

**Former Bennett Trucking Corp. Site
BCP No. C224181**

**845 Grand Street
Brooklyn, New York 11211
Block 2922 Lot 47**

**REMEDIAL INVESTIGATION
REPORT**

October 2014

Prepared for:
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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
BCP	Brownfields Cleanup Program
BCA	Brownfield Site Cleanup Agreement
ESA	Environmental Site Assessment
EBC	Environmental Business Consultants
IRM	Interim Remedial Measure Work Plan
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photo-Ionization Detector
RI	Remedial Investigation
RIWR	Remedial Investigation Work Plan
SVOC	Semi-Volatile Organic Compound
UST	Underground Storage Tank
VOC	Volatile Organic Compound

REPORT CERTIFICATION

I Charles Sosik certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

A handwritten signature in blue ink that reads "Charles Sosik". The signature is written in a cursive style with a blue ink color.

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

Date: October 22, 2014

1.0 INTRODUCTION

1.1 Project Background

This Remedial Investigation Report (RIR) was prepared on behalf of 845 Grand Development LLC for the property located at 845 Grand Street in Brooklyn, New York. In July 2013, 845 Development LLC filed an application with the New York State Department of Environmental Conservation (NYSDEC), to admit the Project Site into the New York State Brownfield Cleanup Program (BCP). The application was deemed complete by the NYSDEC on August 30, 2013. On November 18, 2013, the NYSDEC informed 845 Development LLC that the project had been accepted into the BCP with 845 Development LLC classified as a "Volunteer". The Brownfield Cleanup Agreement was executed by NYSDEC on January 31, 2014 (Site No. C224181).

The purpose of the Remedial Investigation (RI) is to collect data of sufficient quality and quantity to characterize the nature and extent of petroleum contamination in on-Site soil, groundwater and soil gas, to complete a qualitative exposure assessment for future occupants of the buildings and the surrounding community and to evaluate alternatives to remediate the contamination.

The overall objectives of the project are to prepare the Site for residential use as defined in the Brownfield Cleanup Agreement and to remediate known and unknown environmental conditions at the Site to the satisfaction of the NYSDEC and the New York State Department of Health (NYSDOH).

The initial field work portion of the RI was conducted on June 7, 2013, and the supplemental field work portion of the RI conducted in accordance with the protocols and methods as established in the approved Remedial Investigation Work Plan (EBC July 2013) was performed between March 18, 2014 and March 28, 2014.

1.2 Site Location and Description

The address for the Site is 845 Grand Street, Brooklyn, New York 11211 (**Figure 1**). The subject property is located in the City of New York and Borough of Brooklyn (Kings County). The Site is listed as Block 2922, Lot 47 by the City of New York. The lot is located on the north side of Grand Street between Olive Street and Bushwick Avenue. Lot 47 consists of 84.31 feet of street frontage on Grand Street and is 100 feet deep for a total of 8,430 square feet (0.19 acres). The lot is currently vacant, the former one-story commercial building (previously operating as a Laundromat, with an 800 square foot basement containing utilities/meter room) occupying the rear of the lot was recently demolished (see **Figure 2**).

The elevation of the Site is approximately 39 feet above the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes to the east. The depth to groundwater beneath the Site, as determined from field measurements, is approximately 31 feet below grade. Based on regional and local groundwater contour maps, groundwater flow is to the southwest toward Wallabout Channel approximately 1.6 miles from the Site.

The surrounding land use includes multi-use residential with first floor retail use to the east, a parking lot to the west, a public High School to the south and residential properties to the north. In general the area along Grand Street corridor was historically characterized by small 1-3 story buildings with ground floor commercial and residential apartments on the upper floors when present. Commercial tenants mainly included repair shops, equipment and material storage and warehouse use. An auto repair shop / former service station is present on the northwest corner of Grand Street and Waterbury Street, three properties to the east of the Site. A manufacturing / industrial area is located approximately 400 feet to the east.

1.3 Redevelopment Plans

Redevelopment plans for the site include a new 6-story residential building. The building will include a full 10 foot cellar with a lower rear yard. The cellar will be utilized for bicycle parking, meter rooms, storage, recreation and utilities. The first through sixth floors will be utilized for residential space. Excavation for the cellar will require removal of soil to approximately 11 feet below grade for 70% of the Site with the rear yard excavated to approximately 8 feet below and includes a 10 foot wide section on the northern property line that will be sloped upwards to grade.

1.4 Summary of Previous Investigations

Environmental investigations performed at the Site include the following:

- Phase I Environmental Site Assessment, 845 Grand Street, Brooklyn, NY. Environmental Business Consultants, February 13, 2013.
- Phase II Subsurface Investigation, 845 Grand Street, Brooklyn, NY. EBC, Environmental Business Consultants, June 7, 2013.

1.4.1 Phase I Environmental Site Assessment (EBC, 2/13/13)

A Phase I Environmental Site Assessment (ESA) report was prepared by Environmental Business Consultants (EBC) in February of 2013.

According to a review of NYC records, City Directory Listings and Sanborn maps, as well as personal interviews, the Site was an undeveloped portion of a larger residential property from at least 1888 through 1907. By 1928, the Site was developed with a garage, later occupied by a motor freight company. By 1977, the building was occupied by a warehouse and non-specific commercial uses, with tenants including a sanitation company and a coffee distributor. Circa 2009, the building was converted to its most recent use as a Laundromat, dry cleaning drop off facility, and a Laundry equipment parts / repair store. The conversion included removal of the front 10 feet of the building to allow for on-site parking.

Based upon reconnaissance of the subject and surrounding properties, interviews and review of historical records and regulatory agency databases, the following recognized environmental conditions were noted for the subject site:

- Various historical records/documents indicated that the Site was utilized for various commercial purposes, including a garage and a motor freight depot with at least one gasoline tank noted on Sanborn maps for the years 1933 through 1967. As such, there is a potential for historic Site operations and/or spills/releases from the tank to have impacted the subsurface.

In addition, the Phase I noted that “the subject site has been assigned an E-designation (E-232) for Window Wall Attenuation and Alternate Ventilation (Noise-E) and Hazardous Materials Phase I and Phase II Testing Protocol (Hazmat-E) as part of the rezoning enacted in December of 2009 for the Brooklyn neighborhoods Greenpoint and Williamsburg (CEQR No. 09DCP056K).”

The Noise E requires that any new building constructed on the property include a window wall system which will achieve a minimum of 35 dBA of window/wall attenuation for all new dwelling units. 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 Hazmat E required a detailed environmental review and release by the NYC Office of Environmental Remediation. Such reviews 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. EBC recommended performing a Phase II Subsurface Investigation Report in order to satisfy The E-designation Environmental Review Program administered by the Office of Environmental Remediation.

1.4.2 Phase II Subsurface Investigation, (June, 2013/October 2013)

A total of 2 soil borings (B1 and B2) were performed on June 7, 2013 to assess the presence/extent of soil contamination adjacent to the former underground stage tank as identified on Sanborn maps during the Phase I Assessment. Drilling services were provided by Eastern Environmental Services (Eastern) of Manorville, NY. At each soil boring location, soil samples were collected continuously in 5-foot intervals using a Geoprobe™ model 6620DT, probe drilling machine. The Geoprobe™ system uses a direct push hydraulic percussion system to drive and retrieve core samplers. Soil samples were retrieved using a 1.5-inch diameter, 5-foot long macro-core sampler with disposable acetate liners.

Each soil sample recovered from the soil borings was characterized by an experienced qualified environmental professional (QEP) and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). The QEP's field observations and PID readings were recorded for each boring in a soil boring log (see **Appendix A**). The location of both the due diligence limited subsurface investigation soil borings and the supplemental remedial investigation soil borings are shown on **Figure 3**.

For each of the two soil borings, soil samples were collected continuously from grade to a final depth of 15 feet below existing grade. Collected soil samples were characterized by a qualified field scientist and field screened for the presence of volatile organic compounds (VOCs) using a photo-ionization detector (PID). One soil sample, the sample exhibiting the highest PID reading, was retained from each boring location at depths ranging from 10 to 15 feet below grade. PID readings

ranged from non-detect to 10 parts per million.

Each of the soil samples were collected in laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Environmental Laboratories (Phoenix) of Manchester, CT, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All retained soil samples were analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270.

The results of the investigation identified elevated levels of petroleum related volatile organic compounds, 1,2,4-trimethylbenzene, ethylbenzene, and xylenes at the B2 location as well as xylenes in B1. Total volatile organic compound concentrations ranged from 4,723 $\mu\text{g}/\text{Kg}$ in the sample obtained from B1 to 23,200 $\mu\text{g}/\text{Kg}$ in B2. As a result of this investigation, New York State Department of Environmental Conservation spill number 1303007 was assigned to the Site.

In order to assess groundwater quality in the area of the former underground storage tank, one temporary groundwater monitoring well, GW1, was installed on the southern portion of the property within the 1-story building, located north of boring B2, on October 14, 2013. Drilling services were provided by Eastern. The well was installed using a track-mounted Geoprobe™ model 6620DT. The well was installed to a depth of 43 feet below grade with 10 feet of 0.010 PVC well screen and 33 feet of PVC riser. A No. 00 morie filter sand was placed in the borehole on top of the filter sand, the remainder of the borehole was backfilled to grade. The well construction log is provided in **Appendix B**. One groundwater sample was retained directly into pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs via EPA Method 8260 and SVOCs by EPA Method 8270.

Results of this groundwater sample identified elevated levels of petroleum related volatile organic compounds, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Ethylbenzene, m&p-xylenes, naphthalene, n-Propylbenzene, o-Xylene, and Toluene.

2.0 REMEDIAL INVESTIGATION

2.1 Field Investigation

The portion of the RI conducted by EBC following acceptance into the NYSDEC BCP and in accordance with the approved RIWP was completed between March 18, 2014 and March 26, 2014. The initial RI mobilization began on March 18, 2014, with a second day (March 24, 2014) of drilling to complete soil sampling, installation of monitoring wells and soil gas probes. EBC returned to the Site on March 25th and 26th, 2014, to complete the soil gas and groundwater sampling activities. The field investigation consisted of the environmental sampling, field observations and measurements to determine:

- Local geologic/hydrogeologic conditions
- Definition of source areas
- Potential migration of contaminants from the site to surrounding areas
- Overall characterization of site-related contamination in all media

The field effort included the collection and analysis of soil, groundwater and soil gas samples. Drilling services were provided by Eastern Environmental Services (Eastern) of Manorville, NY. Laboratory services were provided by Phoenix Environmental Laboratories of Manchester, CT (NYSDOH 11301). A sample matrix showing the number, type and analysis of samples collected during the Remedial Investigation is provided as **Table 1**.

2.2 Deviations from the Remedial Investigation Work Plan

Five monitoring wells were proposed within the Remedial Investigation Work Plan, but only three of the five proposed monitoring wells were installed due to repeated refusal at the MW2 and MW4 locations.

The Remedial Investigation Work Plan proposed the collection of two soil samples from each of the delineation borings (SB6 through SB9) from 12-14ft and the groundwater interface. However, due to repeated refusals at depths varying from 21ft to 27ftbg, only one soil sample (12-14ft) was collected from each boring. The groundwater table is approximately 30 ft below grade.

2.3 Soil Sampling

A total of 9 soil borings (SB1 through SB9) were advanced as part of the Remedial Investigation Work Plan in March 2014 to identify source areas and to obtain general soil quality information at the site. Drilling services were provided by Eastern.

All soil samples were collected from each soil boring continuously in 5-foot intervals using a Geoprobe™ model 6620DT, probe drilling machine. The Geoprobe™ system uses a direct push hydraulic percussion system to drive and retrieve core samplers. Soil samples were retrieved using a 1.5-inch diameter, 5-foot long macro-core sampler with disposable acetate liners.

Each soil sample recovered from the soil borings was characterized by an experienced QEP and field screened for the presence of VOCs using a PID. The QEP's field observations and PID readings were recorded for each boring in a soil boring log (see **Appendix A**). The location of both the due

diligence limited subsurface investigation soil borings and the supplemental remedial investigation soil borings are shown on **Figure 3**.

Soil was collected continuously from grade to a depth of 15 feet below grade at borings locations SB1 through SB5. Borings SB6 through SB9 were completed to refusal depth, which ranged from 21 feet to 27 feet below grade. Soil recovered from the borings was field screened for the presence of VOCs with a PID and visually inspected for evidence of contamination. PID readings ranged from non-detect to 2,040 parts per million in the 25-27ft sample obtained from boring SB6.

One soil sample representing the interval 1214 feet below grade was obtained from each of the 9 soil borings. Based upon visual observations and PID readings, additional samples were collected from delineation borings SB6, SB7 and SB9. Two additional soil samples were collected from SB6 and SB9 from the 25-26ft and 26-27ft intervals and the 15ft and 25ft intervals, respectively. One additional soil sample was collected from SB7 at a depth of 19-21ft.

Each of the soil samples retained were submitted for laboratory analysis of VOCs by EPA Method 8260 and SVOCs-BN by EPA Method 8270, TAL Metals, pesticides and PCBs by EPA Method 8081/8082. Each of the soil samples were collected in laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix.

2.4 Groundwater Sampling

In accordance with the RIWP, three groundwater monitoring wells (MW1, MW3 and MW5) were installed between March 19, 2014 and March 24, 2014 using a track-mounted Geoprobe™, to evaluate groundwater quality across the Site. As a result of the method and means of well installation, no soil logging / screening was conducted as no soil is generated during the installation process. Each well was installed at a depth of 40 feet below grade with 15 feet of 0.010 PVC well screen and 25 feet of PVC riser.

At each monitoring well location, a No.00 morie filter sand was placed in the borehole to within 2 feet above the top of the screen. A 1-foot hydrated bentonite seal was then placed on top of the filter sand and the remainder of the borehole was backfilled to grade. Well construction logs are provided in **Appendix B**. Following installation, each of the monitoring wells was surveyed to determine relative casing elevation to the nearest 0.01 ft and horizontal position to the nearest 0.1 ft (**Table 2**).

Prior to sampling, a synoptic round of depth-to-groundwater (DTW) measurements was obtained from the monitoring wells on March 25, 2014, to determine the water table elevation and to calculate the volume of standing water in the well. Each well was surveyed to determine relative casing elevation (non-reference) to the nearest 0.01ft and horizontal position to the nearest 0.1ft. The depth to groundwater ranged from approximately 30.06 to 31.41 feet below surface grade. Monitoring well locations are shown on **Figure 4**. A groundwater elevation map is provided in **Figure 5**.

Groundwater samples were obtained from the three water table wells on March 25 and 26, 2014. Groundwater samples were collected in accordance with the procedures outlined in Section 2.4 of the approved RIWP. A stainless steel check valve was used to purge and collect samples from each well location. Sample tubing was replaced between each sample location. Samples were collected directly into pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to

Phoenix Environmental Laboratories of Manchester, CT, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All purging and sampling data was recorded on dedicated well sampling forms (**Appendix C**).

The three groundwater samples and one duplicate groundwater sample (collected from MW1) collected from the monitoring wells were analyzed for VOCs / SVOCs by EPA method 8260 / 8270, target analyte list (TAL) metals (total, dissolved) and pesticides/PCBs by Method 8081/8082.

2.5 Soil Gas Sampling

To assess the presence of VOCs in soil vapor beneath the site, six soil vapor samples (SG1-SG6) were collected at the site. Soil vapor sampling locations are shown on **Figure 6**. All soil vapor samples were collected over a 2 hr sampling period.

Soil vapor samples were collected in accordance with the procedures as described in section 2.4 of the approved RIWP and the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 10/06)*.

2.5.1 Installation of Soil Gas Probes

Six soil vapor implants were installed on March 25 and 26, 2014, using Geoprobe™ equipment. All of the implants were installed utilizing the same technique to minimize possible discrepancies. The vapor implants (Geoprobe™ Model AT86 series), were constructed of a 6-inch length of double woven stainless steel wire. The vapor implants at all locations were installed to a depth of 12 feet below the building slab and attached to ¼ inch polyethylene tubing which extended approximately 24 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. The tubing and borehole were then sealed at the surface with hydrated granular bentonite and a 12" x 12" (approx.) plastic sheet.

2.5.2 Surface Seal Test Procedure

In accordance with NYSDOH guidance, 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. This was accomplished 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).

The tracer gas test procedure was employed at all six soil vapor sampling locations. All seals tested tight with no infiltration of helium through the surface.

2.5.3 Soil Vapor Sample Collection

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) were purged with a handheld vacuum pump prior to collecting the samples to ensure samples collected were representative. After purging, a 6-liter summa canister, fitted with a 2-hour flow regulator was attached to the surface tube of each of the sampling points and the valve opened to initiate sampling. 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 (**Appendix D**).

When the remaining vacuum in the canisters was between 5 and 8 inches Hg, (approximately 2 hrs) the valve was closed and the canisters were detached from the sampling tube.

Sample canisters were returned to the EBC office and picked up the following day by a Phoenix laboratory courier and delivered to the laboratory for analysis of VOCs by EPA Method TO-15.

2.6 Laboratory Analysis

Data tables summarizing the laboratory results of both the 2013 due diligence limited subsurface investigation and 2014 supplemental remedial investigation are provided in **Tables 3** through **12** and copies of the laboratory reports (with chains-of-custody) are included in digital format in **Appendix E**. Soil sample results were compared to both Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs) as promulgated in 6 NYCRR Subpart 375-6. Groundwater results were compared to NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (GQS), June 1998. Soil gas analytical results were compared to Outdoor Background Levels for Selected Compounds and sub-slab and indoor air guidance levels as presented in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, 2002). **Table 13** contains a list of parameters detected above Track 1 Unrestricted Use SCOs and the range in detections. **Table 14** contains a list of parameters detected above GQS and the range in detections.

2.6.1 Analytical Results – Soil Samples

A total of 16 soil samples were collected from 9 soil borings for laboratory analysis of VOCs (EPA Method 8260), SVOCs (EPA Method 8270), pesticides and PCBs by EPA Method 8081/8082, and TAL Metals. All results above Unrestricted Use SCOs are posted on **Figure 7**.

As shown in **Tables 3**, VOCs were detected at concentrations above Unrestricted Use SCOs in the following samples:

B1 (10-13ft) – m&p-Xylenes (590 µg/kg)

B2(13-15ft) – 1,2,4-Trimethylbenzene (5,500 µg/kg), ethylbenzene (1,300 µg/kg), o-Xylene (1,900 µg/kg)

SB6 (25-26ft) – Benzene (100 µg/kg), ethylbenzene (3,300 µg/kg), m&p-Xylenes (6,900 µg/kg), o-Xylene (560 µg/kg)

SB6 (26-27ft) – 1,3,5-Trimethylbenzene (24,000 µg/kg), benzene (430 µg/kg), ethylbenzene (53,000 µg/kg), methylene chloride (610 µg/kg), naphthalene (12,000 µg/kg), n-Propylbenzene (15,000 µg/kg), m&p-Xylenes (53,000 µg/kg), o-Xylene (12,000 µg/kg)

SB9 (15ft) – 1,3,5-Trimethylbenzene (14,000 µg/kg), benzene (1,400 µg/kg), ethylbenzene (26,000 µg/kg), m&p-Xylenes (84,000 µg/kg), o-Xylene (31,000 µg/kg), toluene (36,000 µg/kg)

VOCs were detected at concentrations above Restricted Residential SCOs in the following samples:

SB6 (25-26ft) – 1,2,4-Trimethylbenzene (19,000 µg/kg)

SB6 (26-27ft) – 1,2,4-Trimethylbenzene (56,000 µg/kg)

SB9 (15ft) – 1,2,4-Trimethylbenzene (48,000 µg/kg)

As shown in **Tables 4**, no SVOCs were detected at concentrations above Unrestricted Use SCOs in any of the 16 samples.

As shown in **Table 5** no pesticides or PCBS were detected in any of the soil samples collected at the Site.

As shown in **Table 6**, one metal, Manganese, was detected at a concentration above Restricted Residential Use SCOS in SB6 (26-27ft) at a concentration of 2,860 mg/kg.

2.6.2 Analytical Results – Groundwater Samples

Analytical results for VOCs, as summarized in **Table 7**, identified several petroleum related compounds above GQS in three of the four groundwater samples obtained from the Site. Total VOC concentrations ranged from 125 µg/L to 6,046 µg/L. No chlorinated VOCs were detected above GQS in any of the four groundwater samples. VOCs detected above GQS are posted on **Figure 8**.

As summarized in **Table 8**, the SVOCs Benzo(a)anthracene, naphthalene and chrysene were detected at concentrations above GQS in one or more of the monitoring wells sampled. Benzo(a)anthracene ranged from (0.03 to 0.06 µg/L), chrysene ranged from 0.02 µg/L to 0.05 µg/L, and naphthalene ranged from 85 µg/L to 220 µg/L. SVOCs detected above GQS are posted on **Figure 8**.

As shown in **Table 9**, there were no reported detections of pesticides or PCBs above GQS. The groundwater sample collected as part of the due diligence limited subsurface investigation was not submitted for laboratory analysis of pesticides or PCBs.

As shown in **Table 10**, the total concentration (unfiltered) of the metals iron, magnesium, manganese, and sodium were detected above GQS in all three groundwater samples collected from monitoring wells installed as part of the remedial investigation. The groundwater sample collected as part of the due diligence limited subsurface investigation was not submitted for laboratory analysis of metals.

As shown in **Table 11**, the dissolved concentration of the metals iron, magnesium, manganese, and sodium were detected above GQS in all three groundwater samples collected from monitoring wells installed as part of the remedial investigation. The concentrations of dissolved metals detected above GQS are posted on **Figure 8**. These parameters are associated with background water quality throughout most of northern Brooklyn and are also associated with brackish water conditions. The groundwater sample collected as part of the due diligence limited subsurface investigation was not submitted for laboratory analysis of metals.

2.6.3 Analytical Results – Soil Gas Samples

Since the NYSDOH has not established guidance values for VOCs in soil gas, analytical results were compared to the Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values, 2003) and to sub-slab guidance levels for select parameters as presented in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October

2006.

Multiple VOCs were detected above the laboratory method detection limit in each of the six soil vapor samples collected as part of the remedial investigation (**Table 12**). BTEX concentrations (benzene, toluene, ethylbenzene, and xylenes) were generally moderate across the Site ranging in concentration from 4.65 $\mu\text{g}/\text{m}^3$ to 1,243.8 $\mu\text{g}/\text{m}^3$ in SG6.

Chlorinated VOCs (CVOCs) were reported in all soil gas samples at concentrations below NYSDOH Guidance Values, with the exception of trichloroethene (TCE) which was detected at a concentration of 14.8 $\mu\text{g}/\text{m}^3$ in sample SG4, located in the center of the Site.

Soil gas results are summarized in **Table 12** and posted on **Figure 9**.

2.6.4 Data Usability Summary Report

Data validation services have been requested from Alpha Geoscience of Clifton Park, New York, and will be submitted to the NYSDEC upon receipt.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

3.1 Site Topography

The topography of the Site and surrounding area was reviewed from the USGS 7.5 minute series topographic map for the Queens Quadrangle. The elevation of the property is approximately 39 feet above mean sea level.

3.2 Surrounding Land Use

The surrounding land use includes multi-use residential with first floor retail use to the east, a parking lot to the west a public High School to the south and residential properties to the north. In general the area along the Grand Street corridor was historically characterized by small 1-3 story buildings with ground floor commercial and residential apartments on the upper floors when present. Commercial tenants mainly included repair shops, equipment and material storage and warehouse use. An auto repair shop / former service station is present on the northwest corner of Grand Street and Waterbury Street, three properties to the east of the Site. A manufacturing / industrial area is located approximately 400 feet to the east.

3.3 Regional Geology / Hydrogeology

The geologic setting of Long Island is well documented and consists of crystalline bedrock overlain by layers of unconsolidated deposits. According to geologic maps of the area created by the United States Geologic Survey (USGS), the bedrock in this area of Brooklyn is an igneous intrusive classified as the Ravenswood grano-diorite of middle Ordovician to middle Cambrian age. Unconsolidated sediments overlie the bedrock and consist of Pleistocene aged sand, gravel and silty clays, deposited by glacial-fluvial activity. Non-native fill materials consisting of dredge spoils, rubble and / or other materials have historically been used to reinforce and extend shoreline areas and to raise and improve the drainage of low lying areas.

3.4 Site Geology / Hydrogeology

Subsurface soil at the Site consists of a sporadic layer of historic fill consisting of non-native fill with bricks, concrete and other rubble at depths as great as 6 feet below grade, followed by native brown silty-sand to the water table (approximately 30 feet below grade).

Groundwater at the Site is present at a depth of approximately 30 feet below surface grade within the silty sand. Depth to water measurements were taken on March 25 and 26, 2014 and well casings were surveyed on March 26, 2014 (see **Table 2**). The well casing elevation and depth to water measurements were used to create a groundwater elevation map (**Figure 5**). As shown in the figure, groundwater flow is generally from the northeast to the southwest.

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Identification of Source Areas

The due diligence limited subsurface investigation and supplemental remedial investigation identified petroleum related VOCs at concentrations (total VOCs max. 16,300 ppb) above Unrestricted Use SCOs in soil samples obtained from borings B1 and B2 (10 to 15 ftbg) in the area of the historic UST identified on Sanborn maps. Petroleum related VOCs were detected at concentrations ranging from 46,085 ppb to 263,120 ppb in delineation borings SB6 and SB9 performed during the supplemental remedial investigation, at depths ranging from 15 to 27 ftbg.

4.2 Groundwater Impacts

Petroleum related VOCs were detected in the groundwater sample collected during the due diligence limited subsurface investigation, and two of the three groundwater samples collected during the supplemental remedial investigation at a concentration above GQS. The chlorinated VOCs cis-1,2-dichloroethene and trichloroethene were also reported in one or more of the groundwater sampling locations, but all at a concentration below GQS.

The concentrations of petroleum related VOCs within groundwater were highest at the most upgradient well location, MW5, as well as immediately downgradient of the source area, GW1.

No CVOC impacts were detected in groundwater above GQS. The SVOCs Benzo(a)anthracene and chrysene were detected in part per trillion concentrations within all three monitoring wells sampled during the supplemental remedial investigation, and are likely attributable to background conditions. The SVOC naphthalene was detected above GWS immediately downgradient of the source area (GW-1) during the due diligence investigation as well as in the most upgradient well (MW-5) during the supplemental remedial investigation.

4.3 Soil-Gas Impacts

Multiple VOCs were detected above the laboratory method detection limit in each of the six soil gas samples collected in March of 2014 as part of the supplemental remedial investigation. BTEX concentrations were generally low across the Site ranging in concentration from 4.65 $\mu\text{g}/\text{m}^3$ to 1,243.8 $\mu\text{g}/\text{m}^3$ in SG6. The highest concentrations of BTEX compounds were detected in the southeast corner of the property. There is no correlation between the identified source area and petroleum VOCs in soil gas as some of the lowest concentrations reported were in SG4 located adjacent to the source area.

Chlorinated VOCs (CVOCs) were reported in all soil gas samples at concentration below NYSDOH Guidance Values, with the exception of trichloroethene (TCE) which was detected at a concentration of 14.8 $\mu\text{g}/\text{m}^3$ in sample SG4, located in the south central area of the Site.

4.4 Site Conceptual Model

VOC contamination in soil consists of petroleum (gasoline) related contaminants on the southern

portion of the property, within the parking area of the former commercial building and in the vicinity of a former UST. Soil impacts in this area extend from approximately 13 feet below grade to the water table at approximately 30 ftbg.

At this time, the release scenario is unknown but could have occurred at any time from the UST or from surface spills during the motor freight depot occupancy in the 1950's through 1960's. Since the petroleum VOCs were reported at depths ranging from 13-27 ft in the vicinity of the UST, the contamination is likely associated with a release at the UST. The volume of the spill at this location was sufficient to allow vertical migration through a 15 foot soil column to the water table at a depth of 30 feet below grade creating a lens of residually impacted soil. This zone of impacted soil acted as a source of contamination to the groundwater which migrated in the direction of groundwater flow.

The direction of groundwater flow, as measured at the Site during the RI and at a second property located at 871 Grand Street, is to the southwest. This flow direction would not account for groundwater impacts identified in MW5 which is located in the northeast corner of the property. Using the current groundwater flow direction, MW5 is positioned "upgradient" of the source area. Since it is likely that the release occurred many years ago it is possible that the flow direction was originally to the northeast and then at some point reversed direction to the southwest. The English Kills waterway is located approximately 2,000 feet to the east of the Site and flows north. The L-train line of the New York City subway system runs just east of the Site along Bushwick Avenue. This line has a subway stop at the intersection of Grand Street and Bushwick Avenue southeast of the Site. It is therefore possible that groundwater flow in the 50's and 60's was northeast toward the English Kills. If dewatering operations were initiated at the L-train subway stop at some point this could be responsible for a local groundwater reversal. It is also possible that the petroleum impact at well 5 is related to an off-site upgradient source, however, no such potential source has been identified.

No significant off-gassing is occurring on site from the source area as is evident by the perimeter and interior soil vapor sampling results.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment under the BCP is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur. An exposure pathway has five elements; a contaminant source, release and transport mechanisms, point of exposure, route of exposure and a receptor population.

The potential exposure pathways identified below, represent both current and future exposure scenarios.

5.1 Contaminant Source

The source of petroleum contamination in soil appears to be limited to the southern end of the Lot, in the area of the former UST area. The volume of the spill in this location was sufficient to allow vertical migration through a 15 foot soil column to the water table at a depth of 30 feet below grade creating a lens of residually impacted soil. This zone of impacted soil acted as a source of contamination to the groundwater which migrated in the direction of groundwater flow. The extent of VOC contamination above Unrestricted/Restricted Use SCOs appears to be limited to an approximate 460 ft² area in the southern end of property to depths as great as 27-30 ftbg. VOCs were not detected above Unrestricted Use SCOs in soil at any other location onsite.

With the exception of manganese in a single interval from boring SB6, there were no other parameters reported above Unrestricted Use SCOs.

5.2 Contaminant Release and Transport Mechanism

Petroleum contamination is present in soil within the former UST. Impacted groundwater is present and migrating southwest of the source area. No significant off-gassing is occurring on site from the source area(s) as is evident by the perimeter and interior soil vapor sampling results. This is likely due to the age of the release.

5.3 Point of Exposure, Route of Exposure and Potentially Exposed Populations

Potential On-Site Exposures: Remediation workers and construction workers engaged in the excavation of impacted and non-impacted soil at the Site may be exposed to SVOCs, VOCs, and heavy metals through several routes. Workers excavating impacted soil may be exposed to VOCs, SVOCs, and heavy metals through inhalation, ingestion and dermal contact. Workers excavating non-impacted soil may be exposed to VOCs in soil gas through inhalation. A site specific Health and Safety Plan has been developed to identify and minimize the potential hazards to on-site workers.

There is minimal potential for vapor exposure to residents of the new building under a future scenario. However, this potential route of exposure will be further reduced in response to source area remediation.

Potential Off-Site Exposures: The entire area is serviced by the New York City Water System which distributes water from the Croton Reservoir system. Since there are no public or private potable supply wells in the area, exposure from contact with tap water is not a concern. Off-site exposure is therefore limited to vapor intrusion from impacted on-site soil or from groundwater migrating beneath the Site. The potentially exposed population in this case would include residents and commercial workers in adjacent buildings. Based on soil vapor testing both onsite and at the perimeter of the site, there are no significant vapor exposure conditions onsite and no significant vapor migration concerns off-site.

Potential Off-Site Environmental Impacts: Since impacted groundwater may be migrating beneath the Site at low concentrations in a southwesterly direction, the groundwater to surface water discharge pathway was evaluated. The Wallabout Channel / East River is located approximately 1.5 miles west-southwest of the Site. Based on the concentrations of contaminants currently in groundwater beneath the Site and the distance and position of the Site relative to the River, there are no expected impacts to surface water environments from contaminants migrating beneath the Site

6.0 CONCLUSIONS AND RECOMENDATIONS

Subsurface soil at the Site consists of a native brown silty-sand present immediately below the fill material to the water interface (approximately 30 feet below grade). A silty non-native fill with bricks, wood, concrete and other rubble was reported to a depth of approximately 6 feet below grade in one of the borings. Groundwater at the Site is present at a depth of approximately 30 feet below surface grade within the silty sand and generally flows from the northeast to the southwest.

The results of the RI identified petroleum related VOCs at concentrations above Unrestricted Use SCOs in soil samples obtained from borings within the area of the historic UST identified on Sanborn maps. The area of impacted soil is approximately 460 sf and extends from 13 ft below grade to the water table at approximately 30 ft below grade.

This zone of impacted soil acted as a source of contamination to the groundwater which migrated in the direction of groundwater flow. Petroleum related VOCs were detected in the groundwater sample collected during the due diligence limited subsurface investigation, and two of the three groundwater samples collected during the supplemental remedial investigation at concentrations above GQS.

The concentrations of petroleum related VOCs within groundwater were highest at the most upgradient well location, MW5, as well as immediately downgradient of the source area, GW1.

No CVOC impacts were detected in groundwater above GQS. The SVOCs Benzo(a)anthracene and chrysene were detected in part per trillion concentrations within all three monitoring wells sampled during the supplemental remedial investigation, and are likely attributable to background conditions. The SVOC naphthalene was detected above GWS immediately downgradient of the source area (GW-1) during the due diligence investigation as well as in the most upgradient well (MW-5) during the supplemental remedial investigation.

The qualitative exposure assessment identified potential completed routes of exposure to VOCs, SVOCs and heavy metals to construction workers and remediation workers through inhalation, ingestion and dermal contact during excavation activities.

Based on the low levels of petroleum VOCs in soil vapor, there is a minimal potential for exposure to residents, commercial workers and visitors within the proposed buildings under a future development scenario. This potential route of exposure will be further reduced in response to source area remediation.

With the low/moderate levels of VOCs reported in soil, groundwater and soil gas at the Site, there is a low potential for off-site exposure via vapor intrusion as a result of on-site contamination.

Recommendations include the preparation of a Remedial Action Plan and Construction Health and Safety Plan to remediate identified contamination at the Site and to protect remediation workers and construction workers from exposure.

The Remedial Action Plan should include proper characterization and disposal of all soils excavated for construction or remediation, removal of any USTs which may be present, removal / disposal of

any VOC impacted soil encountered, and treatment of residual soil and groundwater contamination. In addition the Remedial Action Plan should include detailed methods and procedures to prevent impacts to workers and the surrounding community during remedial work at the Site.

7.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1, 375-3 and 375-6

Environmental Business Consultants, *Phase I Environmental Site Assessment Report, 845 Grand Street, Brooklyn, NY 11211. February 2013.*

Environmental Business Consultants, *NYS Brownfields Cleanup Program, Program Application and Supplemental Information Package, Former Bennett Trucking Corp Site, 845 Grand Street, Brooklyn, New York, July 2013.*

Environmental Business Consultants, *Remedial Investigation Work Plan - Final, Former Bennett Trucking Corp Site, 845 Grand Street, Brooklyn, New York. March 2014.*

NYSDEC, Division of Environmental Remediation, May 2004, *Draft Brownfield Program Cleanup Guide.*

NYSDEC, Division of Environmental Remediation, December 2002, *DER-10, Technical Guidance for Site Investigation and Remediation.*

NYSDEC, Division of Water, June 1998, Addendum April 2000, *Technical and Administrative Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations.*

NYSDOH, Center for Environmental Health, October 2006, *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.*

TABLES

**TABLE 1
SUMMARY OF
SAMPLING PROGRAM RATIONALE AND ANALYSIS**

Matrix	Location	Number of Samples	Rationale for Sampling	Laboratory Analysis
Subsurface soil (0 to 40 feet bgs)	4 borings on the southern portion of the site adjacent to the former UST location.	9	To supplement previous sampling and delineate VOC affected soil in the southern portion of the Site.	VOCs EPA Method 8260B, SVOCs EPA Method 8270
Subsurface soil (0 to 15 feet bgs)	2 borings in the northern portion of the Site, two borings in the center portion of the Site, and one borings on the southern portion of the Site.	5	To evaluate soil quality of urban fill materials and native soil below excavation depth across the Site.	VOCs EPA Method 8260B, SVOCs EPA Method 8270 BN, pesticide / PCBs EPA Method 8081/8082, TAL metals.
Total (Soils)		14		
Groundwater (water table)	From 3 monitoring wells across the Site.	3	To evaluate groundwater across the Site.	VOCs EPA Method 8260B, SVOCs EPA Method 8270, pesticide / PCBs EPA Method 8081/8082, TAL metals dissolved and total.
Total (Groundwater)		3		
Soil Gas (12 ft below existing slab)	6 soil gas implants to be installed throughout the Site.	6	Evaluate soil gas across the Site.	VOCs EPA Method TO15
Total (Soil Gas)		6		
MS/MSD	Matrix spike and Matrix spike duplicates at the rate 5%	2	To meet requirements of QA / QC program	1 MS/MSD for VOCs EPA Method 8260B and 1 MS/MSD for SVOCs EPA Method 8270 BN, pesticide / PCBs EPA Method 8081/8082, TAL metals.
Trip Blanks	One laboratory prepared trip blank to accompany samples each time they are delivered to the laboratory.	2	To meet requirements of QA / QC program	VOCs EPA Method 8260B
Total (QA / QC Samples)		4		

Table 2
 Former Bennett Trucking Corp
 845 Grand Street
 Brooklyn, NY
 Monitoring Well Specifications and Elevation

Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Casing Reading	Casing Elevation	DTW 3/26/2014	DTP	PT	GW ELV 1/8/2014
MW1	1	40	25-40	5.28	94.72	30.07	-	-	64.65
MW3	1	40	25-40	5.19	94.81	31.41	-	-	63.40
MW5	1	40	25-40	5.18	94.82	30.06			64.76

TABLE 3
845 Grand Street,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		SB1		SB2		SB3		SB4		SB5		SB6			SB7		SB8		SB9			Duplicate									
			6/7/2013 (10-13)		6/7/2013 (13-15)		3/18/2014 (12-14)		3/18/2014 (12-14)		3/18/2014 (12-14)		3/18/2014 (12-14)		3/18/2014 (12-14)		3/18/2014 (12-14)		3/18/2014 (12-14)	3/24/2014 (12-14)	3/24/2014 (19-21)	3/18/2014 (10-12)	3/18/2014 (12-14)	3/18/2014 (15)	3/18/2014 (25)	3/18/2014	3/18/2014									
			µg/Kg	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg						
1,1,1,2-Tetrachloroethane	680	100,000	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1,1-Trichloroethane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1,2,2-Tetrachloroethane			ND	4.2	ND	690	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1,2-Trichloroethane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1-Dichloroethane	270	26,000	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1-Dichloroethane	330	100,000	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,1-Dichloropropene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2,3-Trichlorobenzene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2,3-Trichloropropane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2,4-Trichlorobenzene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2,4-Trimethylbenzene	3,600	52,000	1,400	290	5,500	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	19,000	1100	56,000	3100	<12	12	<7.4	7.4	<9.5	9.5	<12	12	48,000	2900	69	280	18	12
1,2-Dibromo-3-chloropropane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2-Dibromomethane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2-Dichlorobenzene	1,100	100,000	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2-Dichloroethane	20	3,100	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,2-Dichloropropane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,3,5-Trimethylbenzene	8,400	52,000	450	290	1,400	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	6,300	270	24,000	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	14,000	2900	<13	13	3	12
1,3-Dichlorobenzene	2,400	4,900	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,3-Dichloropropane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
1,4-Dichlorobenzene	1,800	13,000	ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
2,2-Dichloropropane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
2-Chlorotoluene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
2-Hexanone (Methyl Butyl Ketone)			ND	21	ND	9,800	<36	36	<32	32	<23	23	<61	61	<53	53	<53	53	<1400	1400	<4700	4700	<61	61	<37	37	<48	48	<61	61	<1500	1500	<64	64	<61	61
2-Isopropyltoluene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	55	270	190	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	110	290	<13	13	<12	12
4-Chlorotoluene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
4-Methyl-2-Pentanone			ND	21	ND	9,800	<36	36	<32	32	<23	23	<61	61	<53	53	<53	53	<1400	1400	<4700	4700	<61	61	<37	37	<48	48	<61	61	<1500	1500	<64	64	<61	61
Acetone	50	100,000	ND	4.2	ND	9,800	10	72	14	64	6.9	46	20	120	17	110	<50	50	<2700	2700	<9400	9400	<50	50	<50	50	18	95	35	120	<2900	2900	<50	50	<50	50
Acrylonitrile			ND	4.2	ND	1,200	<14	14	<13	13	<9.1	9.1	<24	24	<21	21	<21	21	<550	550	<1900	1900	<25	25	<15	15	<19	19	<25	25	<1500	1500	<26	26	<24	24
Benzene	60	4,800	6.9	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	100	270	430	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	1,400	290	<13	13	<12	12
Bromobenzene			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
Bromochloromethane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290	290	<13	13	<12	12
Bromodichloromethane			ND	4.2	ND	1,200	<7.2	7.2	<6.4	6.4	<4.6	4.6	<12	12	<11	11	<11	11	<270	270	<940	940	<12	12	<7.4	7.4	<9.5	9.5	<12	12	<290					

TABLE 5
845 Grand Street,
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6				SB7		SB8		SB9				Duplicate							
			3/18/2014 (12-14) µg/Kg		3/18/2014 (12-14) µg/Kg		3/18/2014 (12-14) µg/Kg		3/18/2014 (12-14) µg/Kg		3/18/2014 (12-14) µg/Kg		3/18/2014 (12-14) µg/Kg		3/24/2014 (12-14) µg/Kg		3/24/2014 (19-21) µg/Kg		3/18/2014 (0-2) µg/Kg		3/18/2014 (12-14) µg/Kg		3/18/2014 (15) µg/Kg		3/18/2014 (25) µg/Kg		3/18/2014 µg/Kg					
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL		
4,4'-DDD	3.3	13,000	<2.2	2.2	<2.2	2.2	<2.1	2.1	<2.3	2.3	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.3	2.3	<2.1	2.1	<2.2	2.2				
4,4'-DDE	3.3	8,900	<2.2	2.2	<2.2	2.2	<2.1	2.1	<2.3	2.3	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.3	2.3	<2.1	2.1	<2.2	2.2				
4,4'-DDT	3.3	7,900	<2.2	2.2	<2.2	2.2	<2.1	2.1	<2.3	2.3	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.3	2.3	<2.1	2.1	<2.2	2.2				
a-BHC	20	480	<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<1.8	1.8	<1.8	1.8	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Alachlor			<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<3.6	3.6	<3.7	3.7	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Aldrin	5	97	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.8	1.8	<1.8	1.8	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.0	1	<1.1	1.1
b-BHC	36	360	<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<1.8	1.8	<1.8	1.8	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Chlordane	94	4,200	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<11	11	<22	22	<22	22	<11	11	<11	11	<11	11	<10	10	<11	11
d-BHC	40	100,000	<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<1.8	1.8	<1.8	1.8	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Dieldrin	5	200	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.8	1.8	<1.8	1.8	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.0	1	<1.1	1.1
Endosulfan I	2,400	24,000	<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<3.6	3.6	<3.7	3.7	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Endosulfan II	2,400	24,000	<7.1	7.1	<6.9	6.9	<6.8	6.8	<7.3	7.3	<7.1	7.1	<7.0	7	<6.9	6.9	<6.9	6.9	<3.6	3.6	<3.7	3.7	<7.0	7	<6.9	6.9	<7.2	7.2	<6.8	6.8	<7.0	7
Endosulfan sulfate	2,400	24,000	<7.1	7.1	<6.9	6.9	<6.8	6.8	<7.3	7.3	<7.1	7.1	<7.0	7	<6.9	6.9	<6.9	6.9	<3.6	3.6	<3.7	3.7	<7.0	7	<6.9	6.9	<7.2	7.2	<6.8	6.8	<7.0	7
Endrin	14	11,000	<7.1	7.1	<6.9	6.9	<6.8	6.8	<7.3	7.3	<7.1	7.1	<7.0	7	<6.9	6.9	<6.9	6.9	<1.8	1.8	<1.8	1.8	<7.0	7	<6.9	6.9	<7.2	7.2	<6.8	6.8	<7.0	7
Endrin aldehyde			<7.1	7.1	<6.9	6.9	<6.8	6.8	<7.3	7.3	<7.1	7.1	<7.0	7	<6.9	6.9	<6.9	6.9	<3.6	3.6	<3.7	3.7	<7.0	7	<6.9	6.9	<7.2	7.2	<6.8	6.8	<7.0	7
Endrin ketone			<7.1	7.1	<6.9	6.9	<6.8	6.8	<7.3	7.3	<7.1	7.1	<7.0	7	<6.9	6.9	<6.9	6.9	<1.8	1.8	<1.8	1.8	<7.0	7	<6.9	6.9	<7.2	7.2	<6.8	6.8	<7.0	7
g-BHC	100	280	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.8	1.8	<1.8	1.8	<1.1	1.1	<1.1	1.1	<1.1	1.1	<1.0	1	<1.1	1.1
g-Chlordane			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<3.6	3.6	<3.7	3.7	-	-	-	-	-	-	-	-	-	
Heptachlor	42	420	<2.2	2.2	<2.2	2.2	<2.1	2.1	<2.3	2.3	<2.2	2.2	<2.2	2.2	<2.2	2.2	<2.2	2.2	<1.8	1.8	<1.8	1.8	<2.2	2.2	<2.2	2.2	<2.3	2.3	<2.1	2.1	<2.2	2.2
Heptachlor epoxide			<3.6	3.6	<3.4	3.4	<3.4	3.4	<3.6	3.6	<3.6	3.6	<3.5	3.5	<3.5	3.5	<3.4	3.4	<1.8	1.8	<1.8	1.8	<3.5	3.5	<3.5	3.5	<3.6	3.6	<3.4	3.4	<3.5	3.5
Methoxychlor			<36	36	<34	34	<34	34	<36	36	<36	36	<35	35	<35	35	<34	34	<7.2	7.2	<7.4	7.4	<35	35	<35	35	<36	36	<34	34	<35	35
Toxaphene			<180	180	<180	180	<180	180	<190	190	<190	190	<180	180	<180	180	<180	180	<180	180	<180	180	<180	180	<180	180	<190	190	<180	180	<180	180
PCB-1016	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1221	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1232	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1242	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1248	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1254	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1260	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1262	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36
PCB-1268	100	1,000	<37	37	<36	36	<36	36	<38	38	<37	37	<37	37	<36	36	<36	36	<36	36	<37	37	<36	36	<36	36	<38	38	<35	35	<36	36

Notes:
* Due to matrix interference from non target compounds in the sample an elevated RL was reported.
** - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
Dash - Not Analyzed
ND - Non-Detect
Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value
Bold/highlighted+ Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 6
845 Grand Street,
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB4		SB5		SB6				SB7				SB8		SB9						Duplicate					
			3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (25-26') mg/Kg		3/18/2014 (26-27') mg/Kg		3/24/2014 (12-14') mg/Kg		3/24/2014 (19-21') mg/Kg		3/18/2014 (0-2') mg/Kg		3/18/2014 (12-14') mg/Kg		3/18/2014 (15') mg/Kg		3/18/2014 (25') mg/Kg		3/18/2014 mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			9,140	33	5,650	33	5,400	36	4,970	40	9,980	39	5,650	34	6,450	33	4,720	33	8,520	38	7,330	33	7,050	36	7,260	39	7,400	34	4,690	35	5,860	38		
Antimony			<1.7	1.7	<1.7	1.7	<1.8	1.8	<2.0	2	<1.9	1.9	<1.7	1.7	<1.7	1.7	<1.7	1.7	<1.9	1.9	<1.7	1.7	<1.8	1.8	<2.0	2	<1.7	1.7	<1.7	1.7	<1.9	1.9		
Arsenic	13	16	2.2	0.7	3.2	0.7	1.8	0.7	1	0.8	1.9	0.8	1.7	0.7	1.4	0.7	<0.7	0.7	1.9	0.8	1.7	0.7	<0.7	0.7	1.7	0.8	1.7	0.7	0.8	0.7	1.1	0.8		
Barium	350	400	28.3	0.7	36.2	0.7	27.3	0.7	29	0.8	52.4	0.8	24.5	0.7	51.3	0.7	60.7	0.7	40.2	0.8	44.9	0.7	41.5	0.7	39.2	0.8	48.5	0.7	33.9	0.7	36.1	0.8		
Beryllium	7.2	72	0.61	0.27	0.44	0.26	0.76	0.29	<0.32	0.32	0.42	0.31	0.39	0.27	0.36	0.26	0.4	0.26	<0.30	0.3	<0.26	0.26	0.59	0.28	0.44	0.31	0.54	0.27	0.31	0.28	0.43	0.31		
Cadmium	2.5	4.3	0.29	0.33	0.56	0.33	0.3	0.36	<0.40	0.4	0.19	0.39	0.33	0.34	<0.33	0.33	1.15	0.33	<0.38	0.38	<0.33	0.33	0.37	0.36	0.23	0.39	0.44	0.34	<0.35	0.35	0.23	0.38		
Calcium			703	3.3	926	3.3	711	3.6	619	4	1,270	3.9	610	3.4	2,810	3.3	1,510	3.3	691	3.8	1,410	3.3	706	3.6	1,110	3.9	1,070	3.4	823	3.5	897	3.8		
Chromium	30	180	21.7	0.33	16.1	0.33	16.2	0.36	15	0.4	29.4	0.39	16.6	0.34	10.5	0.33	10	0.33	19.6	0.38	26.7	0.33	22.9	0.38	19.6	0.39	23.1	0.34	10.5	0.35	18.8	0.38		
Cobalt			7.92	0.33	8.68	0.33	6.79	0.36	0.29	0.4	8.05	0.39	4.61	0.34	3.73	0.33	3.96	0.33	7.14	0.38	8.33	0.33	8.95	0.36	6.93	0.39	9.07	0.34	4.37	0.35	6.68	0.38		
Copper	50	270	16	0.33	12.1	0.33	20.4	0.36	4.91	0.4	18.5	0.39	12.5	0.34	10.6	0.33	11.9	0.33	21.2	0.38	18.9	0.33	27.6	0.36	18.4	0.39	21.6	0.34	11.6	0.35	16.5	0.38		
Iron			28,500	33	38,000	33	23,200	36	11,400	40	24,500	39	23,300	34	11,100	33	71,300	33	28,600	38	22,200	33	28,000	36	21,200	39	33,000	34	10,800	35	18,900	38		
Lead	63	400	6.6	0.7	7.3	0.7	6.8	0.7	4.1	0.8	5.5	0.8	6.1	0.7	4.5	0.7	9.1	0.7	6.2	0.8	6.4	0.7	9.4	0.7	6.4	0.8	7.4	0.7	3.7	0.7	5.6	0.8		
Magnesium			1,790	3.3	1,660	3.3	1,610	3.6	511	4	2,500	3.9	1,510	3.4	1,690	3.3	1,940	3.3	1,940	3.8	2,360	3.3	1,970	3.6	2,040	3.9	2,220	3.4	1,950	3.5	2,230	3.8		
Manganese	1,600	2,000	329	3.3	617	3.3	232	3.6	16.5	0.4	468	3.9	208	3.4	225	3.3	2,860	3.3	452	3.8	524	3.3	603	3.6	292	3.9	968	3.4	236	3.5	451	3.8		
Mercury	0.18	0.81	<0.08	0.08	<0.08	0.08	<0.08	0.08	<0.08	0.08	<0.07	0.07	<0.06	0.06	<0.07	0.07	<0.07	0.07	<0.07	0.07	<0.09	0.09	<0.07	0.07	<0.06	0.06	<0.07	0.07	<0.07	0.07	<0.06	0.06		
Nickel	30	310	15.5	0.33	12.3	0.33	10.7	0.36	2.61	0.4	16.8	0.39	9.33	0.34	21.8	0.33	11.2	0.33	11.7	0.38	14.9	0.33	15.8	0.36	14.2	0.39	16.1	0.34	10.8	0.35	13.9	0.38		
Potassium			1,070	7	1,170	7	1,030	7	463	8	1,210	8	1,220	7	1,060	7	1,040	7	1,380	8	1,330	7	1,380	7	1,340	8	1,400	7	1,060	7	1,300	8		
Selenium	3.9	180	<1.3	1.3	<1.3	1.3	<1.4	1.4	<1.6	1.6	<1.6	1.6	<1.4	1.4	<1.3	1.3	<1.3	1.3	<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5		
Silver	2	180	<0.33	0.33	<0.33	0.33	<0.36	0.36	<0.40	0.4	<0.39	0.39	<0.34	0.34	<0.33	0.33	<0.33	0.33	<0.38	0.38	<0.33	0.33	<0.36	0.36	<0.39	0.39	<0.34	0.34	<0.35	0.35	<0.38	0.38		
Sodium			73	7	87	7	74	7	51	8	133	8	287	7	200	7	125	7	133	8	199	7	170	7	196	8	108	7	129	7	109	8		
Thallium			<1.3	1.3	<1.3	1.3	<1.4	1.4	<1.6	1.6	<1.6	1.6	<1.4	1.4	<1.3	1.3	<1.3	1.3	<1.5	1.5	<1.3	1.3	<1.4	1.4	<1.6	1.6	<1.4	1.4	<1.4	1.4	<1.5	1.5		
Vanadium			42.7	0.3	23.1	0.3	22.8	0.4	18	0.4	29.9	0.4	23.2	0.3	15.4	0.3	20.5	0.3	36.8	0.4	32.6	0.3	37.7	0.4	29.2	0.4	31.6	0.3	15.9	0.3	28.7	0.4		
Zinc	109	10,000	30.9	0.7	23.5	0.7	26.4	0.7	6.8	0.8	26.8	0.8	68.7	0.7	22.5	0.7	17.6	0.7	31.3	0.8	27.6	0.7	36.2	0.7	27.1	0.8	27.8	0.7	19.2	0.7	24	0.8		

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

Table 7
845 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	GW1		MW1		MW3		MW5		Duplicate (MW1)	
		10/14/2013		3/25/2014		3/25/2014		3/25/2014		3/25/2014	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,1,1-Trichloroethane	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
1,1,2,2-Tetrachloroethane	5	ND	10	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,1,2-Trichloroethane	1	ND	20	< 1.0	1	< 1.0	1	< 1	1	< 1.0	1
1,1-Dichloroethane	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
1,1-Dichloroethene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,1-Dichloropropene		ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,2,3-Trichlorobenzene		ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,2,3-Trichloropropane	0.04	ND	20	< 1.0	1	< 1.0	1	< 1	1	< 1.0	1
1,2,4-Trichlorobenzene		ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,2,4-Trimethylbenzene	5	230	20	< 1.0	1	2	1	490	40	< 1.0	1
1,2-Dibromo-3-chloropropane	0.04	ND	20	< 1.0	1	< 1.0	1	< 1	1	< 1.0	1
1,2-Dibromoethane	5	ND	20	< 1.0	1	< 1.0	1	< 1	1	< 1.0	1
1,2-Dichlorobenzene	0.6	ND	20	< 1.0	1	< 1.0	1	< 3	3	< 1.0	1
1,2-Dichloroethane	0.94	13	12	< 0.6	0.6	2.8	2	< 1.0	1	0.63	2
1,2-Dibromopropane		ND	20	< 1.0	1	< 1.0	1	< 1	1	< 1.0	1
1,3,5-Trimethylbenzene	5	54	20	< 1.0	1	3	1	150	5	< 1.0	1
1,3-Dichlorobenzene	5	ND	20	< 3	3	< 3	3	< 3	3	< 3	3
1,3-Dichloropropane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
1,4-Dichlorobenzene	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
2,2-Dichloropropane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
2-Chlorotoluene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
2-Hexanone (Methyl Butyl Ketone)		ND	100	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
2-Isopropyltoluene	5	ND	20	< 1.0	1	0.23	1	1.3	5	< 1.0	1
4-Chlorotoluene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
4-Methyl-2-Pentanone		ND	100	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Acetone		ND	500	120	5	< 5.0	5	< 25	25	52	25
Acrolein		-	-	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Acrylonitrile	5	ND	100	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Benzene	1	290	14	< 0.70	0.7	100	7	< 3.5	3.5	< 0.70	0.7
Bromobenzene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Bromochloromethane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Bromodichloromethane		ND	10	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Bromoform		ND	20	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Bromomethane	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Carbon Disulfide	60	ND	100	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Carbon tetrachloride	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Chlorobenzene	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Chloroethane	5	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Chloroform	7	ND	20	< 5.0	5	< 5.0	5	< 5	5	< 5.0	5
Chloromethane	60	ND	20	< 5.0	5	< 5.0	5	< 5	5	0.22	5
cis-1,2-Dichloroethene	5	ND	20	1.1	1	< 1.0	1	< 5.0	5	2	1
cis-1,3-Dichloropropene		ND	8	< 0.40	0.4	< 0.40	0.4	< 1	1	< 0.40	0.4
Dibromochloromethane		ND	10	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Dibromomethane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Dichlorodifluoromethane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Ethylbenzene	5	260	20	< 1.0	1	3.4	1	1,400	250	< 1.0	1
Hexachlorobutadiene	0.5	ND	8	< 0.5	0.5	< 0.5	0.5	< 1	1	< 0.5	0.5
Isopropylbenzene	5	ND	20	< 1.0	1	0.26	1	51	5	< 1.0	1
m&p-Xylenes	5	740	20	< 1.0	1	9.2	1	1,800	40	< 1.0	1
Methyl Ethyl Ketone (2-Butanone)		ND	100	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Methyl t-butyl ether (MTBE)	10	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	0.67	1
Methylene chloride	5	ND	20	0.32	3	< 3.0	3	< 5	5	< 3.0	3
Naphthalene	10	56	20	< 1.0	1	< 1.0	1	390	40	< 1.0	1
n-Butylbenzene	5	ND	20	< 1.0	1	< 1.0	1	12	5	< 1.0	1
n-Propylbenzene	5	29	20	< 1.0	1	0.47	1	150	5	< 1.0	1
o-Xylene	5	340	20	< 1.0	1	5.5	1	390	40	< 1.0	1
p-Isopropyltoluene		ND	20	< 1.0	1	1	1	3	5	< 1.0	1
sec-Butylbenzene	5	ND	20	< 1.0	1	0.73	1	6.2	5	< 1.0	1
Styrene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
tert-Butylbenzene	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Tetrachloroethene	5	ND	20	2.8	1	1.8	1	2.3	5	3	1
Tetrahydrofuran (THF)		ND	50	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Toluene	5	1,600	100	< 1.0	1	84	10	1,200	250	< 1.0	1
trans-1,2-Dichloroethene	5	ND	20	0.23	5	< 5.0	5	< 5	5	0.48	5
trans-1,3-Dichloropropene	0.4	ND	8	< 0.40	0.4	< 0.40	0.4	< 1	1	< 0.40	0.4
trans-1,4-dichloro-2-butene	5	ND	100	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Trichloroethene	5	ND	20	0.85	1	< 1.0	1	< 5.0	5	1.3	1
Trichlorofluoromethane	5	ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Trichlorotrifluoroethane		ND	20	< 1.0	1	< 1.0	1	< 5.0	5	< 1.0	1
Vinyl Chloride	2	ND	20	< 1.0	1	< 1.0	1	< 2	2	< 1.0	1

Notes:

ND - Not detected

Bold/highlighted - Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
845 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	GW1		MW1		MW3		MW5		Duplicate (MW1)	
		10/14/2013		3/25/2014		3/25/2014		3/25/2014		3/25/2014	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		ND	1.6	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5	< 1.6	1.6
1,2,4-Trichlorobenzene		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
1,2-Dichlorobenzene		ND	10	< 3	3	< 3	3	< 25	25	< 3	3
1,2-Diphenylhydrazine		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
1,3-Dichlorobenzene		ND	10	< 3	3	< 3	3	< 25	25	< 3	3
1,4-Dichlorobenzene		ND	10	< 3	3	< 3	3	< 25	25	< 3	3
2,4,5-Trichlorophenol	3	ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2,4,6-Trichlorophenol	3	ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2,4-Dichlorophenol		ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2,4-Dimethylphenol		ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2,4-Dinitrophenol		ND	100	< 1	1	< 1	1	< 130	130	< 1	1
2,4-Dinitrotoluene	5	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
2,6-Dinitrotoluene	5	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
2-Chloronaphthalene	10	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
2-Chlorophenol		ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2-Methylnaphthalene		19	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
2-Methylphenol (o-cresol)		ND	20	< 1	1	< 1	1	< 25	25	< 1	1
2-Nitroaniline	5	ND	100	< 5	5	< 5	5	< 130	130	< 5	5
2-Nitrophenol		ND	20	< 1	1	< 1	1	< 25	25	< 1	1
3&4-Methylphenol (m&p-cresol)		ND	20	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
3,3'-Dichlorobenzidine	5	ND	100	< 5	5	< 5	5	< 50	50	< 5	5
3-Nitroaniline	5	ND	100	< 5	5	< 5	5	< 130	130	< 5	5
4,6-Dinitro-2-methylphenol		ND	100	< 1	1	< 1	1	< 130	130	< 1	1
4-Bromophenyl phenyl ether		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
4-Chloro-3-methylphenol		ND	40	< 1	1	< 1	1	< 25	25	< 1	1
4-Chloroaniline	5	ND	40	< 5	5	< 5	5	< 50	50	< 5	5
4-Chlorophenyl phenyl ether		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
4-Nitroaniline	5	ND	40	< 5	5	< 5	5	< 130	130	< 5	5
4-Nitrophenol		ND	100	< 1	1	< 1	1	< 130	130	< 1	1
Acenaphthene	20	ND	0.05	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Acenaphthylene		ND	0.05	< 0.10	0.1	< 0.11	0.11	< 0.10	0.1	< 0.11	0.11
Acetophenone		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Aniline		ND	20	< 5	5	< 5	5	< 130	130	< 5	5
Anthracene	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Benzo(a)anthracene	0.002	ND	0.04	0.06	0.02	0.05	0.02	0.04	0.02	0.03	0.02
Benzidine	5	ND	100	< 5	5	< 5	5	< 50	50	< 5	5
Benzo(a)pyrene		ND	0.05	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	ND	0.05	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(g,h,i)perylene		ND	3	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Benzo(k)fluoranthene	0.002	ND	0.05	< 0.02	0.02	< 0.02	0.02	0.02	0.02	< 0.02	0.02
Benzoic Acid		ND	100	< 25	25	< 25	25	< 130	130	< 25	25
Benzyl Butyl phthalate		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Bis(2-chloroethoxy)methane	5	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Bis(2-chloroethyl)ether	1	ND	10	< 1	1	< 1	1	< 25	25	< 1	1
Bis(2-chloroisopropyl)ether		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Bis(2-ethylhexyl)phthalate	5	ND	1.6	< 1.6	1.6	< 1.7	1.7	< 1.6	1.6	< 1.7	1.7
Carbazole		ND	10	< 25	25	< 25	25	< 130	130	< 25	25
Chrysene	0.002	ND	0.05	0.05	0.02	0.04	0.02	0.03	0.02	0.02	0.02
Dibenzo(a,h)anthracene		ND	0.01	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Dibenzofuran		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Diethylphthalate	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Dimethylphthalate	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Di-n-butylphthalate	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Di-n-octylphthalate	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Fluoranthene	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Hexachlorobenzene	0.04	ND	0.06	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Fluorene	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Hexachlorobutadiene	0.5	ND	10	< 0.5	0.5	< 0.5	0.5	< 25	25	< 0.5	0.5
Hexachlorocyclopentadiene	5	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Hexachloroethane	5	ND	2.4	< 2.4	2.4	< 2.5	2.5	< 2.4	2.4	< 2.5	2.5
Indeno(1,2,3-cd)pyrene	0.002	ND	0.05	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Isophorone	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Naphthalene	10	85	10	< 5.0	5	< 5.0	5	220	25	< 5.0	5
Nitrobenzene	0.4	ND	10	< 0.4	0.4	< 0.4	0.4	< 25	25	< 0.4	0.4
N-Nitrosodimethylamine		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
N-Nitrosodi-n-propylamine		ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
N-Nitrosodiphenylamine	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Pentachloronitrobenzene		ND	0.1	< 0.10	0.1	< 0.11	0.11	< 0.10	0.1	< 0.11	0.11
Pentachlorophenol		ND	0.8	< 0.80	0.8	< 0.84	0.84	< 0.80	0.8	< 0.84	0.84
Phenanthrene	50	0.31	0.05	< 0.10	0.1	< 0.11	0.11	0.1	0.1	< 0.11	0.11
Phenol		ND	10	< 1	1	< 1	1	< 25	25	< 1	1
Pyrene	50	ND	10	< 5.0	5	< 5.0	5	< 25	25	< 5.0	5
Pyridine		ND	0.5	< 10	10	< 10	10	< 50	50	< 10	10

Notes:

ND - Not detected

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 9
845 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		MW3		MW5		Duplicate (MW1)	
		3/25/2014		3/25/2014		3/25/2014		3/25/2014	
		Result	RL	Result	RL	Result	RL	Result	RL
PCB-1016	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1221	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1232	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1242	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1248	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1254	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1260	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1262	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
PCB-1268	0.09	< 0.073	0.073	< 0.077	0.077	< 0.073	0.073	< 0.076	0.076
4,4-DDD	0.3	< 0.010	0.01	< 0.013	0.013	< 0.013	0.013	< 0.010	0.01
4,4-DDE	0.2	< 0.010	0.01	< 0.013	0.013	< 0.013	0.013	< 0.010	0.01
4,4-DDT	0.11	< 0.010	0.01	< 0.013	0.013	< 0.013	0.013	< 0.010	0.01
a-BHC	0.94	< 0.005	0.005	< 0.027	0.027	< 0.026	0.026	< 0.005	0.005
a-chlordane		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Alachlor		< 0.076	0.076	< 0.40	0.4	< 0.38	0.38	< 0.079	0.079
Aldrin		< 0.002	0.002	< 0.008	0.008	< 0.008	0.008	< 0.002	0.002
b-BHC	0.04	< 0.005	0.005	< 0.027	0.027	< 0.026	0.026	< 0.005	0.005
Chlordane	0.05	< 0.050	0.05	< 0.081	0.081	< 0.076	0.076	< 0.032	0.032
d-BHC	0.04	< 0.005	0.005	< 0.027	0.027	< 0.026	0.026	< 0.005	0.005
Dieldrin	0.004	< 0.002	0.002	< 0.008	0.008	< 0.008	0.008	< 0.002	0.002
Endosulfan I		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Endosulfan II		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Endosulfan Sulfate		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Endrin		< 0.010	0.01	< 0.027	0.027	< 0.026	0.026	< 0.010	0.01
Endrin aldehyde	5	< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Endrin ketone		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
gamma-BHC	0.05	< 0.005	0.005	< 0.027	0.027	< 0.026	0.026	< 0.005	0.005
g-chlordane		< 0.010	0.01	< 0.054	0.054	< 0.051	0.051	< 0.010	0.01
Heptachlor	0.04	< 0.010	0.01	< 0.027	0.027	< 0.026	0.026	< 0.010	0.01
Heptachlor epoxide	0.03	< 0.010	0.01	< 0.027	0.027	< 0.026	0.026	< 0.010	0.01
Methoxychlor	35	< 0.10	0.1	< 0.54	0.54	< 0.51	0.51	< 0.10	0.1
Toxaphene		< 0.20	0.2	< 1.1	1.1	< 1.0	1	< 0.21	0.21

Notes:

ND - Non-detect

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

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
845 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		MW3		MW5		Duplicate (MW1)	
		3/25/2014		3/25/2014		3/25/2014		3/25/2014	
		mg/L		mg/L		mg/L		mg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	NS	2.32	0.01	1.44	0.01	8.99	0.01	0.22	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	0.005	0.004	0.005	0.004	0.009	0.004	0.004	0.004
Barium	1	0.127	0.010	0.093	0.010	0.077	0.010	0.126	0.010
Beryllium	0.003	< 0.001	0.001	0.002	0.001	0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	122	0.01	154	0.10	33.3	0.01	130.0	0.01
Chromium	0.05	0.008	0.001	0.005	0.001	0.024	0.001	0.001	0.001
Cobalt	NS	0.011	0.005	0.005	0.005	0.009	0.005	0.021	0.005
Copper	0.2	0.012	0.005	0.012	0.005	0.037	0.005	0.003	0.005
Iron	0.5	11	0.010	3.89	0.010	30.2	0.010	1.01	0.010
Lead	0.025	< 0.002	0.002	< 0.002	0.002	0.007	0.002	< 0.002	0.002
Magnesium	35	64.6	0.010	57.5	0.010	10.10	0.010	71.2	0.010
Manganese	0.3	9.5	0.050	2.85	0.050	0.44	0.005	14.00	0.050
Mercury	0.0007	< 0.0002	0.000	< 0.0002	0.000	< 0.0002	0.000	< 0.0002	0.000
Nickel	0.1	0.023	0.004	0.018	0.004	0.018	0.004	0.032	0.004
Potassium	NS	9.0	0.100	11.0	0.100	11.6	0.100	8.6	0.100
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	2	101	1.000	582	10.000	57	1.000	120	1.000
Thallium	0.0005	< 0.0005	0.001	0.002	0.001	< 0.0005	0.001	< 0.0005	0.001
Vanadium	NS	0.004	0.010	0.006	0.010	0.037	0.010	< 0.010	0.010
Zinc	2	0.019	0.010	0.039	0.010	0.051	0.010	0.005	0.010

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 11
845 Grand Street,
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 3/25/2014 mg/L		MW3 3/25/2014 mg/L		MW5 3/25/2014 mg/L		Duplicate (MW1) 3/25/2014 mg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
		Aluminum	NS	3.08	0.01	0.55	0.01	0.60	0.01
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	0.011	0.003	0.005	0.003	0.002	0.003	0.005	0.003
Barium	1	0.122	0.011	0.091	0.011	0.02	0.011	0.127	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	127	0.01	157	0.01	26	0.01	129	0.01
Chromium	0.05	0.006	0.001	< 0.001	0.001	0.001	0.001	< 0.001	0.001
Cobalt	NS	0.012	0.005	0.004	0.005	0.0004	0.005	0.02	0.005
Copper	0.2	0.007	0.005	0.007	0.005	0.005	0.005	0.003	0.005
Iron	0.5	6.09	0.01	0.48	0.01	0.82	0.01	0.08	0.01
Lead	0.025	< 0.002	0.002	< 0.002	0.002	0.002	0.002	< 0.002	0.002
Magnesium	35	67	0.01	58	0.01	8	0.01	70	0.01
Manganese	0.3	10	0.053	3	0.053	0.05	0.005	14	0.053
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.022	0.004	0.015	0.004	0.002	0.004	0.031	0.004
Potassium	NS	10	0.1	12	0.1	11	0.1	9	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	2	109	1.1	607	11	63	1.1	121	1.1
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	0.003	0.01	< 0.01	0.01	0.01	0.01	< 0.01	0.01
Zinc	2	0.014	0.011	0.011	0.011	0.004	0.011	0.006	0.011

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 12
845 Grand Street,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SG-1 (µg/m ³)		SG-2 (µg/m ³)		SG-3 (µg/m ³)		SG-4 (µg/m ³)		SG-5 (µg/m ³)		SG-6 (µg/m ³)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1,1-Trichloroethane	30	<2.0 - 2.8	<1.00	1	<1.00	1	<1.00	1	12.6	1	<1.00	1	<1.00	1
1,1,2,2-Tetrachloroethane		<1.5	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1,2-Trichloroethane		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1-Dichloroethane		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,1-Dichloroethene		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2,4-Trichlorobenzene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2,4-Trimethylbenzene		<1.0	<1.00	1	41.8	1	32.8	1	14.8	1	23	1	11.3	1
1,2-Dibromoethane		<1.5	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichlorobenzene		<2.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichloroethane		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichloropropane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,2-Dichlorotetrafluoroethane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,3,5-Trimethylbenzene		<1.0	<1.00	1	13.3	1	7.71	1	3.88	1	6.24	1	3.29	1
1,3-Butadiene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,3-Dichlorobenzene		<2.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,4-Dichlorobenzene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
1,4-Dioxane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
2-Hexanone			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
4-Ethyltoluene		NA	<1.00	1	15.4	1	10.9	1	3.24	1	8.65	1	6.68	1
4-Isopropyltoluene			<1.00	1	1.1	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
4-Methyl-2-pentanone			<1.00	1	2.37	1	1.8	1	<1.00	1	<1.00	1	<1.00	1
Acetone		NA	9.54	1	36.6	1	47.2	1	58.2	1	203	1	382	1
Acrylonitrile			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Benzene		<1.6 - 4.7	1.02	1	7.69	1	23.3	1	8.59	1	24.5	1	43.7	1
Benzyl Chloride		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Bromodichloromethane		<5.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Bromoform		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Bromomethane		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Carbon Disulfide		NA	<1.00	1	20.8	1	16.4	1	15.7	1	8.56	1	64.4	1
Carbon Tetrachloride	5	<3.1	0.503	0.25	0.314	0.25	<0.25	0.25	3.4	0.25	0.314	0.25	0.377	0.25
Chlorobenzene		<2.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Chloroethane		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Chloroform		<2.4	<1.00	1	7.61	1	10.7	1	30.5	1	<1.00	1	<1.00	1
Chloromethane		<1.0 - 1.4	1.44	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
cis-1,2-Dichloroethene		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
cis-1,3-Dichloropropene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Cyclohexane		NA	<1.00	1	3.51	1	5.78	1	4.61	1	12.2	1	13.7	1
Dibromochloromethane		<5.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Dichlorodifluoromethane		NA	2.96	1	4.4	1	53.9	1	19.8	1	2.72	1	3.01	1
Ethanol			20.3	1	48.6	1	34.1	1	190	1	8.34	1	11.7	1
Ethyl Acetate		NA	<1.00	1	1.37	1	1.8	1	4.46	1	<1.00	1	<1.00	1
Ethylbenzene		<4.3	<1.00	1	43.4	1	61.6	1	10.4	1	55.5	1	153	1
Heptane		NA	1.6	1	20.9	1	51.2	1	12.6	1	68	1	114	1
Hexachlorobutadiene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Hexane		<1.5	1.27	1	11.9	1	32	1	12.4	1	49	1	33.9	1
Isopropylalcohol		NA	179	1	1.18	1	10.3	1	2.5	1	2.6	1	4.91	1
Isopropylbenzene			<1.00	1	3.1	1	2.7	1	1.08	1	2.5	1	3.59	1
Xylene (m&p)		<4.3	1.26	1	173	1	200	1	35.7	1	182	1	345	1
Methyl Ethyl Ketone			1.09	1	4.07	1	7.43	1	3.45	1	8.13	1	20.9	1
MTBE		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Methylene Chloride		<3.4	1.32	1	1.04	1	1.11	1	<1.00	1	1.42	1	1.56	1
n-Butylbenzene			<1.00	1	2.19	1	2.36	1	1.64	1	1.43	1	<1.00	1
Xylene (o)		<4.3	<1.00	1	54.2	1	49.9	1	13.2	1	46.9	1	81.1	1
Propylene		NA	1.2	1	6.05	1	5.38	1	4.28	1	50.7	1	20	1
sec-Butylbenzene			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Styrene		<1.0	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Tetrachloroethene	30		0.271	0.25	4.81	0.25	4	0.25	15.2	0.25	15.8	0.25	19	0.25
Tetrahydrofuran		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Toluene		1.0 - 6.1	2.37	1	132	1	308	1	64.4	1	269	1	621	1
trans-1,2-Dichloroethene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
trans-1,3-Dichloropropene		NA	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Trichloroethene	5	<1.7	<0.25	0.25	0.43	0.25	<0.25	0.25	14.8	0.25	4.3	0.25	0.806	0.25
Trichlorofluoromethane		NA	1.74	1	3.26	1	4.6	1	2.64	1	1.8	1	1.68	1
Trichlorotrifluoroethane			<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1	<1.00	1
Vinyl Chloride		<1.0	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25

Notes:

NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, New York State Department of Health.

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

TABLE 13
Former Bennett Trucking Corp Site
845 Grand Street,
Brooklyn, NY
Parameters Detected Above Track 1 Soil Cleanup Objectives

COMPOUND	Range in Exceedances	Frequency of Detection	B1	B2	B3	SB1	SB2	SB3	SB4	SB5	SB6			SB7		SB8	SB9		
			(10-13)	(10-13)	(10-13)	(12-14)	(12-14)	(12-14)	(12-14)	(12-14)	(12-14)	(12-14)	(12-14)	(25-16)	(26-27)	(12-14)	(19-21)	(10-12)	(12-14)
<i>Sample Results in µg/kg</i>																			
1,2,4-Trimethylbenzene	5,500-56,000	4		5,500										19,000	56,000				48,000
1,3,5-Trimethylbenzene	14,000-24,000	2													24,000				14,000
Benzene	100-1,400	3												100	430				1,400
Ethylbenzene	1,300-26,000	4		1,300										3,300	24,000				26,000
m&p-Xylenes	590-84,000	5	590	5,000										6,900	53,000				84,000
Methylene Chloride	610	1													610				
Naphthalene	12,000	1													12,000				
n-Propylbenzene	8,700-15,000	2													15,000				8,700
o-Xylene	560-31,000	4		1,900										560	12,000				31,000
Toluene	36,000	1																	36,000
<i>Sample Results in µg/kg</i>																			
Manganese	2,860	1													2,860				

TABLE 14
Former Bennett Trucking Corp Site
845 Grand Street, Brooklyn NY
Parameters Detected Above Ambient Water Quality Standards

VOCs / SVOCs

COMPOUND	Range in Detections	GW1 10/14/13	MW1 3/25/14	MW3 3/25/14	MW5 3/25/14
<i>Sample Results in (µg/L)</i>					
1,2,4-Trimethylbenzene	230-490	230		490	
1,2-Dichloethane	13	13			
1,3,5-Trimethylbenzene	54-150	54		150	
Benzene	100-290	290		100	
Ethylbenzene	260-1,400	260			1,400
Isopropylbenzene	51				51
m&p-Xylenes	9.2-1,800	740		9.2	1,800
Naphthalene	56-390	56			390
n-Butylbenzene	12				12
n-Propylbenzene	29-150	29			150
o-Xylene	5.5-390	340		5.5	390
sec-Butylbenzene	6.2				6.2
Toluene	1,200-1,600	1,600			1,200
Benzo(a)anthracene	0.04-0.06		0.06	0.05	0.04
Benzo(k)fluoranthene	0.02				0.02
Chrysene	0.03-0.05		0.05	0.04	0.03

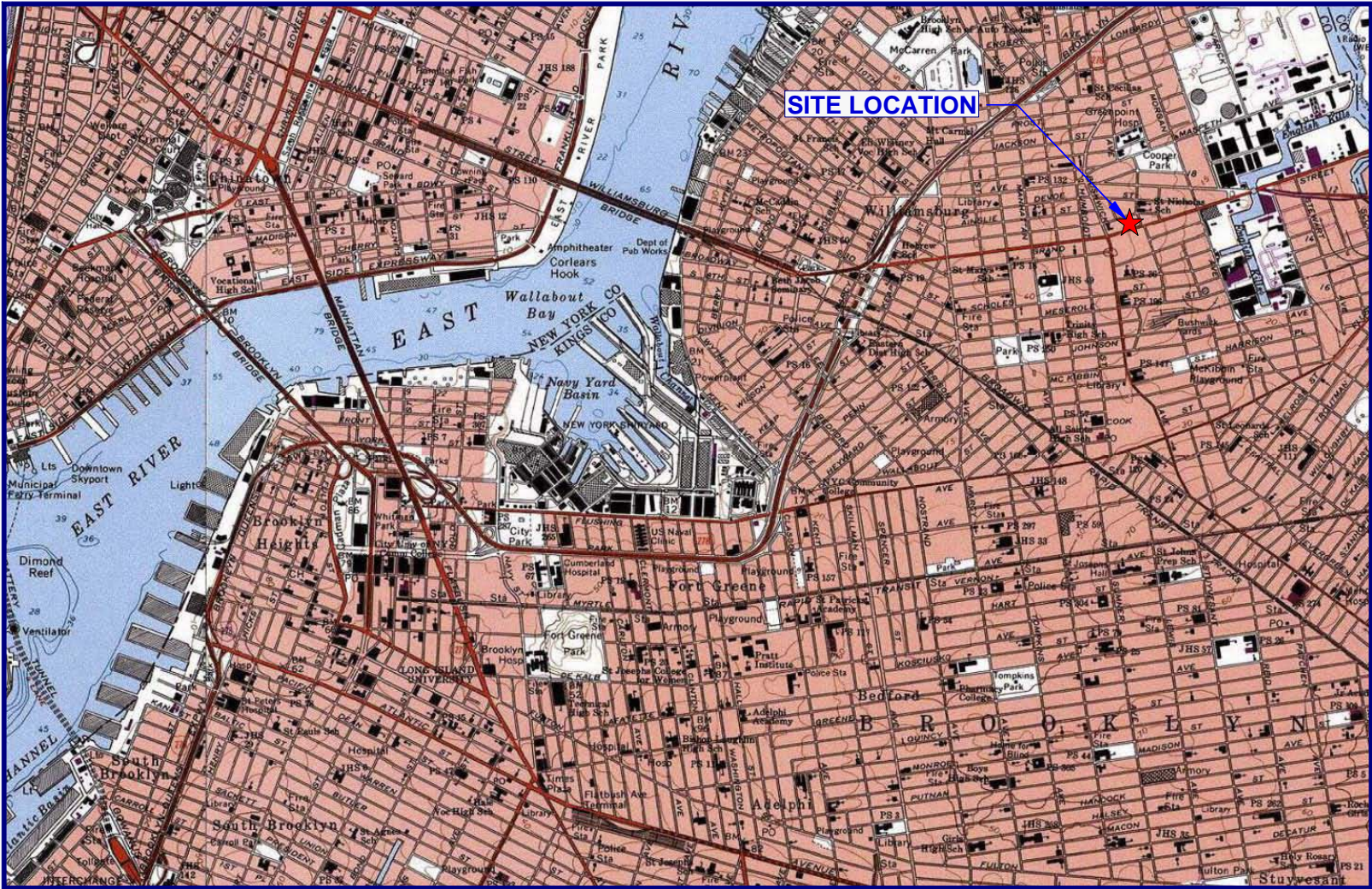
Metals (dissolved)

COMPOUND	Range in Detections	GW1 10/14/13	MW1 3/25/14	MW3 3/25/14	MW5 3/25/14
<i>Sample Results in (mg/L)</i>					
Iron	0.82-6.09		6.09		0.82
Magnesium	58-67		67	58	
Manganese	3-10		10	3	
Sodium	63-607		109	607	63

Metals (total)

COMPOUND	Range in Detections	GW1 10/14/13	MW1 3/25/14	MW3 3/25/14	MW5 3/25/14
<i>Sample Results in (mg/L)</i>					
Iron	3.89-30.2		11	3.89	30.2
Magnesium	57.5-64.6		64.6	57.5	
Mangense	0.44-9.5		9.5	2.85	0.44
Sodium	57-582		101	582	57

FIGURES



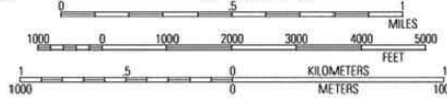
74°00.000' W

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

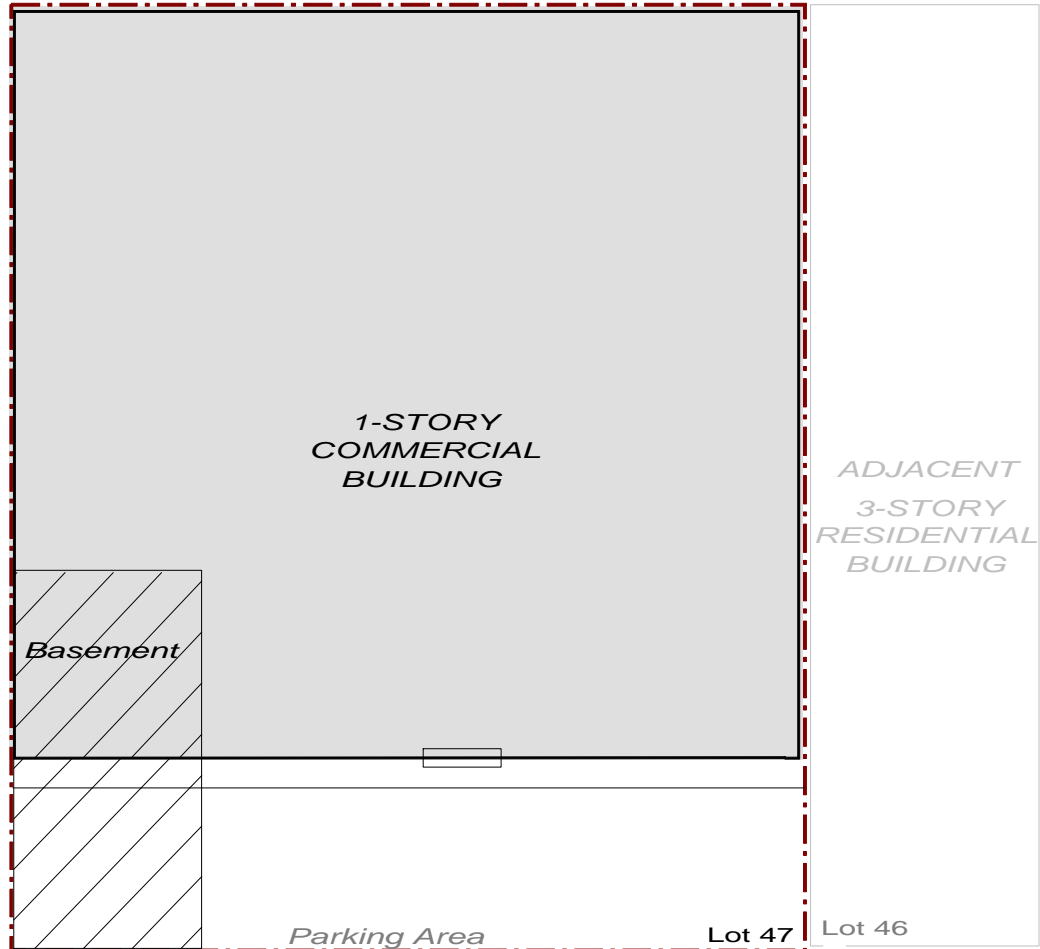


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**845 GRAND STREET
BROOKLYN, NY**

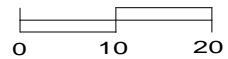
FIGURE 1 SITE LOCATION MAP



GRAND STREET

KEY

--- Property Line



Scale: 1 inch = 20 feet

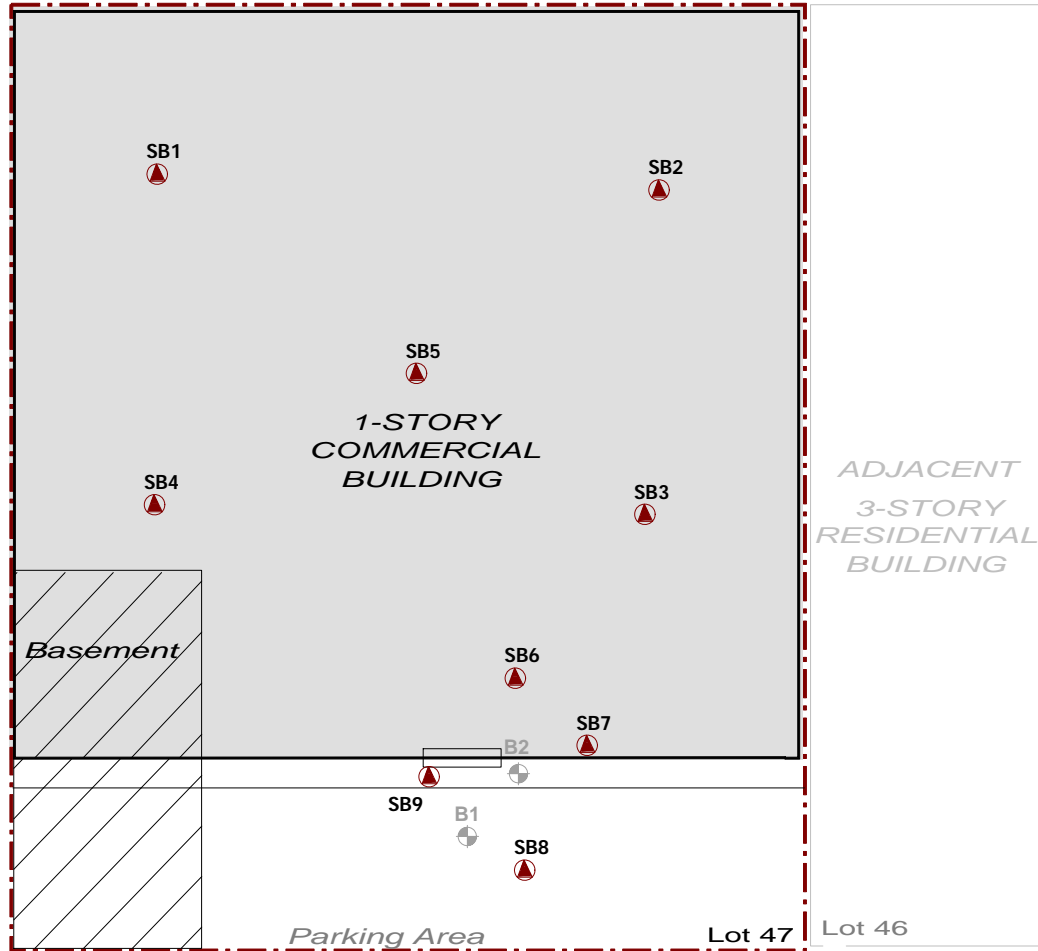


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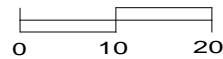
FIGURE 2 Site Plan



GRAND STREET

KEY

-  Property Line
-  Phase II Soil Boring Location
-  RI Soil Boring Location



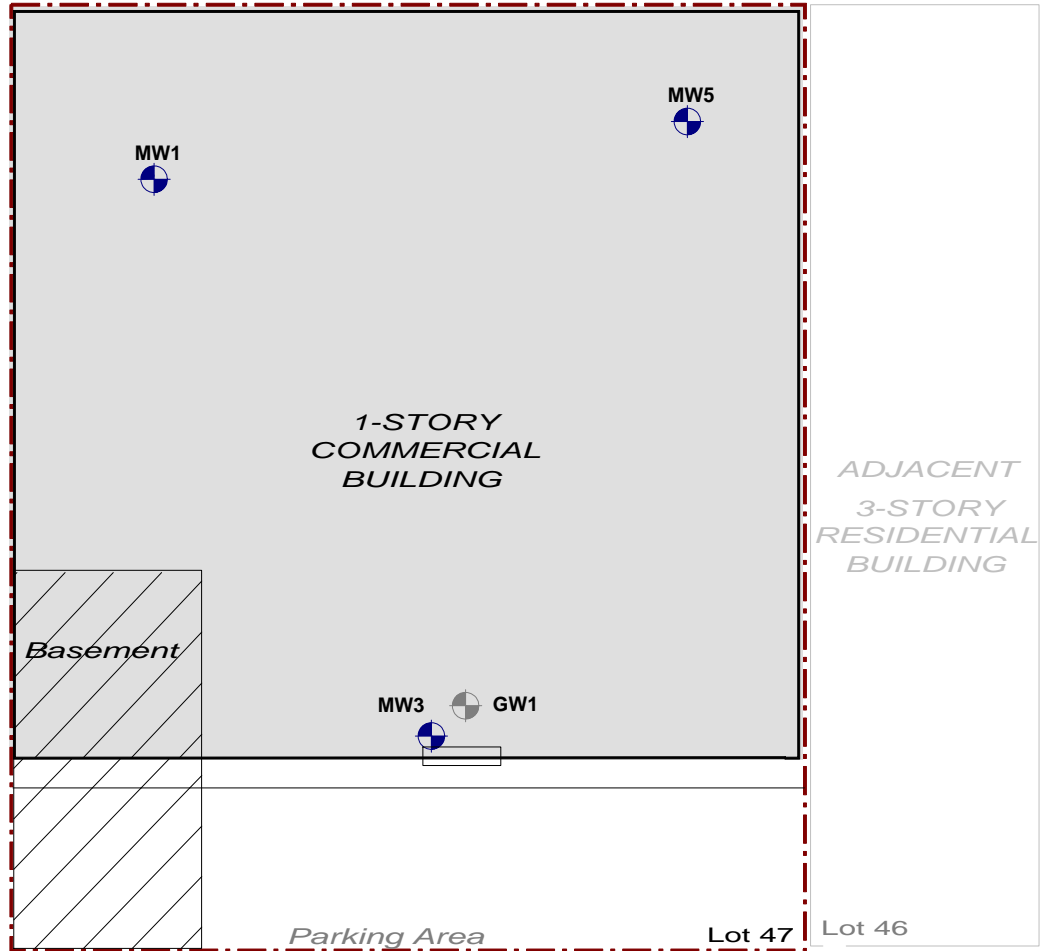
Scale: 1 inch = 20 feet



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845 Grand Street
Brooklyn, NY 11211

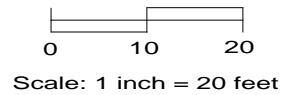
FIGURE 3 Soil Boring Locations



GRAND STREET

KEY

-  Property Line
-  RI Monitoring Well Location
-  Phase II Monitoring Well Location

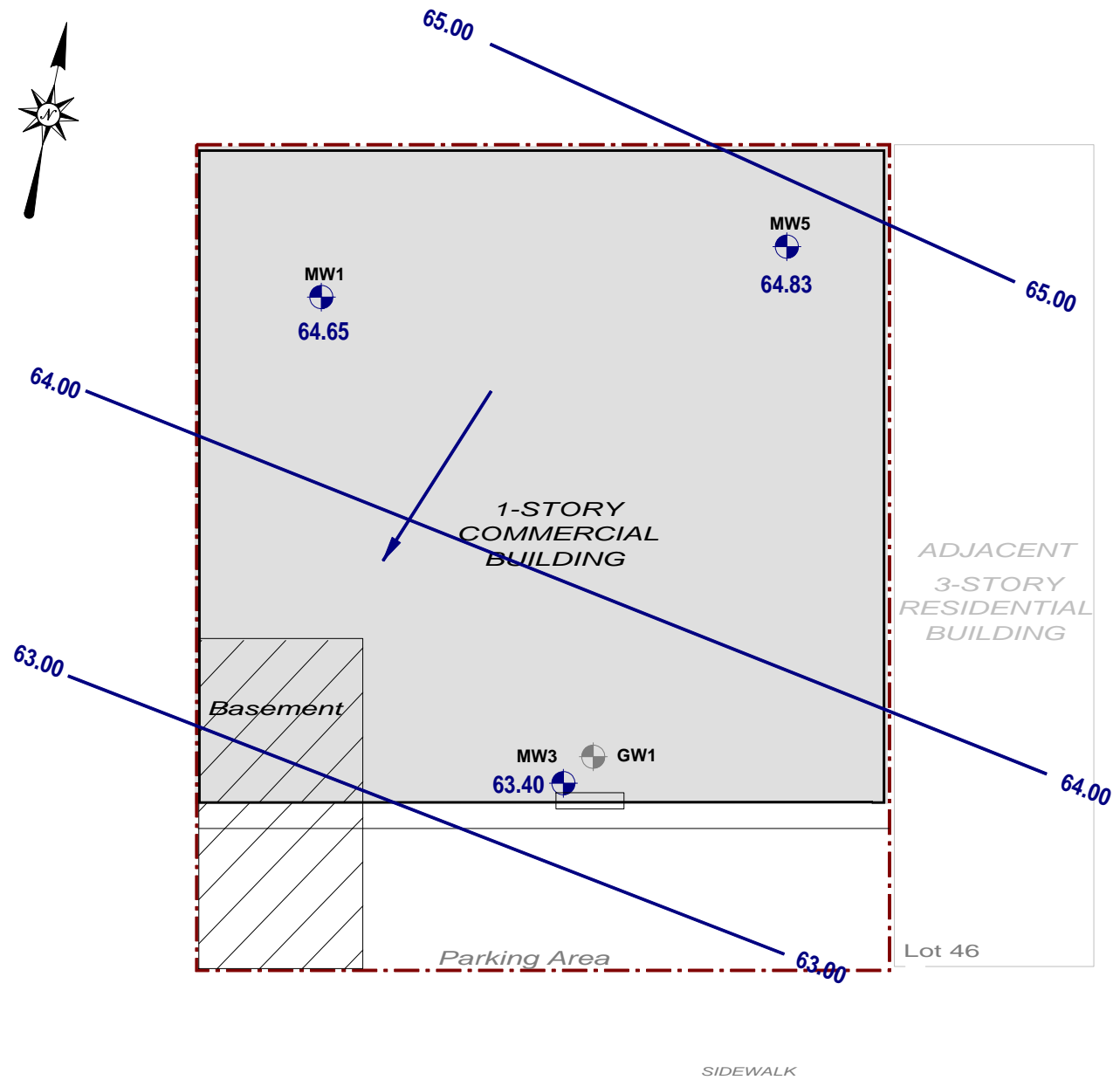


EBC
Environmental Business Consultants

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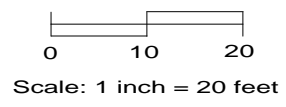
845 Grand Street
Brooklyn, NY 11211

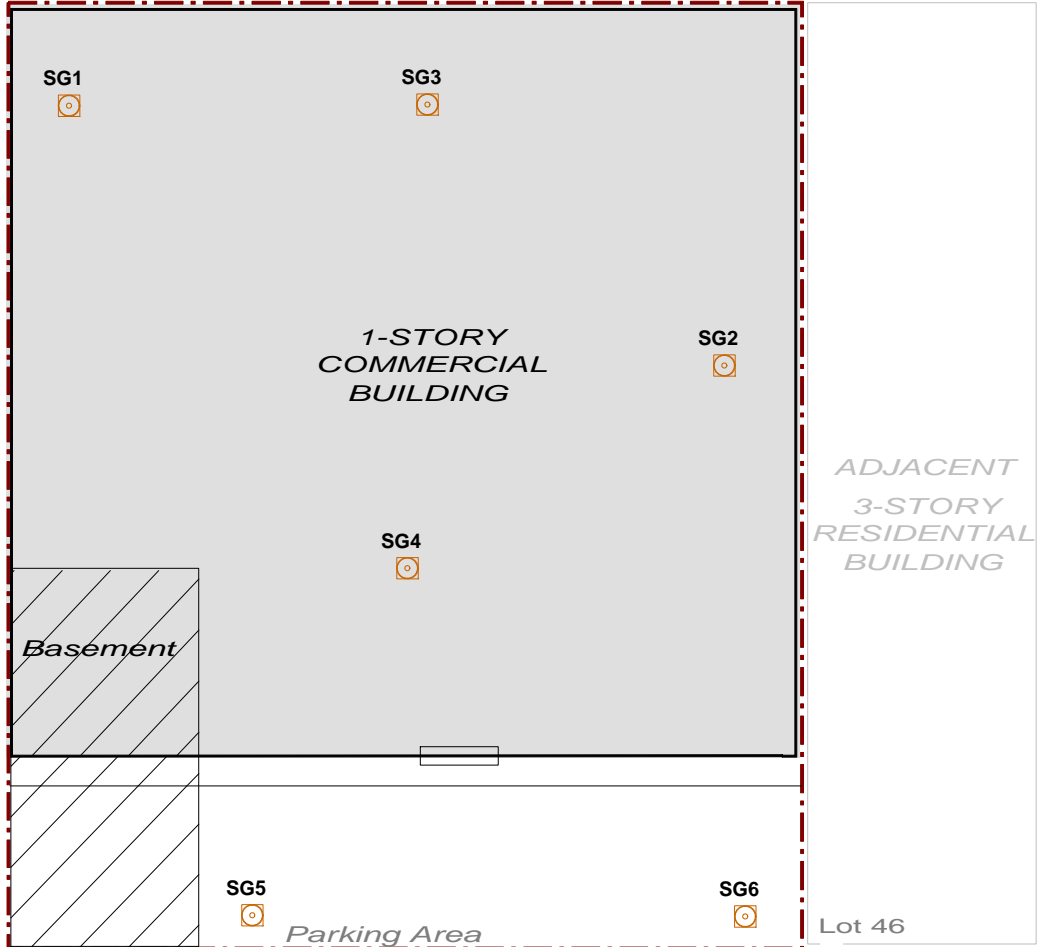
FIGURE 4 Monitoring Well Locations



GRAND STREET

- KEY**
- Property Line
 - RI Monitoring Well Location
 - Phase II Monitoring Well Location





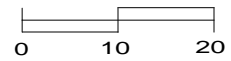


SIDEWALK

GRAND STREET

KEY

-  Property Line
-  Soil Gas Location



Scale: 1 inch = 20 feet

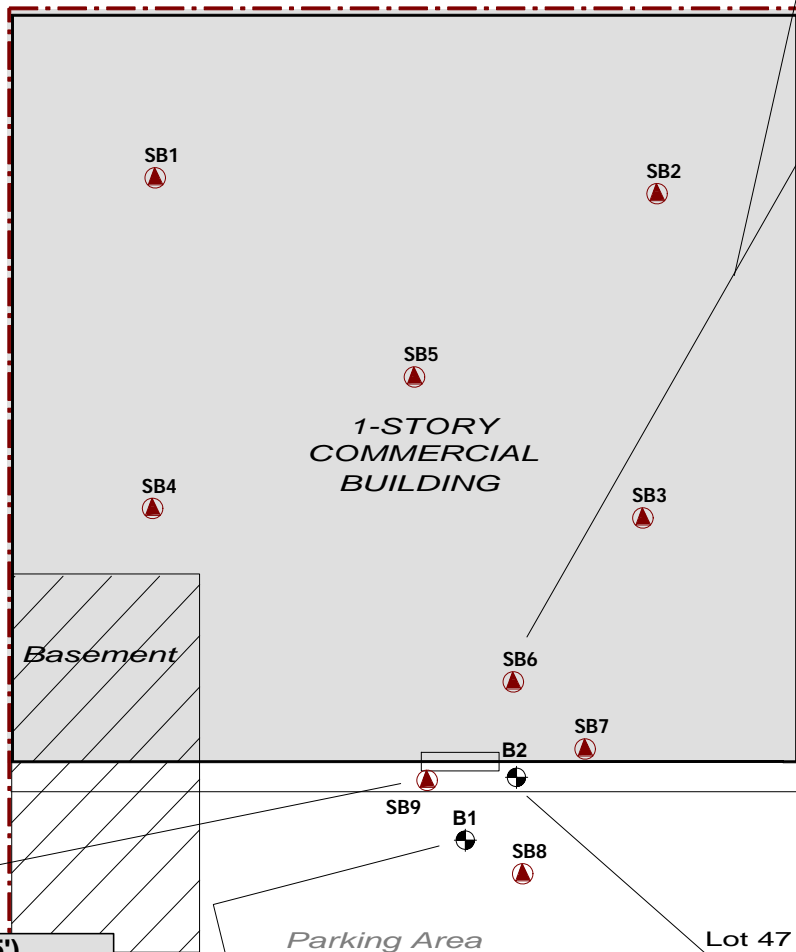


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FIGURE 6 Soil Gas Locations



SB6 (25-26')	
VOCs	ug/kg
1,2,4-Trimethylbenzene	19,000
Benzene	100
Ethylbenzene	3,300
m&p-Xylenes	6,900
o-Xylene	560

SB6 (26-27')	
VOCs	ug/kg
1,2,4-Trimethylbenzene	56,000
1,3,5-Trimethylbenzene	24,000
Benzene	430
Ethylbenzene	24,000
m&p-Xylenes	53,000
Methylene Chloride	610
Napthalene	12,000
n-Propylbenzene	15,000
o-Xylene	12,000
METALS	
Manganese	2,860

ADJACENT
3-STORY
RESIDENTIAL

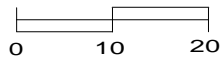
SB9 (15')	
VOCs	ug/kg
1,2,4-Trimethylbenzene	48,000
1,3,5-Trimethylbenzene	14,000
Benzene	1,400
Ethylbenzene	26,000
m&p-Xylenes	84,000
n-Propylbenzene	8,700
o-Xylene	31,000
Toluene	36,000

B1 (10-13')	
VOCs	ug/kg
m&p-Xylenes	590

B2 (13-15')	
VOCs	ug/kg
1,2,4-Trimethylbenzene	5,500
Ethylbenzene	1,300
m&p-Xylenes	5,500
o-Xylene	1,900

KEY

- Property Line
- Bx Phase II Soil Boring Location
- SBx RI Soil Boring Location



Scale: 1 inch = 20 feet



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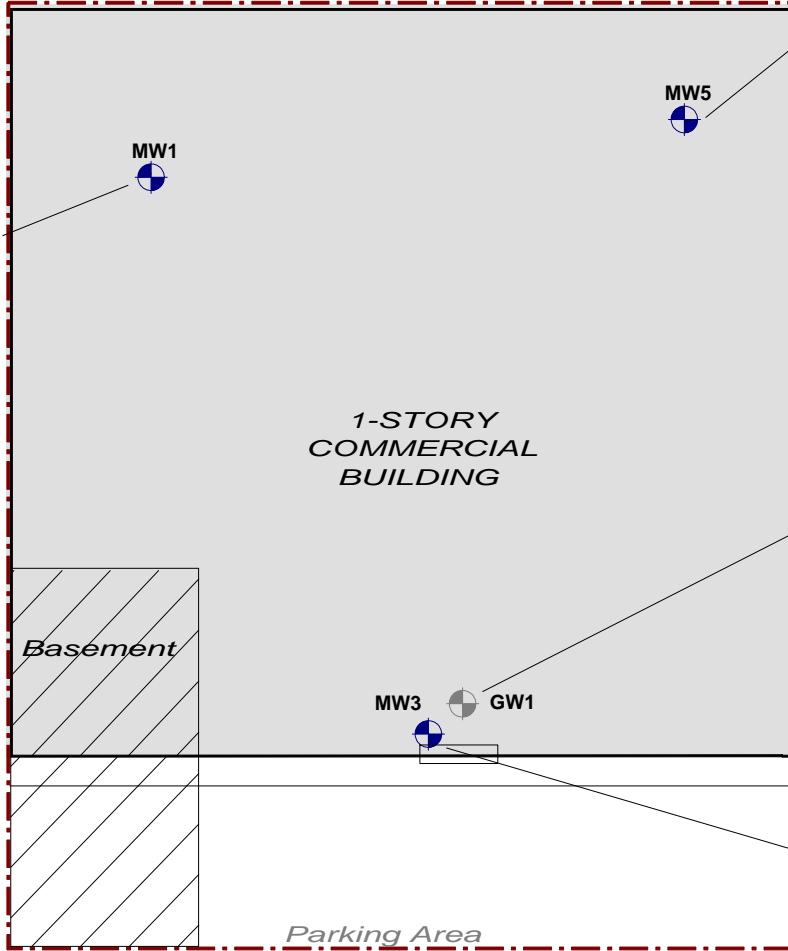
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FIGURE 7 Soil Exceedences



SVOCs (ug/L)	
Benzo(a)anthracene	0.06
Chrysene	0.05
Dissolved Metals (mg/L)	
Iron	6.09
Magnesium	67
Manganese	10
Sodium	109



VOCs (ug/L)	
1,2,4-Trimethylbenzene	490
1,3,5-Trimethylbenzene	150
Ethylbenzene	1,400
Isopropylbenzene	51
m&p-xylenes	1,800
Naphthalene	390
n-Butylbenzene	12
n-Propylbenzene	150
o-Xylene	390
sec-Butylbenzene	6.2
Toluene	1,200

SVOCs (ug/L)	
Benzo(a)anthracene	0.04
Benzo(k)fluoranthene	0.02
Chrysene	0.03
Naphthalene	220

VOCs (ug/L)	
1,2,4-Trimethylbenzene	230
1,2-Dichloethane	13
1,3,5-Trimethylbenzene	54
Benzene	290
Ethylbenzene	260
m&p-xylenes	740
Naphthalene	56
n-Propylbenzene	29
o-Xylene	340
Toluene	1,600

SVOCs (ug/L)	
Naphthalene	85

VOCs (ug/L)	
Benzene	100
m&p-xylenes	9.2
o-Xylene	5.5

SVOCs (ug/L)	
Benzo(a)anthracene	0.05
Chrysene	0.04

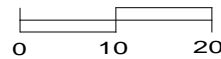
Dissolved Metals (mg/L)	
Magnesium	58
Manganese	3
Sodium	607

SIDEWALK

GRAND STREET

KEY

- Property Line
- RI Monitoring Well Location
- Phase II Monitoring Well Location



Scale: 1 inch = 20 feet



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FIGURE 8 Groundwater Exceedences



SG1

Compound	µg/m3
Acetone	9.54
Benzene	1.02
Carbon Tetrachloride	0.503
Chloromethane	1.44
Dichlorodifluoromethane	2.96
Ethanol	20.03
Heptane	1.6
Hexane	1.27
Isopropylalcohol	179
Xylene (m&p)	1.26
Methyl Ethyl Ketone	1.09
Methylene Chloride	1.32
Propylene	1.2
Tetrachloroethene	0.271
Toluene	2.37
Trichlorofluoromethane	1.74

SG5

Compound	µg/m3
1,2,4-Trimethylbenzene	23
1,3,5-Trimethylbenzene	6.24
4-Ethyltoluene	8.65
Acetone	203
Benzene	24.5
Carbon Disulfide	0.314
Cyclohexane	12.2
Dichlorodifluoromethane	2.72
Ethanol	8.34
Ethylbenzene	55.5
Heptane	68
Hexane	49
Isopropylalcohol	2.6
Isopropylbenzene	2.5
Xylene (m&p)	182
Methyl Ethyl Ketone	8.13
Methylene Chloride	1.42
n-Butylbenzene	1.43
Xylene (o)	46.9
Propylene	50.7
Tetrachloroethene	15.8
Toluene	269
Trichloroethene	4.3
Trichlorofluoromethane	1.8

SG1

SG3

Compound	µg/m3
1,2,4-Trimethylbenzene	32.8
1,3,5-Trimethylbenzene	7.71
4-Ethyltoluene	10.9
4-Methyl-2-pentanone	1.8
Acetone	47.2
Benzene	23.3
Carbon Disulfide	16.4
Chloroform	10.7
Cyclohexane	5.78
Dichlorodifluoromethane	53.9
Ethanol	34.1
Ethyl Acetate	1.8
Ethylbenzene	61.6
Heptane	51.2
Hexane	32
Isopropylalcohol	10.3
Isopropylbenzene	2.7
Xylene (m&p)	200
Methyl Ethyl Ketone	7.43
Methylene Chloride	1.11
n-Butylbenzene	2.36
Xylene (o)	49.9
Propylene	5.38
Tetrachloroethene	4
Toluene	308
Trichlorofluoromethane	4.6

SG3

SG4

SG4

Compound	µg/m3
1,1,1-Trichloroethane	12.6
1,2,4-Trimethylbenzene	14.8
1,3,5-Trimethylbenzene	3.88
4-Ethyltoluene	3.24
Acetone	58.2
Benzene	8.59
Carbon Disulfide	15.7
Carbon Tetrachloride	3.4
Chloroform	30.5
Cyclohexane	4.61
Dichlorodifluoromethane	19.8
Ethanol	190
Ethyl Acetate	4.46
Ethylbenzene	10.4
Heptane	12.6
Hexane	12.4
Isopropylalcohol	2.5
Isopropylbenzene	1.08
Xylene (m&p)	35.7
Methyl Ethyl Ketone	3.45
n-Butylbenzene	1.64
Xylene (o)	13.2
Propylene	4.28
Tetrachloroethene	15.2
Toluene	64.4
Trichloroethene	14.8
Trichlorofluoromethane	2.64

SG5

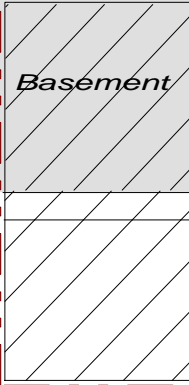
SG2

SG2

Compound	µg/m3
1,2,4-Trimethylbenzene	41.8
1,3,5-Trimethylbenzene	13.3
4-Ethyltoluene	15.4
4-Isopropyltoluene	1.1
4-Methyl-2-pentanone	2.37
Acetone	36.6
Benzene	7.69
Carbon Disulfide	20.8
Carbon Tetrachloride	0.314
Chloroform	7.61
Cyclohexane	3.51
Dichlorodifluoromethane	4.4
Ethanol	48.6
Ethyl Acetate	1.37
Ethylbenzene	43.4
Heptane	20.9
Hexane	11.9
Isopropylalcohol	1.18
Isopropylbenzene	3.1
Xylene (m&p)	173
Methyl Ethyl Ketone	4.07
Methylene Chloride	1.04
n-Butylbenzene	2.19
Xylene (o)	54.2
Propylene	6.05
Tetrachloroethene	4.81
Toluene	132
Trichloroethene	0.43
Trichlorofluoromethane	3.26

SG6

Compound	µg/m3
1,2,4-Trimethylbenzene	11.3
1,3,5-Trimethylbenzene	3.29
4-Ethyltoluene	6.68
Acetone	382
Benzene	43.7
Carbon Disulfide	0.377
Cyclohexane	13.7
Dichlorodifluoromethane	3.01
Ethanol	11.7
Ethylbenzene	153
Heptane	114
Hexane	33.9
Isopropylalcohol	4.91
Isopropylbenzene	3.59
Xylene (m&p)	345
Methyl Ethyl Ketone	20.9
Methylene Chloride	1.56
Xylene (o)	81.1
Propylene	20
Tetrachloroethene	19
Toluene	621
Trichloroethene	0.806
Trichlorofluoromethane	1.68

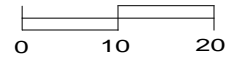


SIDEWALK

GRAND STREET

KEY

- Property Line
- SGx**
- Soil Gas Location



Scale: 1 inch = 20 feet



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FIGURE 9 Soil Gas Detections

APPENDIX – A
Soil Boring Logs

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed Northeast of the former B2 location. On the sidewalk of the building entrance.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: EXB1301	Address: 845 Grand Street, Brooklyn, NY	Date	DTW
Drilling Company: Eastern Environmental Solutions		Ground Elevation	
Method: Geoprobe		Well Specifications	
Date Started: 6/7/2013	Date Completed: 6/7/2013	None	
Completion Depth: 15	Geologist: Dominick Mosca		

B2 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				No recovery.
	to	0		0.0	
	5				40" - Brown firm silty sand. 4" layer of concrete @ 6'.
	to	40		0.0	
	10				6" - Red stone/brick. 22" - Brown silty sand with a slight petroleum odor. <i>*Retained soil sample B2(13-15)</i>
	to	28		10	
	15				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB2

Location: Performed in the NE corner of the building.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address: 845 Grand Street, Brooklyn, New York	Date	DTW
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Well Specifications	
Date Started: 3/18/2014	Date Completed: 3/18/2014	None	
Completion Depth: 15 feet	Geologist Kevin Waters		

SB2 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to 5	18		0.0	4" - Concrete. 14" - Brown fine sand. No odor.
	to 10	24		0.0	24" - Brown fine sand.
	to 15	30		0.0	30" - Brown sandy silt with rock. <i>*Retained soil sample SB2(12-14)</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB5

Location: Performed in the middle/SW corner of the laundry building.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address: 845 Grand Street, Brooklyn, New York	Date	DTW
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Well Specifications	
Date Started: 3/18/2014	Date Completed: 3/18/2014	None	
Completion Depth: 15 feet	Geologist Kevin Brussee		

SB5 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to 5	16		0.0	4" - Concrete. 6" - dark brown silty sand. 3" - Concrete. 3" - Historic fill.
	to 10	18		0.0	2" - Historic fill. 16" - Brown sandy clay with some grey mottling.
	to 15	48		0.0	48" - Brown sandy clay. <i>*Retained soil sample SB5(12-14)</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB6

Location: Performed 6' inside the building, immediately in front of the double doors.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address: 845 Grand Street, Brooklyn, New York		Ground Elevation
Drilling Company: Eastern Environmental Solutions		Method: Geoprobe	Well Specifications
Date Started: 3/18/2014	Date Completed: 3/18/2014		
Completion Depth: 27 feet		Geologist: Kevin Brussee	None

SB6 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to 5	28		0.0	4" - Concrete. 5" - Black silty sand. 3" - Concrete. 17" - Brown silty sand.
	to 10	48		0.0	48" - Brown clayey sand.
	to 15	50		0.0	50" - Brown clayey sand. <i>*Retained soil sample SB6(12-14)</i>
	to 20	60		0.0	60" - Brown sandy clay.
	to 25	30		0.0	30" - Brown sandy clay with rock in shoe.
	to 27	15		0-2,040	12" - Brown silty sand 3" - Black stained sand with petroleum odor. <i>*Retained soil sample SB6(25-26) and SB6 (26-27).</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB7

Location: Performed in eastern side of existing building.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address: 845 Grand Street, Brooklyn, New York	Date	DTW
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Well Specifications	
Date Started: 3/24/2014	Date Completed: 3/24/2014	None	
Completion Depth: 21 feet	Geologist: Dominick Mosca		

SB7 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	26		0.0	10" - Concrete. 16" - Red-brown fine to medium silty sand.
	5				
	to	40		0.0	10" - Firm dark brown silty sand. 1" - Stone. 10" - Firm brown silty sand. 19" - Brown sandy loam with coarse gravel.
	10				
	to	42		0-1	3" - Firm brown silty sand and coarse gravel.
	15				<i>*Retained soil sample SB7(12-14)</i>
	to	28		0-2	28" - Firm brown silty sand and coarse gravel.
	20				<i>*Retained soil sample SB7(19-21)</i>
	21	4"		0.0	4" - Firm brown silty sand and coarse gravel. Refusal at 21'.

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB8

Location: Performed 13' southeast of SB9, immediately east of the front double doors. 6' from sidewalk.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address:	Date	DTW
	845 Grand Street, Brooklyn, New York	Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Well Specifications	
Date Started: 3/18/2014	Date Completed: 3/18/2014	None	
Completion Depth: 23 feet	Geologist: Dominick Mosca		

SB8 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	0		0.0	No recovery.
	5				
	to	36		0.0	36" - Brown fine, damp silty sand.
	10				
	to	28		27.2	28" - Brown sandy silt. Slight odor, PID 27.2
	15				<i>*Retained soil sample SB8(12-14)</i>
	to	40		0-2	40" - Brown silty sand. No odor, No PID.
	20				
	to				Refusal at 23'. No recovery.
	23				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB9

Location: Performed in eastern side of existing building.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: UDI1301	Address: 845 Grand Street, Brooklyn, New York	Date	DTW
		Groundwater depth	
Drilling Company: Eastern Environmental Solutions	Method: Geoprobe	Well Specifications	
Date Started: 3/18/2014	Date Completed: 3/18/2014	None	
Completion Depth: 25 feet	Geologist: Dominick Mosca		

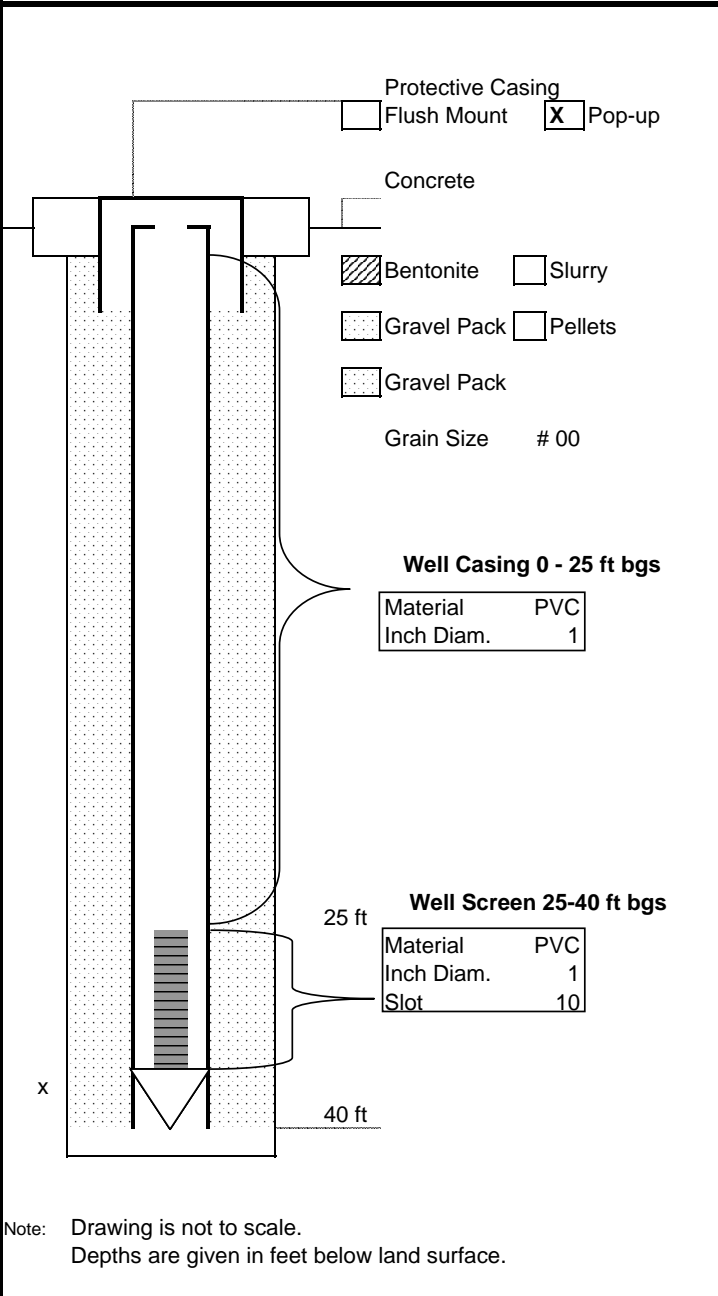
SB9 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	26		0.0	10" - Concrete. 14" - Fine brown sand.
	5				
	to	46		0.0	46" - Fine brown sand.
	10				
	to	42		0-1,440	30" - Fine brown silty sand with some crushed stone. PID 0.0 12" - Fine brown silty sand with petroleum odor and PID of 1440 ppm. <i>*Retained soil sample SB9(12-14) and SB9 (15).</i>
	15				
	to	20		8-1,100	20" - Fine brown silty sand with crushed stone.
	20				
	to	46		0.0	5" - Brown sand with gravel. 8" - Brown silty sand with crushed gravel. 3" - Brown sand with gravel, 3" crushed stone. 25" - Brown silty sand. <i>*Retained soil sample SB9(25)</i>
	25				

APPENDIX - B
Well Construction Logs

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

GW-1



Monitoring Well No.: GW-1

Project: 845 Grand Street, Brooklyn

Depth to Groundwater: Date:

Installation Depth: 40ftbg

Survey Point Elevation:

Installation Date: 10/14/2013

Drilling Contractor: Eastern Environmental Solutions, Inc.

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Dominick Mosca

Company Name: EBC

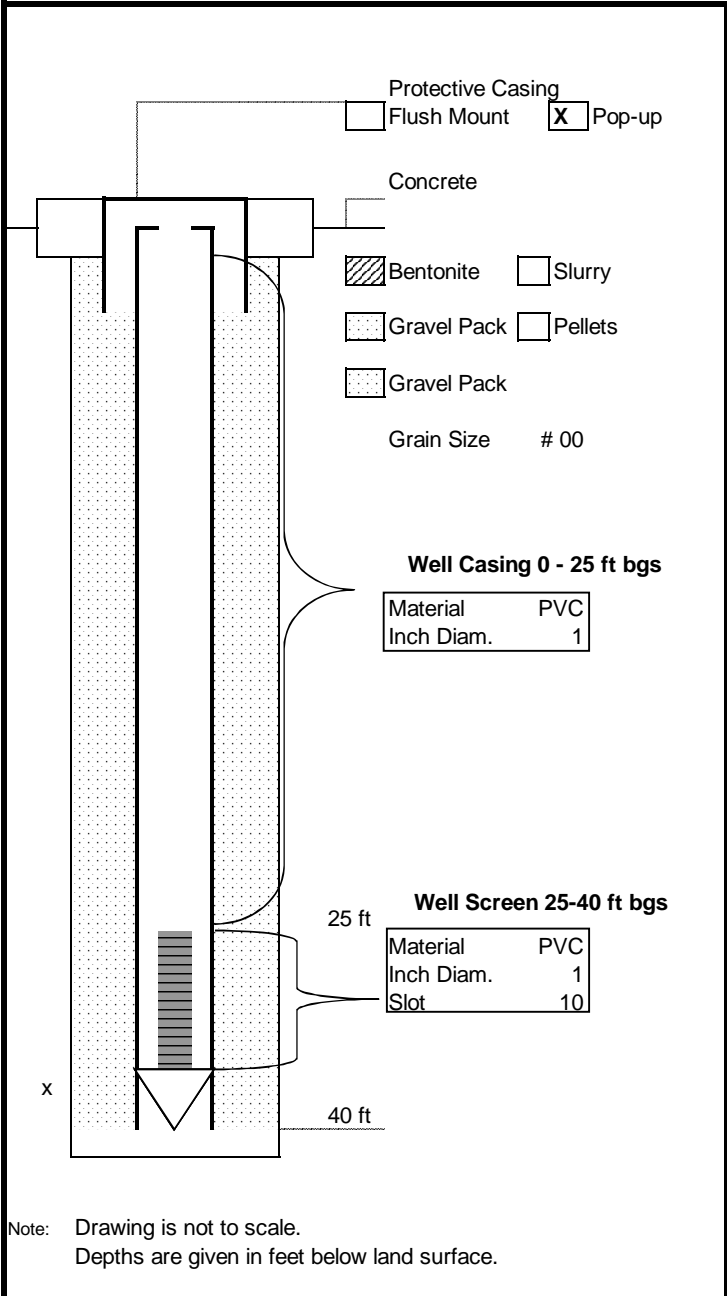


ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW-1



Monitoring Well No.: MW-1

Project: 845 Grand Street, Brooklyn

Depth to Groundwater: Date:

Installation Depth: 40ftbg

Survey Point Elevation:

Installation Date: 3/19/2014

Drilling Contractor: Eastern Environmental Solutions, Inc.

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Dominick Mosca

Company Name: EBC

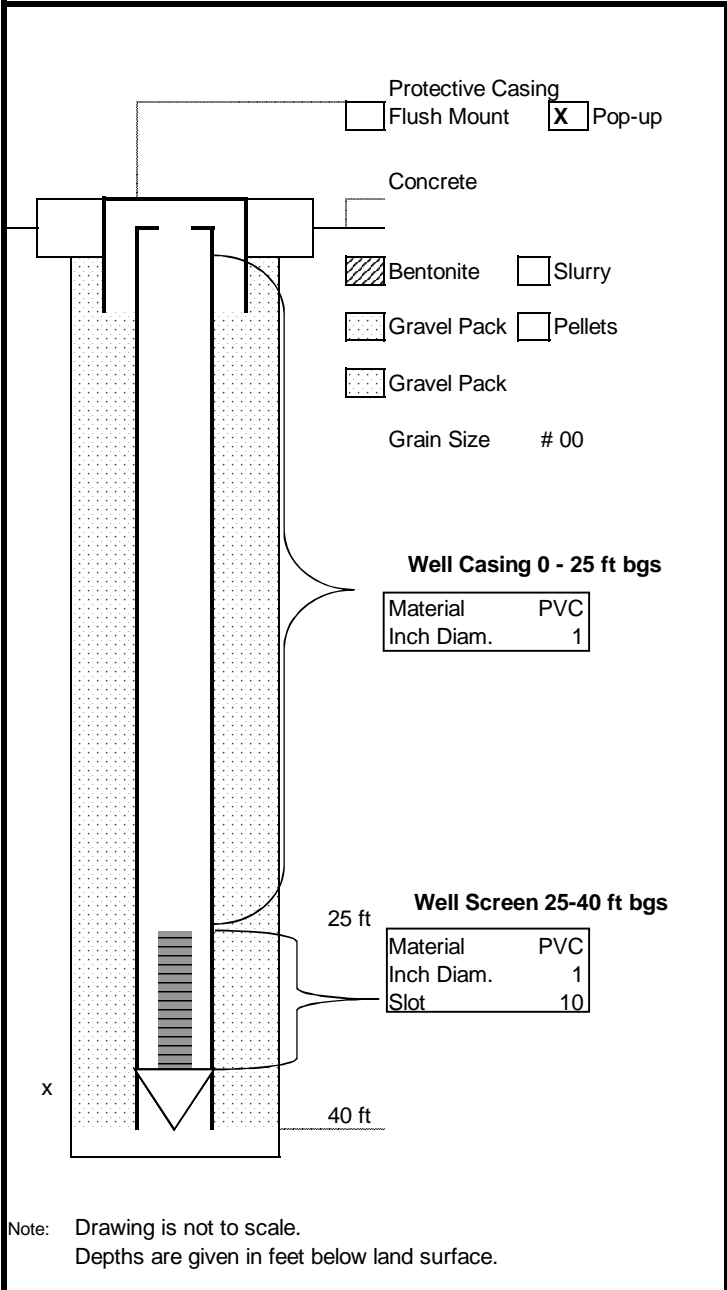


ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW-3



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: MW-3

Project: 845 Grand Street, Brooklyn

Depth to Groundwater: Date:

Installation Depth: 40ftbg

Survey Point Elevation:

Installation Date: 3/24/2014

Drilling Contractor: Eastern Environmental Solutions, Inc.

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Dominick Mosca

Company Name: EBC

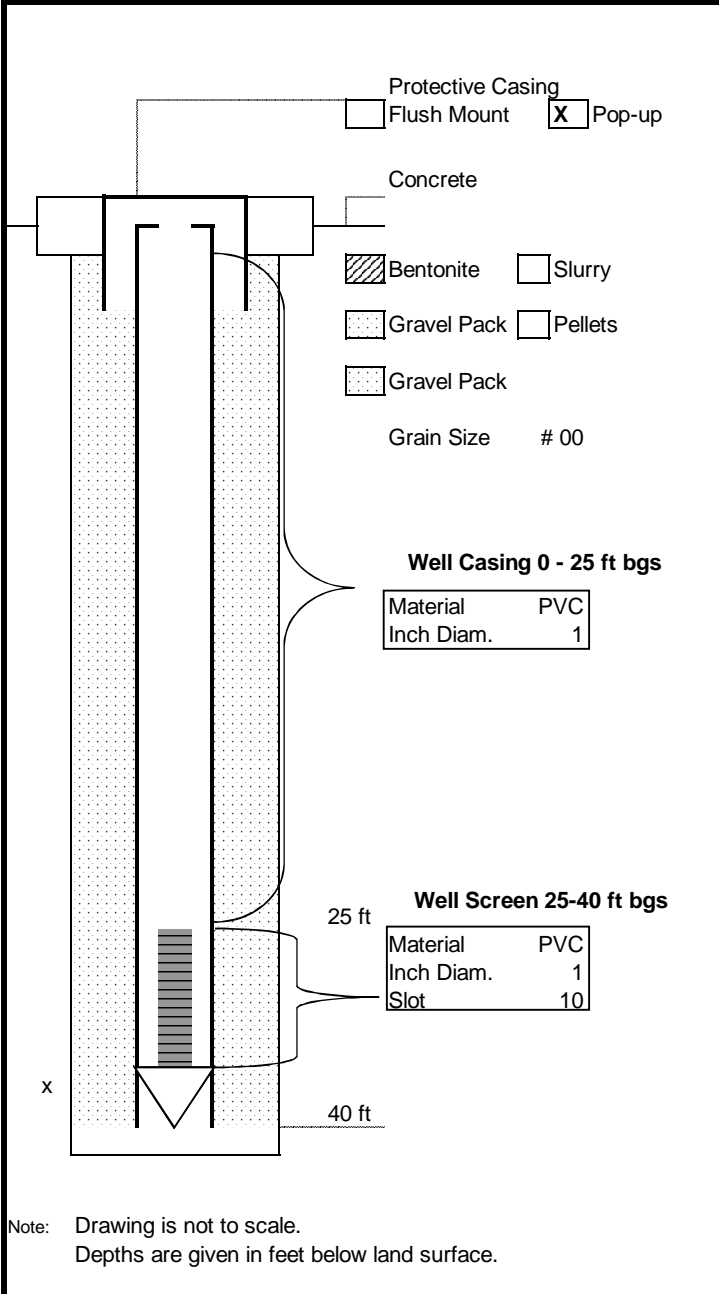


ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW-5



Note: Drawing is not to scale.
Depths are given in feet below land surface.

Monitoring Well No.: MW-5

Project: 845 Grand Street, Brooklyn

Depth to Groundwater: Date:

Installation Depth: 40ftbg

Survey Point Elevation:

Installation Date: 3/24/2014

Drilling Contractor: Eastern Environmental Solutions, Inc.

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Dominick Mosca

Company Name: EBC

APPENDIX - C
Well Purge Sheets

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 3/25/2014

Well Depth (from TOC): 40

Equipment: Check Valve

Static Water Level (from TOC): 30.07

Field Personnel: Dominick Mosca

Height of Water in Well: 9.93

Gallons of Water per Well Volume: 0.3972

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	Comments
0.00	9:58	400ml/min	0	7.44	1543	59.2	clear
4.00	10:02	400ml/min	0.44	7.17	1531	54.6	clear
7.00	10:05	400ml/min	0.77	6.94	1528	56.2	clear
9.00	10:07	400ml/min	0.99	6.82	1537	57	clear
11.00	10:09	400ml/min	1.21	6.83	1522	56.6	clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 3/25/2014

Well Depth (from TOC): 40

Equipment: Check Valve

Static Water Level (from TOC): 31.41

Field Personnel: Dominick Mosca

Height of Water in Well: 8.59

Gallons of Water per Well Volume: 0.3436

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	Comments
0.00	10:52	400ml/min	0	6.99	510	57.6	clear
4.00	10:56	400ml/min	0.44	6.92	510	56.8	clear
7.00	10:59	400ml/min	0.77	6.96	508	57.1	clear
9.00	11:01	400ml/min	0.99	6.94	504	57.3	clear
11.00	11:03	400ml/min	1.21	6.96	508	56.9	clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW5

Date: 3/25/2014

Well Depth (from TOC): 40

Equipment: Check Valve

Static Water Level (from TOC): 30.06

Field Personnel: Dominick Mosca

Height of Water in Well: 9.94

Gallons of Water per Well Volume: 0.3976

Flow Rate: 400ml/min.

Time	Time (24Hr)	Pump Rate	Gal. Removed	pH	Cond. (µS/cm)	Temp. (°F)	Comments
0.00	11:17	400ml/min	0	6.84	340	55.4	clear
4.00	11:21	400ml/min	0.44	6.70	344	54.8	clear
7.00	11:24	400ml/min	0.77	6.76	343	54.2	clear
9.00	11:26	400ml/min	0.99	6.70	350	54.3	clear
11.00	11:28	400ml/min	1.21	6.74	350	54.3	clear

Note 400 ml = 0.11 gallons

APPENDIX - D
Soil Gas Sampling Log



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 _____ of _____
 Data Delivery: Fax # _____
 Email _____
 Phone # _____

Report to: _____
 Customer: **EBC**
 Address: **1808 Middle Country Rd
 Ridge, NY**

Invoice to: **EBC**
 Project Name: **845 Grand Street**
 Criteria Requested: Deliverable: RCP
 MCP
 State where samples collected: **NY**

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	MATRIX		ANALYSES
													Ambient/Indoor Air	Soil Gas	
23787	SG1	487	6.2	-30"		3109		1015	1244	3-25-14	-30	-4	X		X
23788	SG2	455				4957		1028	1213	3-25-14	-30	-6			X
23789	SG3	464				5041		1300	1435		-29	-7			X
	* SG4	2855				4992									
23790	SG5	13686				5853		1022	1240		-30	-5			X
	** SG6	13634				3407		1023	1120		-30	-3			

Relinquished by: _____ Date: _____
 Accepted by: _____ Date: ~~3-27-14~~ 3-27-14
 Time: 9:50
 Data Format: Excel PDF
 Equis Other:

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:
 * Do not analyze
 ** Can 13634 and regulator 3407 only run for 1 hr. Do Not Analyze.

Signature: _____ Date: _____
 Quote Number: _____

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

APPENDIX - E
Laboratory Reports
(Digital File on CD)



Wednesday, May 07, 2014

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

Project ID: 845 GRAND ST
Sample ID#s: BG23801 - BG23805

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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: 845 GRAND ST

Laboratory Project: GBG23801



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

May 07, 2014

SDG I.D.: GBG23801

Environmental Business Consultants 845 GRAND ST

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

8081 Pesticide, 8260 Volatiles and 8270 Semi-volatile Organics:

Some samples required a dilution due to the presence of non-target material; not all requested reporting levels were achieved.

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:

Nitrobenzene, and Hexachlorobutadiene were evaluated from the SIM analysis in order to achieve the requested criteria.

Bis(2-chloroethyl)ether and the Nitroanilines were evaluated from the SIM analysis in order to achieve the requested criteria.

SIM Analysis:

The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

Methodology Summary

Metals

ICP :

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

Mercury:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Pesticides:

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

Polychlorinated Biphenyls (PCBs):



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

May 07, 2014

SDG I.D.: GBG23801

Environmental Business Consultants 845 GRAND ST

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.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
MW 1	BG23801	GROUND WATER
MW 3	BG23802	GROUND WATER
MW 5	BG23803	GROUND WATER
GW DUPLICATE	BG23804	GROUND WATER
TRIP BLANK	BG23805	GROUND WATER



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

May 07, 2014

SDG I.D.: GBG23801

Environmental Business Consultants 845 GRAND ST

Laboratory Chronicle

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



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

Analysis Report

May 07, 2014

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

Sample Information

Matrix: GROUND WATER
 Location Code: EBC
 Rush Request: 72 Hour
 P.O.#:

Custody Information

Collected by: D
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

0:00
 15:48

Laboratory Data

SDG ID: GBG23801
 Phoenix ID: BG23801

Project ID: 845 GRAND ST
 Client ID: MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum	2.32	N 0.010	0.0024	mg/L	03/29/14	LK	SW6010
Arsenic - LDL	0.005	0.004	0.001	mg/L	03/29/14	LK	SW6010
Barium	0.127	0.010	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium	122	0.010	0.003	mg/L	03/29/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt	0.011	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium	0.008	0.001	0.0009	mg/L	03/29/14	LK	SW6010
Copper	0.012	0.005	0.001	mg/L	03/29/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum (Dissolved)	3.08	N 0.01	0.0026	mg/L	03/29/14	LK	SW6010
Arsenic, (Dissolved)	0.011	0.003	0.001	mg/L	03/29/14	LK	SW6010
Barium (Dissolved)	0.122	0.011	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium (Dissolved)	127	0.01	0.003	mg/L	03/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt, (Dissolved)	0.012	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium (Dissolved)	0.006	0.001	0.0010	mg/L	03/29/14	LK	SW6010
Copper, (Dissolved)	0.007	0.005	0.001	mg/L	03/29/14	LK	SW6010
Iron, (Dissolved)	6.09	N 0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium (Dissolved)	9.5	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium (Dissolved)	67.1	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese, (Dissolved)	9.61	0.053	0.011	mg/L	03/29/14	LK	SW6010
Sodium (Dissolved)	109	1.1	1.1	mg/L	03/29/14	LK	SW6010
Nickel, (Dissolved)	0.022	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	N 0.003	0.003	mg/L	04/02/14	PS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.003	mg/L	03/31/14	RS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium, (Dissolved)	0.003	B 0.01	0.001	mg/L	03/29/14	LK	SW6010
Zinc, (Dissolved)	0.014	0.011	0.001	mg/L	03/29/14	LK	SW6010
Iron	11.0	0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium	9.0	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium	64.6	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese	9.52	0.050	0.010	mg/L	03/29/14	LK	SW6010
Sodium	101	1.0	1.0	mg/L	03/29/14	LK	SW6010
Nickel	0.023	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010
QC for AA	Completed				04/02/14	RS	
QC for Mercury	Completed				04/01/14	RS	
QC for ICP	Completed				03/28/14		SW6010
Antimony	< 0.003	0.003	0.002	mg/L	04/02/14	PS	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	0.004	B 0.010	0.001	mg/L	03/29/14	LK	SW6010
Zinc	0.019	0.010	0.001	mg/L	03/29/14	LK	SW6010
Filtration	Completed				03/27/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/28/14	I/I	SW7470
Mercury Digestion MS/MSD	Completed				03/28/14		SW7471
Mercury Digestion	Completed				03/28/14	I/I	SW7470
MS/MSD Ext. For PCB	Completed				03/28/14		
MS/MSD Ext. for Pesticide	Completed				03/28/14		
PCB Extraction	Completed				03/27/14	L/T	SW3510C
Extraction for Pest (2 Liter)	Completed				03/27/14	L	SW3510
Semi-Volatile Extraction	Completed				03/27/14	E/K/D	SW3520
MS/MSD Ext. for Semi-Vol.	Completed				03/28/14		
Dissolved Metals Preparation	Completed				03/27/14	AG	SW846-3005
Metals Digest MS/MSD	Completed				03/27/14		
Total Metals Digest MS/MSD	Completed				03/28/14		
Total Metals Digestion	Completed				03/27/14	AG	SW846 - 3050
Pesticides							
4,4' -DDD	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
4,4' -DDE	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
4,4' -DDT	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	03/28/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Alachlor	ND	0.076	0.076	ug/L	03/28/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	03/28/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	03/28/14	CE	SW8081
Chlordane	ND	0.050	0.050	ug/L	03/28/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	03/28/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	03/28/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Endrin	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/28/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Heptachlor	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Heptachlor epoxide	ND	0.010	0.010	ug/L	03/28/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	03/28/14	CE	SW8081
Toxaphene	ND	0.20	0.20	ug/L	03/28/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	52			%	03/28/14	CE	SW8081
%TCMX (Surrogate Rec)	76			%	03/28/14	CE	SW8081
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1221	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1232	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1242	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1248	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1254	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1260	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1262	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1268	ND	0.073	0.073	ug/L	03/28/14	AW	8082
<u>QA/QC Surrogates</u>							
% DCBP	57			%	03/28/14	AW	30 - 150 %
% TCMX	71			%	03/28/14	AW	30 - 150 %
QC for PCB	Completed				03/28/14	AW	
QC for Pesticides	Completed				03/28/14	CE	
<u>Volatiles</u>							
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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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	120	E 5.0	0.31	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/30/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/30/14	RM	SW8260
Bromobenzene	ND	1.0	0.20	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/30/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/30/14	RM	SW8260
Chloroform	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	1.1	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	0.32	JS 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	2.8	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	0.23	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

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Trichloroethene	0.85	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
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	89			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	105			%	03/30/14	RM	70 - 130 %
% Toluene-d8	98			%	03/30/14	RM	84 - 138 %
QC for Volatile					03/30/14	RM	
MS/MSD Volatiles					03/30/14	RM	
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	03/30/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	03/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Aniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Benzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	03/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	1	1	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	03/30/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	03/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	03/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	03/30/14	DD	SW 8270
Phenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	03/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	97			%	03/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	87			%	03/30/14	DD	30 - 115 %
% 2-Fluorophenol	64			%	03/30/14	DD	25 - 121 %
% Nitrobenzene-d5	84			%	03/30/14	DD	23 - 120 %
% Phenol-d5	65			%	03/30/14	DD	24 - 113 %
% Terphenyl-d14	89			%	03/30/14	DD	18 - 137 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.06	B	0.02	0.02	ug/L	DD	SW8270 (SIM) B*
Benzo(a)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	03/29/14	DD	SW8270 (SIM)
Chrysene	0.05	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	03/29/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	115			%	03/29/14	DD	19 - 122 %
% 2-Fluorobiphenyl	95			%	03/29/14	DD	30 - 115 %
% 2-Fluorophenol	76			%	03/29/14	DD	25 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Nitrobenzene-d5	107			%	03/29/14	DD	23 - 120 %
% Phenol-d5	79			%	03/29/14	DD	24 - 113 %
% Terphenyl-d14	101			%	03/29/14	DD	18 - 137 %
QC for Semi-Volatile	Completed				03/31/14		

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 LOD=Limit of Detection MDL=Method Detection Limit

Comments:

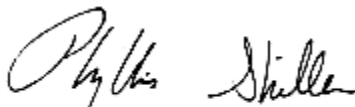
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:

E = Estimated value. Sample result was above the calibration range. There was insufficient sample for re-analysis because this sample was used for the MS and MSD. (This compound was also above the calibration range in the MS and MSD).

S- Laboratory Solvent.

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

May 07, 2014

Reviewed and Released by: Tina Covensky



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 07, 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: D
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

0:00
 15:48

Laboratory Data

SDG ID: GBG23801
 Phoenix ID: BG23802

Project ID: 845 GRAND ST
 Client ID: MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum	1.44	N 0.010	0.0024	mg/L	03/29/14	LK	SW6010
Arsenic - LDL	0.005	0.004	0.001	mg/L	03/29/14	LK	SW6010
Barium	0.093	0.010	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium	0.002	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium	154	0.10	0.030	mg/L	03/29/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt	0.005	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium	0.005	0.001	0.0009	mg/L	03/29/14	LK	SW6010
Copper	0.012	0.005	0.001	mg/L	03/29/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum (Dissolved)	0.55	N 0.01	0.0026	mg/L	03/29/14	LK	SW6010
Arsenic, (Dissolved)	0.005	0.003	0.001	mg/L	03/29/14	LK	SW6010
Barium (Dissolved)	0.091	0.011	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium (Dissolved)	157	0.01	0.003	mg/L	03/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt, (Dissolved)	0.004	B 0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	03/29/14	LK	SW6010
Copper, (Dissolved)	0.007	0.005	0.001	mg/L	03/29/14	LK	SW6010
Iron, (Dissolved)	0.48	N 0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium (Dissolved)	12.3	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium (Dissolved)	58.3	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese, (Dissolved)	2.97	0.053	0.011	mg/L	03/29/14	LK	SW6010
Sodium (Dissolved)	607	11	11	mg/L	03/31/14	EK	SW6010
Nickel, (Dissolved)	0.015	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	N 0.003	0.003	mg/L	04/02/14	PS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	PS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	03/29/14	LK	SW6010
Zinc, (Dissolved)	0.011	B 0.011	0.001	mg/L	03/29/14	LK	SW6010
Iron	3.89	0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium	11.0	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium	57.5	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese	2.85	0.050	0.010	mg/L	03/29/14	LK	SW6010
Sodium	582	10	10	mg/L	03/31/14	EK	SW6010
Nickel	0.018	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010
Antimony	< 0.003	0.003	0.002	mg/L	04/02/14	PS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	PS	7010
Thallium - LDL	0.0016	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium	0.006	B 0.010	0.001	mg/L	03/29/14	LK	SW6010
Zinc	0.039	0.010	0.001	mg/L	03/29/14	LK	SW6010
Filtration	Completed				03/27/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/28/14	I/I	SW7470
Mercury Digestion	Completed				03/28/14	I/I	SW7470
PCB Extraction	Completed				03/27/14	L/T	SW3510C
Extraction for Pest (2 Liter)	Completed				03/27/14	L	SW3510
Semi-Volatile Extraction	Completed				03/27/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/27/14	AG	SW846-3005
Total Metals Digestion	Completed				03/27/14	AG	SW846 - 3050

Pesticides

4,4' -DDD	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.40	0.40	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.008	0.008	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.081	0.081	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.008	0.008	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.054	0.054	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.027	0.027	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.54	0.54	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	1.1	1.1	ug/L	04/01/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1221	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1232	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1242	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1248	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1254	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1260	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1262	ND	0.077	0.077	ug/L	03/28/14	AW	8082
PCB-1268	ND	0.077	0.077	ug/L	03/28/14	AW	8082
<u>QA/QC Surrogates</u>							
% DCBP	79			%	03/28/14	AW	30 - 150 %
% TCMX	79			%	03/28/14	AW	30 - 150 %
<u>Volatiles</u>							
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	2.1	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	2.8	2.0	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	2.8	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	0.23	J	1.0	0.21	ug/L	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	100	D	7.0	1.9	ug/L	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	3.4	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	0.26	J 1.0	0.22	ug/L	03/30/14	RM	SW8260
m&p-Xylene	9.2	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	0.47	J 1.0	0.20	ug/L	03/30/14	RM	SW8260
o-Xylene	5.5	1.0	0.45	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	0.86	J 1.0	0.21	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	0.73	J 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	1.8	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	84	D 10	2.0	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
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	95			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	95			%	03/30/14	RM	70 - 130 %
% Toluene-d8	101			%	03/30/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	03/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Aniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Benzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	03/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	03/30/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	03/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	03/30/14	DD	SW 8270
Phenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	03/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	111			%	03/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	90			%	03/30/14	DD	30 - 115 %
% 2-Fluorophenol	59			%	03/30/14	DD	25 - 121 %
% Nitrobenzene-d5	>160			%	03/30/14	DD	23 - 120 % 3
% Phenol-d5	82			%	03/30/14	DD	24 - 113 %
% Terphenyl-d14	94			%	03/30/14	DD	18 - 137 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	1.6	ug/L	03/29/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.05	B 0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM) B*
Benzo(a)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Chrysene	0.04	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.5	1.6	ug/L	03/29/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	0.84	ug/L	03/29/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	112			%	03/29/14	DD	19 - 122 %
% 2-Fluorobiphenyl	92			%	03/29/14	DD	30 - 115 %
% 2-Fluorophenol	93			%	03/29/14	DD	25 - 121 %
% Nitrobenzene-d5	>160			%	03/29/14	DD	23 - 120 % 3
% Phenol-d5	106			%	03/29/14	DD	24 - 113 %
% Terphenyl-d14	106			%	03/29/14	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.
3 = This parameter exceeds laboratory specified limits.
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 LOD=Limit of Detection MDL=Method Detection Limit

Comments:

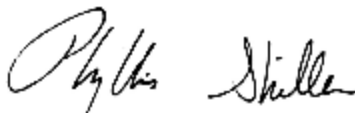
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:

One of the surrogate recoveries was above the upper range due to sample matrix interference. The other surrogates associated with this sample were within QA/QC criteria. No significant bias is suspected.

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

May 07, 2014

Reviewed and Released by: Tina Covensky



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 07, 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: D
 Received by: LPB
 Analyzed by: see "By" below

Date

03/26/14
 03/27/14

Time

0:00
 15:48

Laboratory Data

SDG ID: GBG23801
 Phoenix ID: BG23803

Project ID: 845 GRAND ST
 Client ID: MW 5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum	8.99	N 0.010	0.0024	mg/L	03/29/14	LK	SW6010
Arsenic - LDL	0.009	0.004	0.001	mg/L	03/29/14	LK	SW6010
Barium	0.077	0.010	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium	0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium	33.3	0.010	0.003	mg/L	03/29/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt	0.009	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium	0.024	0.001	0.0009	mg/L	03/29/14	LK	SW6010
Copper	0.037	0.005	0.001	mg/L	03/29/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum (Dissolved)	0.60	N 0.01	0.0026	mg/L	03/29/14	LK	SW6010
Arsenic, (Dissolved)	0.002	B 0.003	0.001	mg/L	03/29/14	LK	SW6010
Barium (Dissolved)	0.019	0.011	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium (Dissolved)	25.6	0.01	0.003	mg/L	03/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt, (Dissolved)	0.0004	B 0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium (Dissolved)	0.001	0.001	0.0010	mg/L	03/29/14	LK	SW6010
Copper, (Dissolved)	0.005	0.005	0.001	mg/L	03/29/14	LK	SW6010
Iron, (Dissolved)	0.82	N 0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium (Dissolved)	10.7	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium (Dissolved)	7.77	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese, (Dissolved)	0.048	0.005	0.001	mg/L	03/29/14	LK	SW6010
Sodium (Dissolved)	62.7	1.1	1.1	mg/L	03/29/14	LK	SW6010
Nickel, (Dissolved)	0.002	B 0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead (Dissolved)	0.002	B 0.002	0.001	mg/L	03/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	N 0.003	0.003	mg/L	04/02/14	PS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	PS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium, (Dissolved)	0.01	B 0.01	0.001	mg/L	03/29/14	LK	SW6010
Zinc, (Dissolved)	0.004	B 0.011	0.001	mg/L	03/29/14	LK	SW6010
Iron	30.2	0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium	11.6	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium	10.1	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese	0.444	0.005	0.001	mg/L	03/29/14	LK	SW6010
Sodium	57.3	1.0	1.0	mg/L	03/29/14	LK	SW6010
Nickel	0.018	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead	0.007	0.002	0.001	mg/L	03/29/14	LK	SW6010
Antimony	< 0.003	0.003	0.002	mg/L	04/02/14	PS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	PS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium	0.037	0.010	0.001	mg/L	03/29/14	LK	SW6010
Zinc	0.051	0.010	0.001	mg/L	03/29/14	LK	SW6010
Filtration	Completed				03/27/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/28/14	I/I	SW7470
Mercury Digestion	Completed				03/28/14	I/I	SW7470
PCB Extraction	Completed				03/27/14	L/T	SW3510C
Extraction for Pest (2 Liter)	Completed				03/27/14	L	SW3510
Semi-Volatile Extraction	Completed				03/27/14	E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/27/14	AG	SW846-3005
Total Metals Digestion	Completed				03/27/14	AG	SW846 - 3050

Pesticides

4,4' -DDD	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
4,4' -DDE	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
4,4' -DDT	ND	0.013	0.013	ug/L	04/01/14	CE	SW8081
a-BHC	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
a-chlordane	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Alachlor	ND	0.38	0.38	ug/L	04/01/14	CE	SW8081
Aldrin	ND	0.008	0.008	ug/L	04/01/14	CE	SW8081
b-BHC	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
Chlordane	ND	0.076	0.076	ug/L	04/01/14	CE	SW8081
d-BHC	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
Dieldrin	ND	0.008	0.008	ug/L	04/01/14	CE	SW8081
Endosulfan I	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Endosulfan II	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Endosulfan Sulfate	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Endrin	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
Endrin Aldehyde	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Endrin ketone	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
g-BHC (Lindane)	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
g-chlordane	ND	0.051	0.051	ug/L	04/01/14	CE	SW8081
Heptachlor	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
Heptachlor epoxide	ND	0.026	0.026	ug/L	04/01/14	CE	SW8081
Methoxychlor	ND	0.51	0.51	ug/L	04/01/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	1.0	1.0	ug/L	04/01/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
%TCMX (Surrogate Rec)	Diluted Out			%	04/01/14	CE	SW8081
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1221	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1232	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1242	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1248	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1254	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1260	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1262	ND	0.073	0.073	ug/L	03/28/14	AW	8082
PCB-1268	ND	0.073	0.073	ug/L	03/28/14	AW	8082
<u>QA/QC Surrogates</u>							
% DCBP	48			%	03/28/14	AW	30 - 150 %
% TCMX	75			%	03/28/14	AW	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
1,1,1-Trichloroethane	ND	5	0.95	ug/L	03/30/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.75	ug/L	03/30/14	RM	SW8260
1,1,2-Trichloroethane	ND	1	1.0	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethane	ND	5	1.2	ug/L	03/30/14	RM	SW8260
1,1-Dichloroethene	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
1,1-Dichloropropene	ND	5.0	1.0	ug/L	03/30/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/L	03/30/14	RM	SW8260
1,2,3-Trichloropropane	ND	1	1.1	ug/L	03/30/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	5.0	0.90	ug/L	03/30/14	RM	SW8260
1,2,4-Trimethylbenzene	490	D 40	7.2	ug/L	03/30/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1	1.8	ug/L	03/30/14	RM	SW8260
1,2-Dibromoethane	ND	1	1.0	ug/L	03/30/14	RM	SW8260
1,2-Dichlorobenzene	ND	3	0.80	ug/L	03/30/14	RM	SW8260
1,2-Dichloroethane	ND	1.0	1.0	ug/L	03/30/14	RM	SW8260
1,2-Dichloropropane	ND	1	0.90	ug/L	03/30/14	RM	SW8260
1,3,5-Trimethylbenzene	150	5.0	1.1	ug/L	03/30/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.95	ug/L	03/30/14	RM	SW8260
1,3-Dichloropropane	ND	5.0	1.1	ug/L	03/30/14	RM	SW8260
1,4-Dichlorobenzene	ND	5	0.95	ug/L	03/30/14	RM	SW8260
2,2-Dichloropropane	ND	5.0	0.80	ug/L	03/30/14	RM	SW8260
2-Chlorotoluene	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
2-Hexanone	ND	5.0	1.4	ug/L	03/30/14	RM	SW8260
2-Isopropyltoluene	1.3	J 5.0	1.1	ug/L	03/30/14	RM	SW8260
4-Chlorotoluene	ND	5.0	0.80	ug/L	03/30/14	RM	SW8260
4-Methyl-2-pentanone	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Acetone	ND	25	1.6	ug/L	03/30/14	RM	SW8260
Acrolein	ND	5	4.8	ug/L	03/30/14	RM	SW8260
Acrylonitrile	ND	5	0.85	ug/L	03/30/14	RM	SW8260
Benzene	ND	3.5	0.95	ug/L	03/30/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromobenzene	ND	5.0	1.0	ug/L	03/30/14	RM	SW8260
Bromochloromethane	ND	5.0	1.1	ug/L	03/30/14	RM	SW8260
Bromodichloromethane	ND	5.0	0.80	ug/L	03/30/14	RM	SW8260
Bromoform	ND	25	0.50	ug/L	03/30/14	RM	SW8260
Bromomethane	ND	5	1.3	ug/L	03/30/14	RM	SW8260
Carbon Disulfide	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Carbon tetrachloride	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Chlorobenzene	ND	5	1.0	ug/L	03/30/14	RM	SW8260
Chloroethane	ND	5	1.2	ug/L	03/30/14	RM	SW8260
Chloroform	ND	5	1.1	ug/L	03/30/14	RM	SW8260
Chloromethane	ND	5	1.1	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
cis-1,3-Dichloropropene	ND	1	0.75	ug/L	03/30/14	RM	SW8260
Dibromochloromethane	ND	5.0	0.75	ug/L	03/30/14	RM	SW8260
Dibromomethane	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	03/30/14	RM	SW8260
Ethylbenzene	1400	D 250	48	ug/L	03/31/14	RM	SW8260
Hexachlorobutadiene	ND	1	0.65	ug/L	03/30/14	RM	SW8260
Isopropylbenzene	51	5.0	1.1	ug/L	03/30/14	RM	SW8260
m&p-Xylene	1800	D 40	17	ug/L	03/30/14	RM	SW8260
Methyl ethyl ketone	ND	5.0	2.5	ug/L	03/30/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	5.0	0.95	ug/L	03/30/14	RM	SW8260
Methylene chloride	ND	5	0.80	ug/L	03/30/14	RM	SW8260
Naphthalene	390	D 40	7.6	ug/L	03/30/14	RM	SW8260
n-Butylbenzene	12	5.0	1.1	ug/L	03/30/14	RM	SW8260
n-Propylbenzene	150	5.0	1.0	ug/L	03/30/14	RM	SW8260
o-Xylene	390	D 40	18	ug/L	03/30/14	RM	SW8260
p-Isopropyltoluene	3.4	J 5.0	1.1	ug/L	03/30/14	RM	SW8260
sec-Butylbenzene	6.2	5.0	1.1	ug/L	03/30/14	RM	SW8260
Styrene	ND	5.0	2.1	ug/L	03/30/14	RM	SW8260
tert-Butylbenzene	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Tetrachloroethene	2.3	J 5.0	1.2	ug/L	03/30/14	RM	SW8260
Tetrahydrofuran (THF)	ND	25	2.6	ug/L	03/30/14	RM	SW8260
Toluene	1200	D 250	50	ug/L	03/31/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5	1.0	ug/L	03/30/14	RM	SW8260
trans-1,3-Dichloropropene	ND	1	0.70	ug/L	03/30/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	2.3	ug/L	03/30/14	RM	SW8260
Trichloroethene	ND	5.0	0.90	ug/L	03/30/14	RM	SW8260
Trichlorofluoromethane	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Trichlorotrifluoroethane	ND	5.0	1.2	ug/L	03/30/14	RM	SW8260
Vinyl chloride	ND	2	0.70	ug/L	03/30/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	103			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	94			%	03/30/14	RM	70 - 130 %
% Toluene-d8	100			%	03/30/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	25	7.6	ug/L	03/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	25	7.1	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	25	8.2	ug/L	03/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	25	7.4	ug/L	03/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	25	7.4	ug/L	03/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	25	14	ug/L	03/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	25	8.0	ug/L	03/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	25	8.8	ug/L	03/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	25	6.2	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	130	18	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	25	9.9	ug/L	03/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	25	7.9	ug/L	03/30/14	DD	SW 8270
2-Chloronaphthalene	ND	25	7.1	ug/L	03/30/14	DD	SW 8270
2-Chlorophenol	ND	25	7.1	ug/L	03/30/14	DD	SW 8270
2-Methylnaphthalene	32	25	7.5	ug/L	03/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	25	12	ug/L	03/30/14	DD	SW 8270
2-Nitroaniline	ND	130	25	ug/L	03/30/14	DD	SW 8270
2-Nitrophenol	ND	25	16	ug/L	03/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	25	9.9	ug/L	03/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	50	12	ug/L	03/30/14	DD	SW 8270
3-Nitroaniline	ND	130	54	ug/L	03/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	130	27	ug/L	03/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	25	7.4	ug/L	03/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	25	8.8	ug/L	03/30/14	DD	SW 8270
4-Chloroaniline	ND	50	12	ug/L	03/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	25	8.4	ug/L	03/30/14	DD	SW 8270
4-Nitroaniline	ND	130	8.4	ug/L	03/30/14	DD	SW 8270
4-Nitrophenol	ND	130	11	ug/L	03/30/14	DD	SW 8270
Acenaphthene	ND	25	7.6	ug/L	03/30/14	DD	SW 8270
Acetophenone	ND	25	7.8	ug/L	03/30/14	DD	SW 8270
Aniline	ND	130	75	ug/L	03/30/14	DD	SW 8270
Anthracene	ND	25	8.2	ug/L	03/30/14	DD	SW 8270
Benzidine	ND	50	15	ug/L	03/30/14	DD	SW 8270
Benzoic acid	ND	130	50	ug/L	03/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	25	6.5	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	25	6.9	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	25	6.8	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	25	7.0	ug/L	03/30/14	DD	SW 8270
Carbazole	ND	130	19	ug/L	03/30/14	DD	SW 8270
Dibenzofuran	ND	25	7.3	ug/L	03/30/14	DD	SW 8270
Diethyl phthalate	ND	25	7.9	ug/L	03/30/14	DD	SW 8270
Dimethylphthalate	ND	25	7.8	ug/L	03/30/14	DD	SW 8270
Di-n-butylphthalate	ND	25	6.7	ug/L	03/30/14	DD	SW 8270
Di-n-octylphthalate	ND	25	6.5	ug/L	03/30/14	DD	SW 8270
Fluoranthene	ND	25	8.1	ug/L	03/30/14	DD	SW 8270
Fluorene	ND	25	8.3	ug/L	03/30/14	DD	SW 8270
Hexachlorobutadiene	ND	25	9.1	ug/L	03/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	25	7.7	ug/L	03/30/14	DD	SW 8270
Isophorone	ND	25	7.0	ug/L	03/30/14	DD	SW 8270
Naphthalene	220	25	7.2	ug/L	03/30/14	DD	SW 8270
Nitrobenzene	ND	25	8.8	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	25	7.1	ug/L	03/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	25	8.1	ug/L	03/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	25	9.6	ug/L	03/30/14	DD	SW 8270
Phenol	ND	25	8.0	ug/L	03/30/14	DD	SW 8270
Pyrene	ND	25	8.6	ug/L	03/30/14	DD	SW 8270
Pyridine	ND	50	6.2	ug/L	03/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	diluted out			%	03/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	diluted out			%	03/30/14	DD	30 - 115 %
% 2-Fluorophenol	diluted out			%	03/30/14	DD	25 - 121 %
% Nitrobenzene-d5	diluted out			%	03/30/14	DD	23 - 120 %
% Phenol-d5	diluted out			%	03/30/14	DD	24 - 113 %
% Terphenyl-d14	diluted out			%	03/30/14	DD	18 - 137 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.5	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.04	B 0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM) B*
Benzo(a)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.02	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	1.4	ug/L	03/29/14	DD	SW8270 (SIM)
Chrysene	0.03	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	0.80	ug/L	03/29/14	DD	SW8270 (SIM)
Phenanthrene	0.10	0.10	0.10	ug/L	03/29/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	107			%	03/29/14	DD	19 - 122 %
% 2-Fluorobiphenyl	80			%	03/29/14	DD	30 - 115 %
% 2-Fluorophenol	83			%	03/29/14	DD	25 - 121 %
% Nitrobenzene-d5	125			%	03/29/14	DD	23 - 120 %
% Phenol-d5	72			%	03/29/14	DD	24 - 113 %
% Terphenyl-d14	102			%	03/29/14	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.
3 = This parameter exceeds laboratory specified limits.
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 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.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Semi-Volatile Full scan Analysis 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.

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

May 07, 2014

Reviewed and Released by: Tina Covensky



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 07, 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: D
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

0:00
 15:48

Laboratory Data

SDG ID: GBG23801
 Phoenix ID: BG23804

Project ID: 845 GRAND ST
 Client ID: GW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum	0.220	N 0.010	0.0024	mg/L	03/29/14	LK	SW6010
Arsenic - LDL	0.004	B 0.004	0.001	mg/L	03/29/14	LK	SW6010
Barium	0.126	0.010	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium	130	0.010	0.003	mg/L	03/29/14	LK	SW6010
Cadmium	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt	0.021	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium	0.001	0.001	0.0009	mg/L	03/29/14	LK	SW6010
Copper	0.003	B 0.005	0.001	mg/L	03/29/14	LK	SW6010
Silver (Dissolved)	< 0.005	0.005	0.005	mg/L	03/29/14	LK	SW6010
Aluminum (Dissolved)	< 0.01	N 0.01	0.0026	mg/L	03/29/14	LK	SW6010
Arsenic, (Dissolved)	0.005	0.003	0.001	mg/L	03/29/14	LK	SW6010
Barium (Dissolved)	0.127	0.011	0.0003	mg/L	03/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	03/29/14	LK	SW6010
Calcium (Dissolved)	129	0.01	0.003	mg/L	03/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.004	0.004	0.0002	mg/L	03/29/14	LK	SW6010
Cobalt, (Dissolved)	0.020	0.005	0.0003	mg/L	03/29/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0010	mg/L	03/29/14	LK	SW6010
Copper, (Dissolved)	0.003	B 0.005	0.001	mg/L	03/29/14	LK	SW6010
Iron, (Dissolved)	0.08	N 0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium (Dissolved)	9.2	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium (Dissolved)	70.4	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese, (Dissolved)	14.2	0.053	0.011	mg/L	03/29/14	LK	SW6010
Sodium (Dissolved)	121	1.1	1.1	mg/L	03/29/14	LK	SW6010
Nickel, (Dissolved)	0.031	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony, (Dissolved)	< 0.003	N 0.003	0.003	mg/L	04/02/14	PS	7010
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	03/31/14	PS	7010
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium, (Dissolved)	< 0.01	0.01	0.001	mg/L	03/29/14	LK	SW6010
Zinc, (Dissolved)	0.006	B 0.011	0.001	mg/L	03/29/14	LK	SW6010
Iron	1.01	0.01	0.005	mg/L	03/29/14	LK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	03/28/14	RS	SW7470
Potassium	8.6	0.1	0.1	mg/L	03/29/14	LK	SW6010
Magnesium	71.2	0.01	0.001	mg/L	03/29/14	LK	SW6010
Manganese	14.0	0.050	0.010	mg/L	03/29/14	LK	SW6010
Sodium	120	1.0	1.0	mg/L	03/29/14	LK	SW6010
Nickel	0.032	0.004	0.0005	mg/L	03/29/14	LK	SW6010
Lead	< 0.002	0.002	0.001	mg/L	03/29/14	LK	SW6010
Antimony	< 0.003	0.003	0.002	mg/L	04/02/14	PS	7010
Selenium	< 0.004	0.004	0.001	mg/L	03/31/14	PS	7010
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	03/28/14	RS	7010
Vanadium	< 0.010	0.010	0.001	mg/L	03/29/14	LK	SW6010
Zinc	0.005	B 0.010	0.001	mg/L	03/29/14	LK	SW6010
Filtration	Completed				03/27/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				03/28/14	I/I	SW7470
Mercury Digestion	Completed				03/28/14	I/I	SW7470
PCB Extraction	Completed				03/27/14	L/T	SW3510C
Extraction for Pest (2 Liter)	Completed				03/27/14	L	SW3510
Semi-Volatile Extraction	Completed					E/K/D	SW3520
Dissolved Metals Preparation	Completed				03/27/14	AG	SW846-3005
Total Metals Digestion	Completed				03/27/14	AG	SW846 - 3050

Pesticides

4,4' -DDD	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
4,4' -DDE	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
4,4' -DDT	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
a-BHC	ND	0.005	0.005	ug/L	03/29/14	CE	SW8081
a-chlordane	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Alachlor	ND	0.079	0.079	ug/L	03/29/14	CE	SW8081
Aldrin	ND	0.002	0.002	ug/L	03/29/14	CE	SW8081
b-BHC	ND	0.005	0.005	ug/L	03/29/14	CE	SW8081
Chlordane	ND	0.032	0.032	ug/L	03/29/14	CE	SW8081
d-BHC	ND	0.005	0.005	ug/L	03/29/14	CE	SW8081
Dieldrin	ND	0.002	0.002	ug/L	03/29/14	CE	SW8081
Endosulfan I	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Endosulfan II	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Endosulfan Sulfate	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Endrin	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Endrin Aldehyde	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Endrin ketone	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
g-BHC (Lindane)	ND	0.005	0.005	ug/L	03/29/14	CE	SW8081
g-chlordane	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Heptachlor	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Heptachlor epoxide	ND	0.010	0.010	ug/L	03/29/14	CE	SW8081
Methoxychlor	ND	0.10	0.10	ug/L	03/29/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Toxaphene	ND	0.21	0.21	ug/L	03/29/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	65			%	03/29/14	CE	SW8081
%TCMX (Surrogate Rec)	76			%	03/29/14	CE	SW8081
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1221	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1232	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1242	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1248	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1254	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1260	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1262	ND	0.076	0.076	ug/L	03/28/14	AW	8082
PCB-1268	ND	0.076	0.076	ug/L	03/28/14	AW	8082
<u>QA/QC Surrogates</u>							
% DCBP	53			%	03/28/14	AW	30 - 150 %
% TCMX	70			%	03/28/14	AW	30 - 150 %
<u>Volatiles</u>							
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	0.63	J 2.0	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	52	DS 25	1.6	ug/L	03/31/14	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	0.22	J 5.0	0.21	ug/L	03/30/14	RM	SW8260
cis-1,2-Dichloroethene	2.0	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)	0.67	J 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	3.0	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	0.48	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	1.3	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
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	03/30/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	03/30/14	RM	59 - 113 %
% Dibromofluoromethane	102			%	03/30/14	RM	70 - 130 %
% Toluene-d8	99			%	03/30/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	3	1.4	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	3	1.5	ug/L	03/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
2-Chloronaphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
2-Chlorophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Methylnaphthalene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1	1	ug/L	03/30/14	DD	SW 8270
2-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
2-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0	2.0	ug/L	03/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
3-Nitroaniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
4-Chloroaniline	ND	5	2.3	ug/L	03/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitroaniline	ND	5	1.7	ug/L	03/30/14	DD	SW 8270
4-Nitrophenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Acenaphthene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Acetophenone	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Aniline	ND	5	5	ug/L	03/30/14	DD	SW 8270
Anthracene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Benzidine	ND	5	5	ug/L	03/30/14	DD	SW 8270
Benzoic acid	ND	25	10	ug/L	03/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1	1	ug/L	03/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Carbazole	ND	25	3.8	ug/L	03/30/14	DD	SW 8270
Dibenzofuran	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Diethyl phthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Dimethylphthalate	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Di-n-butylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Di-n-octylphthalate	ND	5.0	1.3	ug/L	03/30/14	DD	SW 8270
Fluoranthene	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
Fluorene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Hexachlorobutadiene	ND	0.5	0.5	ug/L	03/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	03/30/14	DD	SW 8270
Isophorone	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Naphthalene	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
Nitrobenzene	ND	0.4	0.4	ug/L	03/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	5.0	1.4	ug/L	03/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	03/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	03/30/14	DD	SW 8270
Phenol	ND	1	1	ug/L	03/30/14	DD	SW 8270
Pyrene	ND	5.0	1.7	ug/L	03/30/14	DD	SW 8270
Pyridine	ND	10	1.2	ug/L	03/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	99			%	03/30/14	DD	19 - 122 %
% 2-Fluorobiphenyl	86			%	03/30/14	DD	30 - 115 %
% 2-Fluorophenol	61			%	03/30/14	DD	25 - 121 %
% Nitrobenzene-d5	82			%	03/30/14	DD	23 - 120 %
% Phenol-d5	63			%	03/30/14	DD	24 - 113 %
% Terphenyl-d14	92			%	03/30/14	DD	18 - 137 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1.6	1.6	ug/L	03/29/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	B 0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM) B*
Benzo(a)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	1.5	ug/L	03/29/14	DD	SW8270 (SIM)
Chrysene	0.02	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Hexachloroethane	ND	2.5	1.6	ug/L	03/29/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84	0.84	ug/L	03/29/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.11	0.11	ug/L	03/29/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	117			%	03/29/14	DD	19 - 122 %
% 2-Fluorobiphenyl	92			%	03/29/14	DD	30 - 115 %
% 2-Fluorophenol	69			%	03/29/14	DD	25 - 121 %
% Nitrobenzene-d5	103			%	03/29/14	DD	23 - 120 %
% Phenol-d5	71			%	03/29/14	DD	24 - 113 %
% Terphenyl-d14	106			%	03/29/14	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.
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 LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

May 07, 2014

Reviewed and Released by: Tina Covensky



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 07, 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: D
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

0:00
 15:48

Laboratory Data

SDG ID: GBG23801
 Phoenix ID: BG23805

Project ID: 845 GRAND ST
 Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	03/29/14	RM	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	03/29/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	03/29/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	03/29/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	03/29/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	03/29/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	03/29/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	03/29/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	03/29/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	03/29/14	RM	SW8260
1,2-Dichloroethane	ND	0.6	0.20	ug/L	03/29/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	03/29/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	03/29/14	RM	SW8260
1,3-Dichlorobenzene	ND	3	0.19	ug/L	03/29/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	03/29/14	RM	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	03/29/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	03/29/14	RM	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	03/29/14	RM	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	03/29/14	RM	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	03/29/14	RM	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	03/29/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	ND	5.0	0.31	ug/L	03/29/14	RM	SW8260
Acrolein	ND	5.0	0.95	ug/L	03/29/14	RM	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	03/29/14	RM	SW8260
Benzene	ND	0.70	0.19	ug/L	03/29/14	RM	SW8260
Bromobenzene	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	03/29/14	RM	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	03/29/14	RM	SW8260
Bromoform	ND	5.0	0.10	ug/L	03/29/14	RM	SW8260
Bromomethane	ND	5.0	0.25	ug/L	03/29/14	RM	SW8260
Carbon Disulfide	ND	1.0	0.24	ug/L	03/29/14	RM	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	03/29/14	RM	SW8260
Chloroethane	ND	5.0	0.24	ug/L	03/29/14	RM	SW8260
Chloroform	ND	5.0	0.22	ug/L	03/29/14	RM	SW8260
Chloromethane	ND	5.0	0.21	ug/L	03/29/14	RM	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	03/29/14	RM	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	03/29/14	RM	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	03/29/14	RM	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	03/29/14	RM	SW8260
Hexachlorobutadiene	ND	0.5	0.13	ug/L	03/29/14	RM	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	03/29/14	RM	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	03/29/14	RM	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	03/29/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	0.19	ug/L	03/29/14	RM	SW8260
Methylene chloride	0.26	JS 3.0	0.16	ug/L	03/29/14	RM	SW8260
Naphthalene	ND	1.0	0.19	ug/L	03/29/14	RM	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	03/29/14	RM	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
o-Xylene	ND	1.0	0.45	ug/L	03/29/14	RM	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	03/29/14	RM	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	03/29/14	RM	SW8260
Styrene	ND	1.0	0.41	ug/L	03/29/14	RM	SW8260
tert-Butylbenzene	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
Tetrachloroethene	ND	1.0	0.24	ug/L	03/29/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	03/29/14	RM	SW8260
Toluene	ND	1.0	0.20	ug/L	03/29/14	RM	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	03/29/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	03/29/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	03/29/14	RM	SW8260
Trichloroethene	ND	1.0	0.18	ug/L	03/29/14	RM	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	03/29/14	RM	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	03/29/14	RM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	03/29/14	RM	70 - 121 %
% Bromofluorobenzene	93			%	03/29/14	RM	59 - 113 %
% Dibromofluoromethane	97			%	03/29/14	RM	70 - 130 %

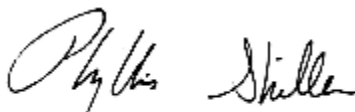
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	101			%	03/29/14	RM	84 - 138 %

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

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

Comments:

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

May 07, 2014

Reviewed and Released by: Tina Covensky



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QA/QC Report

May 07, 2014

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269942, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)												
<u>ICP Metals - Aqueous</u>												
Aluminum	BRL	2.32	2.31	0.40	97.3	99.7	2.4	>130	>130	NC	80 - 120	20 m
Arsenic	BRL	0.005	0.004 B	NC	96.9	97.8	0.9	104	101	2.9	80 - 120	20
Barium	BRL	0.127	0.124	2.40	101	103	2.0	102	101	1.0	80 - 120	20
Beryllium	BRL	<0.001	<0.001	NC	102	102	0.0	103	101	2.0	80 - 120	20
Cadmium	BRL	<0.004	<0.001	NC	101	101	0.0	97.1	96.0	1.1	80 - 120	20
Calcium	BRL	122	120	1.70	102	102	0.0	NC	NC	NC	80 - 120	20
Chromium	BRL	0.008	0.008	0	98.8	99.6	0.8	98.5	96.4	2.2	80 - 120	20
Cobalt	BRL	0.011	0.011	NC	103	104	1.0	101	98.8	2.2	80 - 120	20
Copper	BRL	0.012	0.011	NC	102	104	1.9	105	103	1.9	80 - 120	20
Iron	BRL	11.0	10.8	1.80	101	101	0.0	NC	NC	NC	80 - 120	20
Lead	BRL	<0.002	0.001 B	NC	100	100	0.0	98.1	96.1	2.1	80 - 120	20
Magnesium	BRL	64.6	63.2	2.20	103	104	1.0	NC	NC	NC	80 - 120	20
Manganese	BRL	9.52	9.20	3.40	101	101	0.0	NC	NC	NC	80 - 120	20
Nickel	BRL	0.023	0.024	4.30	102	103	1.0	98.4	96.2	2.3	80 - 120	20
Potassium	BRL	9.0	8.8	2.20	104	108	3.8	117	113	3.5	80 - 120	20
Silver	BRL	<0.005	<0.001	NC	99.0	100	1.0	106	104	1.9	80 - 120	20
Sodium	BRL	101	98.9	2.10	108	113	4.5	NC	NC	NC	80 - 120	20
Vanadium	BRL	0.004	0.005	NC	99.4	100	0.6	102	99.9	2.1	80 - 120	20
Zinc	BRL	0.019	0.019	NC	99.5	99.8	0.3	101	99.0	2.0	80 - 120	20

QA/QC Batch 269925, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)

ICP Metals - Dissolved

Aluminum	BRL	3.08	3.37	9.00	98.3	97.8	0.5	>130	>130	NC	80 - 120	20 m
Arsenic	BRL	0.011	0.011	NC	96.8	96.7	0.1	99.7	96.6	3.2	80 - 120	20
Barium	BRL	0.122	0.121	0.80	102	103	1.0	98.0	94.6	3.5	80 - 120	20
Beryllium	BRL	<0.001	<0.001	NC	101	101	0.0	99.5	95.9	3.7	80 - 120	20
Cadmium	BRL	<0.004	<0.001	NC	102	102	0.0	95.0	93.0	2.1	80 - 120	20
Calcium	BRL	127	126	0.80	102	103	1.0	NC	NC	NC	80 - 120	20
Chromium	BRL	0.006	0.006	0	100	101	1.0	96.3	93.7	2.7	80 - 120	20
Cobalt	BRL	0.012	0.012	NC	105	105	0.0	98.5	95.5	3.1	80 - 120	20
Copper	BRL	0.007	0.007	NC	102	103	1.0	101	98.6	2.4	80 - 120	20
Iron	BRL	6.09	6.24	2.40	102	102	0.0	>130	>130	NC	80 - 120	20 m
Lead	BRL	<0.002	<0.002	NC	102	102	0.0	95.4	92.7	2.9	80 - 120	20
Magnesium	BRL	67.1	67.4	0.40	105	105	0.0	NC	NC	NC	80 - 120	20
Manganese	BRL	9.61	9.75	1.40	102	102	0.0	NC	NC	NC	80 - 120	20
Nickel	BRL	0.022	0.022	0	104	104	0.0	95.9	93.1	3.0	80 - 120	20
Potassium	BRL	9.5	9.4	1.10	104	102	1.9	107	102	4.8	80 - 120	20
Silver	BRL	<0.005	<0.001	NC	99.6	99.9	0.3	101	98.6	2.4	80 - 120	20
Sodium	BRL	109	110	0.90	105	104	1.0	NC	NC	NC	80 - 120	20
Vanadium	BRL	0.00	0.004	NC	101	101	0.0	99.2	96.3	3.0	80 - 120	20
Zinc	BRL	0.014	0.014	NC	99.7	99.7	0.0	99.3	96.6	2.8	80 - 120	20

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 269965, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Mercury (Dissolved) - Water	BRL	<0.0002	<0.0002	NC	107	107	0.0	106	105	0.9	75 - 125	20	
QA/QC Batch 269966, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Mercury (Dissolved) - Water	BRL	<0.0002	<0.0002	NC	107	107	0.0	106	105	0.9	75 - 125	20	
QA/QC Batch 269965, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	105	105	0.0	107	104	2.8	75 - 125	20	
QA/QC Batch 269966, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	105	105	0.0	107	104	2.8	75 - 125	20	
QA/QC Batch 269926, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Antimony (Dissolved)	BRL	<0.003	<0.005	NC	97.4	94.2	3.3	70.8	70.7	0.1	75 - 125	20	m
Selenium (Dissolved)	BRL	<0.004	0.002 B	NC	111	112	0.9	95.6	94.4	1.3	75 - 125	20	
Thallium (Dissolved)	BRL	<0.002	<0.005	NC	104	101	2.9	92.2	93.5	1.4	75 - 125	20	
QA/QC Batch 269943, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)													
Antimony - Water	BRL	<0.003	<0.005	NC	90.2			82.6	84.2	1.9	75 - 125	20	
Selenium - Water	BRL	<0.004	<0.010	NC	99.2	101	1.8	93.7	93.3	0.4	75 - 125	20	
Thallium - Water	BRL	<0.002	<0.002	NC	116	109	6.2	107	98.2	8.6	75 - 125	20	

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



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QA/QC Report

May 07, 2014

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269920, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)									
<u>Pesticides - Ground Water</u>									
4,4' -DDD	ND	129	135	4.5				30 - 150	20
4,4' -DDE	ND	111	113	1.8				50 - 150	20
4,4' -DDT	ND	108	111	2.7				30 - 150	27
a-BHC	ND	79	80	1.3				30 - 150	20
a-Chlordane	ND	98	98	0.0				30 - 150	20
Alachlor	ND	NA	NA	NC				30 - 150	20
Aldrin	ND	88	89	1.1				30 - 150	22
b-BHC	ND	97	99	2.0				30 - 150	20
Chlordane	ND	NA	NA	NC				30 - 150	20
d-BHC	ND	<40	<40	NC				30 - 150	20
Dieldrin	ND	100	100	0.0				30 - 130	18
Endosulfan I	ND	101	101	0.0				30 - 150	20
Endosulfan II	ND	102	105	2.9				30 - 150	20
Endosulfan sulfate	ND	70	73	4.2				50 - 120	20
Endrin	ND	103	104	1.0				50 - 120	21
Endrin aldehyde	ND	118	125	5.8				30 - 150	20
Endrin ketone	ND	105	107	1.9				30 - 150	20
g-BHC	ND	83	84	1.2				50 - 120	15
g-Chlordane	ND	100	100	0.0				30 - 130	20
Heptachlor	ND	93	93	0.0				30 - 150	20
Heptachlor epoxide	ND	98	98	0.0				50 - 150	20
Methoxychlor	ND	114	118	3.4				30 - 150	20
Toxaphene	ND	NA	NA	NC				30 - 150	20
% DCBP	73	103	105	1.9				30 - 150	20
% TCMX	61	103	102	1.0				30 - 150	20

QA/QC Batch 269918, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	97	102	5.0				30 - 120	20
PCB-1221	ND							30 - 150	20
PCB-1232	ND							30 - 150	20
PCB-1242	ND							30 - 150	20
PCB-1248	ND							30 - 150	20
PCB-1254	ND							30 - 150	20
PCB-1260	ND	93	99	6.3				30 - 150	20
PCB-1262	ND							30 - 150	20
PCB-1268	ND							30 - 150	20
% DCBP (Surrogate Rec)	61	79	90	13.0				30 - 150	20
% TCMX (Surrogate Rec)	57	79	87	9.6				30 - 150	20

Comment:

Batch MS/MSD was not reported. No spike appears to have been added.

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 270125, QC Sample No: BG23801 (BG23801, BG23802, BG23803 (5X) , BG23805)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	114	115	0.9	129	134	3.8	70 - 130	30	m
1,1,1-Trichloroethane	ND	112	107	4.6	124	128	3.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	89	99	10.6	113	110	2.7	70 - 130	30	
1,1,2-Trichloroethane	ND	100	108	7.7	118	117	0.9	70 - 130	30	
1,1-Dichloroethane	ND	104	99	4.9	115	118	2.6	70 - 130	30	
1,1-Dichloroethene	ND	109	99	9.6	120	122	1.7	70 - 130	30	
1,1-Dichloropropene	ND	127	115	9.9	139	139	0.0	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	107	116	8.1	107	110	2.8	70 - 130	30	
1,2,3-Trichloropropane	ND	92	102	10.3	90	89	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	105	109	3.7	105	107	1.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	116	104	10.9	110	109	0.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	95	108	12.8	115	117	1.7	70 - 130	30	
1,2-Dibromoethane	ND	97	109	11.7	114	115	0.9	70 - 130	30	
1,2-Dichlorobenzene	ND	100	100	0.0	108	105	2.8	70 - 130	30	
1,2-Dichloroethane	ND	111	115	3.5	131	131	0.0	70 - 130	30	m
1,2-Dichloropropane	ND	100	102	2.0	111	110	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	100	12.2	111	110	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	103	99	4.0	106	104	1.9	70 - 130	30	
1,3-Dichloropropane	ND	111	116	4.4	129	129	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	103	99	4.0	107	106	0.9	70 - 130	30	
2,2-Dichloropropane	ND	109	101	7.6	104	106	1.9	70 - 130	30	
2-Chlorotoluene	ND	109	97	11.7	112	110	1.8	70 - 130	30	
2-Hexanone	ND	91	100	9.4	118	117	0.9	70 - 130	30	
2-Isopropyltoluene	ND	111	98	12.4	112	111	0.9	70 - 130	30	
4-Chlorotoluene	ND	111	100	10.4	111	109	1.8	70 - 130	30	
4-Methyl-2-pentanone	ND	95	110	14.6	118	118	0.0	70 - 130	30	
Acetone	ND	96	118	20.6	NC	NC	NC	70 - 130	30	
Acrolein	ND	93	110	16.7	108	108	0.0	70 - 130	30	
Acrylonitrile	ND	87	104	17.8	107	117	8.9	70 - 130	30	
Benzene	ND	107	102	4.8	119	121	1.7	70 - 130	30	
Bromobenzene	ND	103	97	6.0	109	110	0.9	70 - 130	30	
Bromochloromethane	ND	98	101	3.0	117	119	1.7	70 - 130	30	
Bromodichloromethane	ND	98	101	3.0	114	116	1.7	70 - 130	30	
Bromoform	ND	99	108	8.7	111	117	5.3	70 - 130	30	
Bromomethane	ND	122	113	7.7	122	133	8.6	70 - 130	30	m
Carbon Disulfide	ND	90	81	10.5	112	118	5.2	70 - 130	30	
Carbon tetrachloride	ND	116	109	6.2	128	132	3.1	70 - 130	30	m
Chlorobenzene	ND	107	101	5.8	116	117	0.9	70 - 130	30	
Chloroethane	ND	107	102	4.8	121	122	0.8	70 - 130	30	
Chloroform	ND	101	100	1.0	117	118	0.9	70 - 130	30	
Chloromethane	ND	103	98	5.0	109	113	3.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	101	100	1.0	128	129	0.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	99	104	4.9	114	115	0.9	70 - 130	30	
Dibromochloromethane	ND	104	109	4.7	117	119	1.7	70 - 130	30	
Dibromomethane	ND	96	105	9.0	112	116	3.5	70 - 130	30	
Dichlorodifluoromethane	ND	127	119	6.5	109	117	7.1	70 - 130	30	
Ethylbenzene	ND	113	102	10.2	120	120	0.0	70 - 130	30	
Hexachlorobutadiene	ND	118	105	11.7	112	110	1.8	70 - 130	30	
Isopropylbenzene	ND	118	103	13.6	120	120	0.0	70 - 130	30	
m&p-Xylene	ND	113	103	9.3	116	118	1.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methyl ethyl ketone	ND	84	94	11.2	122	117	4.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	91	105	14.3	130	130	0.0	70 - 130	30
Methylene chloride	ND	89	92	3.3	104	105	1.0	70 - 130	30
Naphthalene	ND	104	116	10.9	115	115	0.0	70 - 130	30
n-Butylbenzene	ND	122	107	13.1	109	109	0.0	70 - 130	30
n-Propylbenzene	ND	122	105	15.0	115	114	0.9	70 - 130	30
o-Xylene	ND	107	100	6.8	120	123	2.5	70 - 130	30
p-Isopropyltoluene	ND	120	106	12.4	115	114	0.9	70 - 130	30
sec-Butylbenzene	ND	130	114	13.1	99	98	1.0	70 - 130	30
Styrene	ND	105	100	4.9	106	108	1.9	70 - 130	30
tert-Butylbenzene	ND	118	103	13.6	117	118	0.9	70 - 130	30
Tetrachloroethene	ND	118	104	12.6	137	138	0.7	70 - 130	30
Tetrahydrofuran (THF)	ND	79	104	27.3	112	111	0.9	70 - 130	30
Toluene	ND	105	100	4.9	116	115	0.9	70 - 130	30
trans-1,2-Dichloroethene	ND	103	95	8.1	118	118	0.0	70 - 130	30
trans-1,3-Dichloropropene	ND	94	101	7.2	111	110	0.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	92	102	10.3	90	89	1.1	70 - 130	30
Trichloroethene	ND	114	105	8.2	129	132	2.3	70 - 130	30
Trichlorofluoromethane	ND	114	108	5.4	120	117	2.5	70 - 130	30
Trichlorotrifluoroethane	ND	114	113	0.9	126	131	3.9	70 - 130	30
Vinyl chloride	ND	112	106	5.5	114	118	3.4	70 - 130	30
% 1,2-dichlorobenzene-d4	102	99	102	3.0	103	99	4.0	70 - 121	30
% Bromofluorobenzene	93	96	99	3.1	100	101	1.0	59 - 113	30
% Dibromofluoromethane	102	94	99	5.2	94	56	50.7	70 - 130	30
% Toluene-d8	99	97	99	2.0	98	97	1.0	84 - 138	30

m

m

m,r

QA/QC Batch 269914, QC Sample No: BG23801 (BG23801, BG23802, BG23803, BG23804)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	80	77	3.8	75	78	3.9	30 - 130	20
1,2,4-Trichlorobenzene	ND	75	74	1.3	72	74	2.7	30 - 130	20
1,2-Dichlorobenzene	ND	74	73	1.4	71	72	1.4	30 - 130	20
1,2-Diphenylhydrazine	ND	80	81	1.2	82	83	1.2	30 - 130	20
1,3-Dichlorobenzene	ND	73	73	0.0	69	72	4.3	30 - 130	20
1,4-Dichlorobenzene	ND	73	72	1.4	69	71	2.9	30 - 130	20
2,4,5-Trichlorophenol	ND	90	89	1.1	89	92	3.3	30 - 130	20
2,4,6-Trichlorophenol	ND	87	87	0.0	87	89	2.3	30 - 130	20
2,4-Dichlorophenol	ND	84	82	2.4	81	83	2.4	30 - 130	20
2,4-Dimethylphenol	ND	51	51	0.0	49	50	2.0	30 - 130	20
2,4-Dinitrophenol	ND	79	89	11.9	102	103	1.0	30 - 130	20
2,4-Dinitrotoluene	ND	81	80	1.2	83	84	1.2	30 - 130	20
2,6-Dinitrotoluene	ND	84	82	2.4	83	85	2.4	30 - 130	20
2-Chloronaphthalene	ND	82	81	1.2	79	81	2.5	30 - 130	20
2-Chlorophenol	ND	74	73	1.4	70	73	4.2	30 - 130	20
2-Methylnaphthalene	ND	81	79	2.5	78	80	2.5	30 - 130	20
2-Methylphenol (o-cresol)	ND	70	70	0.0	68	70	2.9	30 - 130	20
2-Nitroaniline	ND	104	111	6.5	99	96	3.1	30 - 130	20
2-Nitrophenol	ND	79	77	2.6	78	79	1.3	30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	71	69	2.9	68	71	4.3	30 - 130	20
3,3'-Dichlorobenzidine	ND	112	109	2.7	71	67	5.8	30 - 130	20
3-Nitroaniline	ND	92	94	2.2	79	80	1.3	30 - 130	20
4,6-Dinitro-2-methylphenol	ND	89	94	5.5	101	102	1.0	30 - 130	20
4-Bromophenyl phenyl ether	ND	86	86	0.0	81	87	7.1	30 - 130	20
4-Chloro-3-methylphenol	ND	87	86	1.2	85	88	3.5	30 - 130	20

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Chloroaniline	ND	63	63	0.0	55	54	1.8	30 - 130	20
4-Chlorophenyl phenyl ether	ND	82	80	2.5	80	82	2.5	30 - 130	20
4-Nitroaniline	ND	83	84	1.2	84	85	1.2	30 - 130	20
4-Nitrophenol	ND	79	80	1.3	91	90	1.1	30 - 130	20
Acenaphthene	ND	80	79	1.3	79	80	1.3	30 - 130	20
Acenaphthylene	ND	78	77	1.3	76	78	2.6	30 - 130	20
Acetophenone	ND	86	84	2.4	82	85	3.6	30 - 130	20
Aniline	ND	83	82	1.2	63	66	4.7	30 - 130	20
Anthracene	ND	80	81	1.2	79	81	2.5	30 - 130	20
Benz(a)anthracene	0.02 B	84	84	0.0	83	85	2.4	30 - 130	20
Benzidine	ND	19	16	17.1	<5	<5	NC	30 - 130	20
Benzo(a)pyrene	ND	74	74	0.0	72	76	5.4	30 - 130	20
Benzo(b)fluoranthene	ND	81	81	0.0	80	85	6.1	30 - 130	20
Benzo(ghi)perylene	ND	86	85	1.2	83	82	1.2	30 - 130	20
Benzo(k)fluoranthene	ND	85	86	1.2	82	84	2.4	30 - 130	20
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC	30 - 130	20
Benzyl butyl phthalate	ND	91	88	3.4	89	91	2.2	30 - 130	20
Bis(2-chloroethoxy)methane	ND	77	77	0.0	76	77	1.3	30 - 130	20
Bis(2-chloroethyl)ether	ND	74	73	1.4	71	74	4.1	30 - 130	20
Bis(2-chloroisopropyl)ether	ND	75	75	0.0	73	74	1.4	30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	93	89	4.4	91	96	5.3	30 - 130	20
Carbazole	ND	87	91	4.5	93	93	0.0	30 - 130	20
Chrysene	ND	84	84	0.0	84	86	2.4	30 - 130	20
Dibenz(a,h)anthracene	ND	84	84	0.0	81	81	0.0	30 - 130	20
Dibenzofuran	ND	79	79	0.0	78	80	2.5	30 - 130	20
Diethyl phthalate	ND	83	81	2.4	82	84	2.4	30 - 130	20
Dimethylphthalate	ND	82	80	2.5	80	82	2.5	30 - 130	20
Di-n-butylphthalate	ND	84	84	0.0	82	84	2.4	30 - 130	20
Di-n-octylphthalate	ND	85	80	6.1	83	84	1.2	30 - 130	20
Fluoranthene	ND	80	85	6.1	81	82	1.2	30 - 130	20
Fluorene	ND	81	81	0.0	80	82	2.5	30 - 130	20
Hexachlorobenzene	ND	86	88	2.3	83	85	2.4	30 - 130	20
Hexachlorocyclopentadiene	ND	57	56	1.8	56	58	3.5	30 - 130	20
Hexachloroethane	ND	75	73	2.7	71	74	4.1	30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	84	84	0.0	82	82	0.0	30 - 130	20
Isophorone	ND	84	82	2.4	81	82	1.2	30 - 130	20
Naphthalene	ND	78	77	1.3	75	77	2.6	30 - 130	20
N-Nitrosodimethylamine	ND	62	63	1.6	62	63	1.6	30 - 130	20
N-Nitrosodi-n-propylamine	ND	80	77	3.8	78	80	2.5	30 - 130	20
N-Nitrosodiphenylamine	ND	93	92	1.1	89	92	3.3	30 - 130	20
Pentachloronitrobenzene	ND	87	89	2.3	83	85	2.4	30 - 130	20
Pentachlorophenol	ND	99	102	3.0	104	107	2.8	30 - 130	20
Phenanthrene	ND	83	83	0.0	81	84	3.6	30 - 130	20
Phenol	ND	61	61	0.0	60	62	3.3	30 - 130	20
Pyrene	ND	82	87	5.9	83	83	0.0	30 - 130	20
Pyridine	ND	48	46	4.3	49	48	2.1	30 - 130	20
% 2,4,6-Tribromophenol	105	93	97	4.2	95	94	1.1	19 - 122	20
% 2-Fluorobiphenyl	94	79	78	1.3	76	78	2.6	30 - 115	20
% 2-Fluorophenol	85	59	58	1.7	53	56	5.5	25 - 121	20
% Nitrobenzene-d5	107	79	78	1.3	74	77	4.0	23 - 120	20
% Phenol-d5	91	60	59	1.7	56	57	1.8	24 - 113	20
% Terphenyl-d14	101	89	95	6.5	70	70	0.0	18 - 137	20

l,m

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 270236, QC Sample No: BG24208 (BG23803 (250X) , BG23804 (5X))										
<u>Volatiles - Ground Water</u>										
Acetone	ND	96	82	15.7	121	70	53.4	70 - 130	30	r
Ethylbenzene	ND	109	104	4.7	108	112	3.6	70 - 130	30	
Toluene	ND	102	106	3.8	101	108	6.7	70 - 130	30	
Comment:										
A blank MS/MSD was analyzed with this batch.										
QA/QC Batch 270133, QC Sample No: BG24588 (BG23802 (10X) , BG23803 (40X) , BG23804)										
<u>Volatiles - Ground Water</u>										
1,1,1,2-Tetrachloroethane	ND	117	118	0.9	118	120	1.7	70 - 130	30	
1,1,1-Trichloroethane	ND	115	109	5.4	103	105	1.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	98	7.4	102	106	3.8	70 - 130	30	
1,1,2-Trichloroethane	ND	98	106	7.8	110	112	1.8	70 - 130	30	
1,1-Dichloroethane	ND	99	98	1.0	107	111	3.7	70 - 130	30	
1,1-Dichloroethene	ND	105	100	4.9	107	117	8.9	70 - 130	30	
1,1-Dichloropropene	ND	132	122	7.9	122	121	0.8	70 - 130	30	i
1,2,3-Trichlorobenzene	ND	107	114	6.3	113	128	12.4	70 - 130	30	
1,2,3-Trichloropropane	ND	88	94	6.6	79	86	8.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	104	113	8.3	109	118	7.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	117	111	5.3	101	101	0.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	96	108	11.8	108	117	8.0	70 - 130	30	
1,2-Dibromoethane	ND	97	106	8.9	108	112	3.6	70 - 130	30	
1,2-Dichlorobenzene	ND	102	102	0.0	104	106	1.9	70 - 130	30	
1,2-Dichloroethane	ND	107	113	5.5	117	122	4.2	70 - 130	30	
1,2-Dichloropropane	ND	95	97	2.1	105	104	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	117	107	8.9	101	100	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	105	102	2.9	102	105	2.9	70 - 130	30	
1,3-Dichloropropane	ND	108	114	5.4	115	122	5.9	70 - 130	30	
1,4-Dichlorobenzene	ND	104	102	1.9	102	104	1.9	70 - 130	30	
2,2-Dichloropropane	ND	114	107	6.3	75	75	0.0	70 - 130	30	
2-Chlorotoluene	ND	114	105	8.2	103	101	2.0	70 - 130	30	
2-Hexanone	ND	81	96	16.9	114	120	5.1	70 - 130	30	
2-Isopropyltoluene	ND	113	104	8.3	105	105	0.0	70 - 130	30	
4-Chlorotoluene	ND	115	107	7.2	102	102	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	81	97	18.0	122	128	4.8	70 - 130	30	
Acrolein	ND	86	102	17.0	104	122	15.9	70 - 130	30	
Acrylonitrile	ND	83	95	13.5	119	123	3.3	70 - 130	30	
Benzene	ND	108	104	3.8	105	106	0.9	70 - 130	30	
Bromobenzene	ND	105	102	2.9	102	104	1.9	70 - 130	30	
Bromochloromethane	ND	96	105	9.0	101	58	54.1	70 - 130	30	m,r
Bromodichloromethane	ND	95	98	3.1	104	106	1.9	70 - 130	30	
Bromoform	ND	97	105	7.9	120	126	4.9	70 - 130	30	
Bromomethane	ND	119	116	2.6	56	88	44.4	70 - 130	30	m,r
Carbon Disulfide	ND	91	83	9.2	111	117	5.3	70 - 130	30	
Carbon tetrachloride	ND	123	114	7.6	110	109	0.9	70 - 130	30	
Chlorobenzene	ND	109	105	3.7	107	107	0.0	70 - 130	30	
Chloroethane	ND	108	103	4.7	107	119	10.6	70 - 130	30	
Chloroform	ND	99	101	2.0	97	103	6.0	70 - 130	30	
Chloromethane	ND	105	99	5.9	94	107	12.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	102	102	0.0	100	101	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	96	101	5.1	99	103	4.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBG23801

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromochloromethane	ND	103	108	4.7	106	112	5.5	70 - 130	30
Dibromomethane	ND	94	105	11.1	107	110	2.8	70 - 130	30
Dichlorodifluoromethane	ND	135	129	4.5	103	116	11.9	70 - 130	30
Ethylbenzene	ND	114	108	5.4	109	108	0.9	70 - 130	30
Hexachlorobutadiene	ND	125	113	10.1	110	113	2.7	70 - 130	30
Isopropylbenzene	ND	125	112	11.0	104	104	0.0	70 - 130	30
m&p-Xylene	ND	112	106	5.5	111	109	1.8	70 - 130	30
Methyl ethyl ketone	ND	72	88	20.0	112	120	6.9	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	89	102	13.6	122	128	4.8	70 - 130	30
Methylene chloride	ND	86	89	3.4	99	106	6.8	70 - 130	30
Naphthalene	ND	105	118	11.7	112	124	10.2	70 - 130	30
n-Butylbenzene	ND	123	113	8.5	105	105	0.0	70 - 130	30
n-Propylbenzene	ND	128	116	9.8	103	101	2.0	70 - 130	30
o-Xylene	ND	107	105	1.9	116	115	0.9	70 - 130	30
p-Isopropyltoluene	ND	124	113	9.3	107	105	1.9	70 - 130	30
sec-Butylbenzene	ND	133	121	9.4	119	118	0.8	70 - 130	30
Styrene	ND	105	104	1.0	116	118	1.7	70 - 130	30
tert-Butylbenzene	ND	122	109	11.3	105	104	1.0	70 - 130	30
Tetrachloroethene	ND	123	114	7.6	115	111	3.5	70 - 130	30
Tetrahydrofuran (THF)	ND	76	52	37.5	97	117	18.7	70 - 130	30
Toluene	ND	106	103	2.9	105	104	1.0	70 - 130	30
trans-1,2-Dichloroethene	ND	101	98	3.0	103	110	6.6	70 - 130	30
trans-1,3-Dichloropropene	ND	92	97	5.3	96	103	7.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	88	94	6.6	79	86	8.5	70 - 130	30
Trichloroethene	ND	118	112	5.2	112	111	0.9	70 - 130	30
Trichlorofluoromethane	ND	112	109	2.7	111	118	6.1	70 - 130	30
Trichlorotrifluoroethane	ND	119	115	3.4	106	123	14.8	70 - 130	30
Vinyl chloride	ND	108	102	5.7	101	115	13.0	70 - 130	30
% 1,2-dichlorobenzene-d4	100	96	100	4.1	102	102	0.0	70 - 121	30
% Bromofluorobenzene	95	95	98	3.1	100	104	3.9	59 - 113	30
% Dibromofluoromethane	100	94	97	3.1	89	106	17.4	70 - 130	30
% Toluene-d8	100	97	99	2.0	98	95	3.1	84 - 138	30

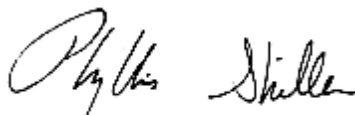
Comment:

A blank MS/MSD was analyzed with this batch.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
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
May 07, 2014

Sample Criteria Exceedences Report

Criteria: NY: GW

GBG23801 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BG23801	\$8260DP25R	Acetone	NY / TAGM - Volatile Organics / Groundwater Standards	120	5.0	50	50	50	ug/L
BG23801	\$8260DP25R	Acetone	NY / TOGS - Water Quality / GA Criteria	120	5.0	50	50	50	ug/L
BG23801	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	0.0006	ug/L
BG23801	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG23801	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG23801	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23801	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	0.06	ug/L
BG23801	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	2.32	0.010	0.1	0.1	0.1	mg/L
BG23801	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	3.08	0.01	0.1	0.1	0.1	mg/L
BG23801	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	6.09	0.01	0.3	0.3	0.3	mg/L
BG23801	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	67.1	0.01	35	35	35	mg/L
BG23801	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	9.61	0.053	0.3	0.3	0.3	mg/L
BG23801	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	109	1.1	20	20	20	mg/L
BG23801	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	11.0	0.01	0.3	0.3	0.3	mg/L
BG23801	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	64.6	0.01	35	35	35	mg/L
BG23801	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	9.52	0.050	0.3	0.3	0.3	mg/L
BG23801	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	101	1.0	20	20	20	mg/L
BG23802	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	100	7.0	0.7	0.7	0.7	ug/L
BG23802	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	100	7.0	1	1	1	ug/L
BG23802	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	2.8	2.0	0.6	0.6	0.6	ug/L
BG23802	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	84	10	5	5	5	ug/L
BG23802	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	84	10	5	5	5	ug/L
BG23802	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	0.0006	ug/L
BG23802	\$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	5.5	1.0	5	5	5	ug/L
BG23802	\$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	5.5	1.0	5	5	5	ug/L
BG23802	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG23802	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	0.04	ug/L
BG23802	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	0.002	ug/L

Sample Criteria Exceedences Report

Criteria: NY: GW

GBG23801 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG23802	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	0.002	ug/L
BG23802	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.027	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.081	0.05	0.05	0.05	ug/L
BG23802	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.008	0.004	0.004	0.004	ug/L
BG23802	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.027	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.027	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.027	0.01	0.01	0.01	ug/L
BG23802	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.1	0.06	0.06	0.06	ug/L
BG23802	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.44	0.010	0.1	0.1	0.1	mg/L
BG23802	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.55	0.01	0.1	0.1	0.1	mg/L
BG23802	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.48	0.01	0.3	0.3	0.3	mg/L
BG23802	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	58.3	0.01	35	35	35	mg/L
BG23802	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.97	0.053	0.3	0.3	0.3	mg/L
BG23802	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	607	11	20	20	20	mg/L
BG23802	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	3.89	0.01	0.3	0.3	0.3	mg/L
BG23802	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	57.5	0.01	35	35	35	mg/L
BG23802	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.85	0.050	0.3	0.3	0.3	mg/L
BG23802	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	582	10	20	20	20	mg/L
BG23802	TL-WMDP	Thallium - LDL	NY / TOGS - Water Quality / GA Criteria	0.0016	0.0005	0.0005	0.0005	0.0005	mg/L
BG23803	\$8260DP25R	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	3.5	0.7	0.7	0.7	ug/L
BG23803	\$8260DP25R	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	3.5	1	1	1	ug/L
BG23803	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.6	0.6	0.6	ug/L
BG23803	\$8260DP25R	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1	0.4	0.4	0.4	ug/L
BG23803	\$8260DP25R	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	1200	250	5	5	5	ug/L
BG23803	\$8260DP25R	Toluene	NY / TOGS - Water Quality / GA Criteria	1200	250	5	5	5	ug/L
BG23803	\$8260DP25R	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1	0.4	0.4	0.4	ug/L
BG23803	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.0006	0.0006	0.0006	ug/L
BG23803	\$8260DP25R	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	1400	250	5	5	5	ug/L
BG23803	\$8260DP25R	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	1400	250	5	5	5	ug/L
BG23803	\$8260DP25R	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	390	40	5	5	5	ug/L
BG23803	\$8260DP25R	o-Xylene	NY / TOGS - Water Quality / GA Criteria	390	40	5	5	5	ug/L
BG23803	\$8260DP25R	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	51	5.0	5	5	5	ug/L

Sample Criteria Exceedences Report

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SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG23803	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.04	0.04	ug/L
BG23803	\$8260DP25R	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	150	5.0	5	5	ug/L
BG23803	\$8260DP25R	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	150	5.0	5	5	ug/L
BG23803	\$8260DP25R	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	490	40	5	5	ug/L
BG23803	\$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	6.2	5.0	5	5	ug/L
BG23803	\$8260DP25R	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	12	5.0	5	5	ug/L
BG23803	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1	0.04	0.04	ug/L
BG23803	\$8260DP25R	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	1	0.5	0.5	ug/L
BG23803	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	390	40	5	5	ug/L
BG23803	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	390	40	10	10	ug/L
BG23803	\$DP8270-SIMF	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	130	5	5	ug/L
BG23803	\$DP8270-SIMF	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	130	5	5	ug/L
BG23803	\$DP8270-SIMF	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	25	0.4	0.4	ug/L
BG23803	\$DP8270-SIMF	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	130	50	50	ug/L
BG23803	\$DP8270-SIMF	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	Naphthalene	NY / TAGM - Semi-Volatiles / Groundwater Standards	220	25	10	10	ug/L
BG23803	\$DP8270-SIMF	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	220	25	5	5	ug/L
BG23803	\$DP8270-SIMF	Naphthalene	NY / TOGS - Water Quality / GA Criteria	220	25	10	10	ug/L
BG23803	\$DP8270-SIMF	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	50	5	5	ug/L
BG23803	\$DP8270-SIMF	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BG23803	\$DP8270-SIMF	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	25	0.5	0.5	ug/L
BG23803	\$DP8270-SIMF	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BG23803	\$DP8270-SIMF	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BG23803	\$DP8270-SIMF	2-Chloronaphthalene	NY / TOGS - Water Quality / GA Criteria	ND	25	10	10	ug/L

Sample Criteria Exceedences Report

Criteria: NY: GW

GBG23801 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG23803	\$DP8270-SIMF	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5		ug/L
BG23803	\$DP8270-SIMF	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5		ug/L
BG23803	\$DP8270-SIMF	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	Acenaphthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	20	20		ug/L
BG23803	\$DP8270-SIMF	Acenaphthene	NY / TOGS - Water Quality / GA Criteria	ND	25	20	20		ug/L
BG23803	\$DP8270-SIMF	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	130	1	1		ug/L
BG23803	\$DP8270-SIMF	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5		ug/L
BG23803	\$DP8270-SIMF	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5		ug/L
BG23803	\$DP8270-SIMF	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	130	1	1		ug/L
BG23803	\$DP8270-SIMF	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	130	5	5		ug/L
BG23803	\$DP8270-SIMF	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	130	1	1		ug/L
BG23803	\$DP8270-SIMF	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5		ug/L
BG23803	\$DP8270-SIMF	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5		ug/L
BG23803	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23803	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG23803	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.026	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.076	0.05	0.05		ug/L
BG23803	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.013	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.008	0.004	0.004		ug/L
BG23803	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.026	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.026	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.026	0.01	0.01		ug/L
BG23803	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06		ug/L
BG23803	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	8.99	0.010	0.1	0.1		mg/L
BG23803	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.60	0.01	0.1	0.1		mg/L

Sample Criteria Exceedences Report

GBG23801 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	RL	Analysis Units
BG23803	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.82	0.01	0.3	0.3		mg/L
BG23803	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	62.7	1.1	20	20		mg/L
BG23803	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	30.2	0.01	0.3	0.3		mg/L
BG23803	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.444	0.005	0.3	0.3		mg/L
BG23803	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	57.3	1.0	20	20		mg/L
BG23804	\$8260DP25R	Acetone	NY / TAGM - Volatile Organics / Groundwater Standards	52	25	50	50		ug/L
BG23804	\$8260DP25R	Acetone	NY / TOGS - Water Quality / GA Criteria	52	25	50	50		ug/L
BG23804	\$8260DP25R	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	0.63	2.0	0.6	0.6		ug/L
BG23804	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG23804	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG23804	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG23804	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002		ug/L
BG23804	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002		ug/L
BG23804	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06		ug/L
BG23804	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.220	0.010	0.1	0.1		mg/L
BG23804	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	70.4	0.01	35	35		mg/L
BG23804	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	14.2	0.053	0.3	0.3		mg/L
BG23804	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	121	1.1	20	20		mg/L
BG23804	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1.01	0.01	0.3	0.3		mg/L
BG23804	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	71.2	0.01	35	35		mg/L
BG23804	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	14.0	0.050	0.3	0.3		mg/L
BG23804	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	120	1.0	20	20		mg/L
BG23805	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006		ug/L
BG23805	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L
BG23805	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04		ug/L

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



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



NY Temperature Narration

May 07, 2014

SDG I.D.: GBG23801

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

Customer: EBL Project: 845 GRAND STREET Project P.O.:
 Address: 1808 Middle Country Rd Report to:
Ridge, NY 11961 Invoice to:
 Phone #: 631 786 7775
 Fax #:

Sampler's Signature: [Signature] Date: 3-26-14
 Client Sample - Information - Identification
 WW=wastewater S=soll/solid O=oil
 SL=sludge A=air X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
* 23801	MW1	GW	3-25-14		X X X X X
23802	MW3		3-25-14		
23803	MW5		3-26-14		
23804	GW Duplicate		3-25-14		
23805	Trip Blank				

Relinquished by: [Signature] Accepted by: [Signature] Date: 3-27-14 Time: 9:50

Turnaround: 1 Day* 2 Days* 3 Days* 5 Days 10 Days Other

State where samples were collected: NY

Comments, Special Requirements or Regulations:
 * Use MW1 as MS/MSD
 * 2 AMBERS received per Dominican 2 to be used NO AMBERS received
 AS GW Duplicate
 NO AMBERS received for sample MW1. (MID)
 1 Extra Amber received (MID)

NY	NJ	Turnaround:	Time:	Date:
<input checked="" type="checkbox"/> TOGS GA GW	<input type="checkbox"/> Res. Criteria	<input type="checkbox"/> 1 Day*	<u>9:50</u>	<u>3-27-14</u>
<input checked="" type="checkbox"/> Phoenix Std Report	<input type="checkbox"/> Non-Res. Criteria	<input type="checkbox"/> 2 Days*		
<input checked="" type="checkbox"/> Excel	<input type="checkbox"/> Impact to GW Soil	<input type="checkbox"/> 3 Days*		
<input checked="" type="checkbox"/> PDF	<input type="checkbox"/> Cleanup Criteria	<input checked="" type="checkbox"/> 5 Days	<u>15:48</u>	<u>3-27-14</u>
<input type="checkbox"/> GIS/Key	<input type="checkbox"/> GW Criteria	<input type="checkbox"/> 10 Days		
<input checked="" type="checkbox"/> EQ/IS		<input type="checkbox"/> Other		
<input checked="" type="checkbox"/> NJ Hazsite EDD				
<input checked="" type="checkbox"/> NY EZ EDD (ASP)				
<input type="checkbox"/> Other				

VOA received 3/28
 NO AMBERS received
 State where samples were collected: NY



Tuesday, June 17, 2014

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

Project ID: 845 GRAND ST
Sample ID#s: BG23791 - BG23792

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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

June 17, 2014

SDG I.D.: GBG23791

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.



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: 845 GRAND ST

Laboratory Project: GBG23791



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

June 17, 2014

SDG I.D.: GBG23791

Environmental Business Consultants 845 GRAND ST

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
SG 4	BG23791	AIR
SG 6	BG23792	AIR



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

June 17, 2014

SDG I.D.: GBG23791

Environmental Business Consultants 845 GRAND ST

Laboratory Chronicle

The samples in this delivery group were received at 6°C.



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

Analysis Report

June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date

03/26/14
 03/27/14

Time

13:45
 15:48

Laboratory Data

SDG ID: GBG23791
 Phoenix ID: BG23791

Project ID: 845 GRAND ST
 Client ID: SG 4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,1-Trichloroethane	2.31	0.183	0.183	12.6	1.00	1.00	03/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trimethylbenzene	3.02	0.204	0.204	14.8	1.00	1.00	03/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.79	0.204	0.204	3.88	1.00	1.00	03/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
4-Ethyltoluene	0.66	0.204	0.204	3.24	1.00	1.00	03/28/14	KCA	TO15
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
Acetone	24.5	0.421	0.421	58.2	1.00	1.00	03/28/14	KCA	TO15
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15
Benzene	2.69	0.313	0.313	8.59	1.00	1.00	03/28/14	KCA	TO15
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	5.06	0.321	0.321	15.7	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	0.54	0.040	0.040	3.40	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	6.26	0.205	0.205	30.5	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	ND	0.484	0.484	ND	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	1.34	0.291	0.291	4.61	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	4	0.202	0.202	19.8	1.00	1.00	03/28/14	KCA	TO15
Ethanol	101	E 0.531	0.531	190	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	1.24	0.278	0.278	4.46	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	2.39	0.230	0.230	10.4	1.00	1.00	03/28/14	KCA	TO15
Heptane	3.08	0.244	0.244	12.6	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	3.51	0.284	0.284	12.4	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	1.02	0.407	0.407	2.50	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	0.22	0.204	0.204	1.08	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	8.22	0.230	0.230	35.7	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	1.17	0.339	0.339	3.45	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	0.3	0.182	0.182	1.64	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	3.05	0.230	0.230	13.2	1.00	1.00	03/28/14	KCA	TO15
Propylene	2.49	0.581	0.581	4.28	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	2.24	0.037	0.037	15.2	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	17.1	0.266	0.266	64.4	1.00	1.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	2.76	0.047	0.047	14.8	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.47	0.178	0.178	2.64	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	101	%		101	%	0.25	03/28/14	KCA	TO15

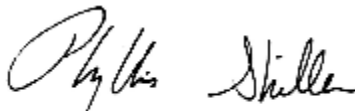
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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

June 17, 2014

Reviewed and Released by: Tina Covensky



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

Analysis Report
 June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date Time
 03/26/14 13:46
 03/27/14 15:48

Laboratory Data

SDG ID: GBG23791
 Phoenix ID: BG23792

Project ID: 845 GRAND ST
 Client ID: SG 6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trimethylbenzene	2.31	0.204	0.204	11.3	1.00	1.00	03/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15
1,3,5-Trimethylbenzene	0.67	0.204	0.204	3.29	1.00	1.00	03/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
4-Ethyltoluene	1.36	0.204	0.204	6.68	1.00	1.00	03/28/14	KCA	TO15
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
Acetone	161	D 2.11	2.11	382	5.00	5.00	03/28/14	KCA	TO15
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15
Benzene	13.7	0.313	0.313	43.7	1.00	1.00	03/28/14	KCA	TO15
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	20.7	0.321	0.321	64.4	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	0.06	0.040	0.040	0.377	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	ND	0.484	0.484	ND	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	3.98	0.291	0.291	13.7	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	0.61	0.202	0.202	3.01	1.00	1.00	03/28/14	KCA	TO15
Ethanol	6.21	0.531	0.531	11.7	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	35.3	0.230	0.230	153	1.00	1.00	03/28/14	KCA	TO15
Heptane	27.8	0.244	0.244	114	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	9.62	0.284	0.284	33.9	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	2	0.407	0.407	4.91	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	0.73	0.204	0.204	3.59	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	79.5	0.230	0.230	345	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	7.08	0.339	0.339	20.9	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	0.45	0.288	0.288	1.56	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	18.7	0.230	0.230	81.1	1.00	1.00	03/28/14	KCA	TO15
Propylene	11.6	0.581	0.581	20.0	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	2.81	0.037	0.037	19.0	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	165	D 1.33	1.33	621	5.00	5.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	0.15	0.047	0.047	0.806	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.3	0.178	0.178	1.68	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	102	%		102	%	0.25	03/28/14	KCA	TO15

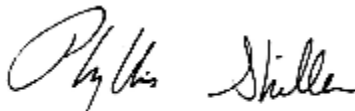
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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

June 17, 2014

Reviewed and Released by: Tina Covensky



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

June 17, 2014

QA/QC Data

SDG I.D.: GBG23791

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 270118, QC Sample No: BG23787 (BG23791, BG23792 (5X))										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	134	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	125	9.54	9.83	4.02	4.14	2.9	70 - 130	20
Acrylonitrile	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	100	1.02	0.958	0.32	0.3	6.5	70 - 130	20
Benzyl chloride	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	105	0.503	0.503	0.08	0.08	0.0	70 - 130	20
Chlorobenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	ND	113	1.44	1.26	0.7	0.61	13.7	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	125	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	120	2.96	3.01	0.6	0.61	1.7	70 - 130	20
Ethanol	ND	ND	116	20.3	20.9	10.8	11.1	2.7	70 - 130	20

QA/QC Data

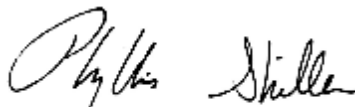
SDG I.D.: GBG23791

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	120	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	108	1.60	1.60	0.39	0.39	0.0	70 - 130	20
Hexachlorobutadiene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	100	1.37	1.37	0.39	0.39	0.0	70 - 130	20
Isopropylalcohol	ND	ND	119	179	181 E	72.9	73.6 E	1.0	70 - 130	20
Isopropylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	108	1.34	1.26	0.31	0.29	6.7	70 - 130	20
Methyl Ethyl Ketone	ND	ND	121	1.09	1.74	0.37	0.59	45.8	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	114	1.28	1.32	0.37	0.38	2.7	70 - 130	20
n-Butylbenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Propylene	ND	ND	114	1.20	1.19	0.7	0.69	1.4	70 - 130	20
sec-Butylbenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	99	0.271	0.271	0.04	0.04	0.0	70 - 130	20
Tetrahydrofuran	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	107	2.37	2.34	0.63	0.62	1.6	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	132	1.80	1.74	0.32	0.31	3.2	70 - 130	20
Trichlorotrifluoroethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	106	106	96	98	97	98	97	1.0	70 - 130	20

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

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

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


 Phyllis Shiller, Laboratory Director
 June 17, 2014

Sample Criteria Exceedences Report

GBG23791 - 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.



Environmental Laboratories, Inc.
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NY Temperature Narration

June 17, 2014

SDG I.D.: GBG23791

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



Tuesday, June 17, 2014

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

Project ID: 845 GRAND ST
Sample ID#s: BG23787 - BG23790

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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

June 17, 2014

SDG I.D.: GBG23787

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.



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: 845 GRAND ST

Laboratory Project: GBG23787



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

June 17, 2014

SDG I.D.: GBG23787

Environmental Business Consultants 845 GRAND ST

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.

Sample Id Cross Reference

Client Id	Lab Id	Matrix
SG1	BG23787	AIR
SG2	BG23788	AIR
SG3	BG23789	AIR
SG5	BG23790	AIR



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

June 17, 2014

SDG I.D.: GBG23787

Environmental Business Consultants 845 GRAND ST

Laboratory Chronicle

The samples in this delivery group were received at 6°C.





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

Analysis Report

June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

12:44
 15:48

Laboratory Data

SDG ID: GBG23787
 Phoenix ID: BG23787

Project ID: 845 GRAND ST
 Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/28/14	KCA	TO15
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
Acetone	4.02	0.421	0.421	9.54	1.00	1.00	03/28/14	KCA	TO15
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15
Benzene	0.32	0.313	0.313	1.02	1.00	1.00	03/28/14	KCA	TO15
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.040	0.503	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	0.7	0.484	0.484	1.44	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	0.6	0.202	0.202	2.96	1.00	1.00	03/28/14	KCA	TO15
Ethanol	10.8	0.531	0.531	20.3	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	ND	0.230	0.230	ND	1.00	1.00	03/28/14	KCA	TO15
Heptane	0.39	0.244	0.244	1.60	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	0.36	0.284	0.284	1.27	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	72.9	E 0.407	0.407	179	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	0.29	0.230	0.230	1.26	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	0.37	0.339	0.339	1.09	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	0.38	0.288	0.288	1.32	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	ND	0.230	0.230	ND	1.00	1.00	03/28/14	KCA	TO15
Propylene	0.7	0.581	0.581	1.20	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	0.04	0.037	0.037	0.271	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	0.63	0.266	0.266	2.37	1.00	1.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.31	0.178	0.178	1.74	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	98	%		98	%	0.25	03/28/14	KCA	TO15

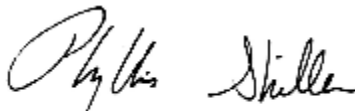
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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

June 17, 2014

Reviewed and Released by: Tina Covensky



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

Analysis Report
 June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

12:13
 15:48

Laboratory Data

SDG ID: GBG23787
 Phoenix ID: BG23788

Project ID: 845 GRAND ST
 Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2,4-Trimethylbenzene	8.51	0.204	0.204	41.8	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15	
1,3,5-Trimethylbenzene	2.71	0.204	0.204	13.3	1.00	1.00	03/28/14	KCA	TO15	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15	1
4-Ethyltoluene	3.14	0.204	0.204	15.4	1.00	1.00	03/28/14	KCA	TO15	1
4-Isopropyltoluene	0.2	0.182	0.182	1.10	1.00	1.00	03/28/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.58	0.244	0.244	2.37	1.00	1.00	03/28/14	KCA	TO15	
Acetone	15.4	0.421	0.421	36.6	1.00	1.00	03/28/14	KCA	TO15	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15	
Benzene	2.41	0.313	0.313	7.69	1.00	1.00	03/28/14	KCA	TO15	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	6.67	0.321	0.321	20.8	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	0.05	0.040	0.040	0.314	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	1.56	0.205	0.205	7.61	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	ND	0.484	0.484	ND	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	1.02	0.291	0.291	3.51	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	0.89	0.202	0.202	4.40	1.00	1.00	03/28/14	KCA	TO15
Ethanol	25.8	0.531	0.531	48.6	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	0.38	0.278	0.278	1.37	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	10	0.230	0.230	43.4	1.00	1.00	03/28/14	KCA	TO15
Heptane	5.11	0.244	0.244	20.9	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	3.37	0.284	0.284	11.9	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	0.48	0.407	0.407	1.18	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	0.63	0.204	0.204	3.10	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	39.9	0.230	0.230	173	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	1.38	0.339	0.339	4.07	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	0.3	0.288	0.288	1.04	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	0.4	0.182	0.182	2.19	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	12.5	0.230	0.230	54.2	1.00	1.00	03/28/14	KCA	TO15
Propylene	3.52	0.581	0.581	6.05	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	0.71	0.037	0.037	4.81	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	35.1	0.266	0.266	132	1.00	1.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	0.08	0.047	0.047	0.430	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.58	0.178	0.178	3.26	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	102	%		102	%	0.25	03/28/14	KCA	TO15

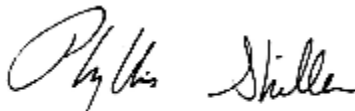
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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Phyllis Shiller, Laboratory Director

June 17, 2014

Reviewed and Released by: Tina Covensky



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

Analysis Report
 June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14
 03/27/14

Time

14:35
 15:48

Laboratory Data

SDG ID: GBG23787
 Phoenix ID: BG23789

Project ID: 845 GRAND ST
 Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15
1,2,4-Trimethylbenzene	6.68	0.204	0.204	32.8	1.00	1.00	03/28/14	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15
1,3,5-Trimethylbenzene	1.57	0.204	0.204	7.71	1.00	1.00	03/28/14	KCA	TO15
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15
4-Ethyltoluene	2.22	0.204	0.204	10.9	1.00	1.00	03/28/14	KCA	TO15
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15
4-Methyl-2-pentanone(MIBK)	0.44	0.244	0.244	1.80	1.00	1.00	03/28/14	KCA	TO15
Acetone	19.9	0.421	0.421	47.2	1.00	1.00	03/28/14	KCA	TO15
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15
Benzene	7.31	0.313	0.313	23.3	1.00	1.00	03/28/14	KCA	TO15
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	5.28	0.321	0.321	16.4	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	2.19	0.205	0.205	10.7	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	ND	0.484	0.484	ND	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	1.68	0.291	0.291	5.78	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	10.9	0.202	0.202	53.9	1.00	1.00	03/28/14	KCA	TO15
Ethanol	18.1	0.531	0.531	34.1	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	0.5	0.278	0.278	1.80	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	14.2	0.230	0.230	61.6	1.00	1.00	03/28/14	KCA	TO15
Heptane	12.5	0.244	0.244	51.2	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	9.09	0.284	0.284	32.0	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	4.18	0.407	0.407	10.3	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	0.55	0.204	0.204	2.70	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	46.2	0.230	0.230	200	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	2.52	0.339	0.339	7.43	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	0.32	0.288	0.288	1.11	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	0.43	0.182	0.182	2.36	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	11.5	0.230	0.230	49.9	1.00	1.00	03/28/14	KCA	TO15
Propylene	3.13	0.581	0.581	5.38	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	0.59	0.037	0.037	4.00	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	81.8	D 1.33	1.33	308	5.00	5.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	ND	0.047	0.047	ND	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.82	0.178	0.178	4.60	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	100	%		100	%	0.25	03/28/14	KCA	TO15

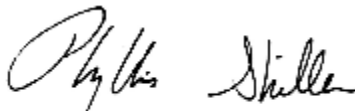
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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

June 17, 2014

Reviewed and Released by: Tina Covensky



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

Analysis Report

June 17, 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: DM
 Received by: LPB
 Analyzed by: see "By" below

Date

03/25/14 12:40
 03/27/14 15:48

Time

Laboratory Data

SDG ID: GBG23787
 Phoenix ID: BG23790

Project ID: 845 GRAND ST
 Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15	
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2,4-Trimethylbenzene	4.68	0.204	0.204	23.0	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	0.216	ND	1.00	1.00	03/28/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/28/14	KCA	TO15	
1,3,5-Trimethylbenzene	1.27	0.204	0.204	6.24	1.00	1.00	03/28/14	KCA	TO15	
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/28/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/28/14	KCA	TO15	
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15	1
4-Ethyltoluene	1.76	0.204	0.204	8.65	1.00	1.00	03/28/14	KCA	TO15	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/28/14	KCA	TO15	
Acetone	85.5	D 2.11	2.11	203	5.00	5.00	03/28/14	KCA	TO15	
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/28/14	KCA	TO15	
Benzene	7.68	0.313	0.313	24.5	1.00	1.00	03/28/14	KCA	TO15	
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/28/14	KCA	TO15	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/28/14	KCA	TO15
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/28/14	KCA	TO15
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/28/14	KCA	TO15
Carbon Disulfide	2.75	0.321	0.321	8.56	1.00	1.00	03/28/14	KCA	TO15
Carbon Tetrachloride	0.05	0.040	0.040	0.314	0.25	0.25	03/28/14	KCA	TO15
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/28/14	KCA	TO15
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/28/14	KCA	TO15
Chloromethane	ND	0.484	0.484	ND	1.00	1.00	03/28/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Cyclohexane	3.56	0.291	0.291	12.2	1.00	1.00	03/28/14	KCA	TO15
Dibromochloromethane	ND	0.117	0.117	ND	1.00	1.00	03/28/14	KCA	TO15
Dichlorodifluoromethane	0.55	0.202	0.202	2.72	1.00	1.00	03/28/14	KCA	TO15
Ethanol	4.43	0.531	0.531	8.34	1.00	1.00	03/28/14	KCA	TO15 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15 1
Ethylbenzene	12.8	0.230	0.230	55.5	1.00	1.00	03/28/14	KCA	TO15
Heptane	16.6	0.244	0.244	68.0	1.00	1.00	03/28/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/28/14	KCA	TO15
Hexane	13.9	0.284	0.284	49.0	1.00	1.00	03/28/14	KCA	TO15
Isopropylalcohol	1.06	0.407	0.407	2.60	1.00	1.00	03/28/14	KCA	TO15
Isopropylbenzene	0.51	0.204	0.204	2.50	1.00	1.00	03/28/14	KCA	TO15
m,p-Xylene	41.9	0.230	0.230	182	1.00	1.00	03/28/14	KCA	TO15
Methyl Ethyl Ketone	2.76	0.339	0.339	8.13	1.00	1.00	03/28/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/28/14	KCA	TO15
Methylene Chloride	0.41	0.288	0.288	1.42	1.00	1.00	03/28/14	KCA	TO15
n-Butylbenzene	0.26	0.182	0.182	1.43	1.00	1.00	03/28/14	KCA	TO15 1
o-Xylene	10.8	0.230	0.230	46.9	1.00	1.00	03/28/14	KCA	TO15
Propylene	29.5	0.581	0.581	50.7	1.00	1.00	03/28/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/28/14	KCA	TO15 1
Styrene	ND	0.235	0.235	ND	1.00	1.00	03/28/14	KCA	TO15
Tetrachloroethene	2.33	0.037	0.037	15.8	0.25	0.25	03/28/14	KCA	TO15
Tetrahydrofuran	ND	0.339	0.339	ND	1.00	1.00	03/28/14	KCA	TO15 1
Toluene	71.4	D 1.33	1.33	269	5.00	5.00	03/28/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/28/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	0.220	ND	1.00	1.00	03/28/14	KCA	TO15
Trichloroethene	0.8	0.047	0.047	4.30	0.25	0.25	03/28/14	KCA	TO15
Trichlorofluoromethane	0.32	0.178	0.178	1.80	1.00	1.00	03/28/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	0.130	ND	1.00	1.00	03/28/14	KCA	TO15
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	03/28/14	KCA	TO15
<u>QA/QC Surrogates</u>									
% Bromofluorobenzene	102	%		102	%	0.25	03/28/14	KCA	TO15

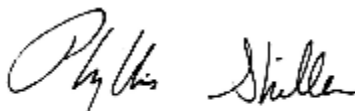
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

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

June 17, 2014

Reviewed and Released by: Tina Covensky



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

June 17, 2014

QA/QC Data

SDG I.D.: GBG23787

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 270118, QC Sample No: BG23787 (BG23787, BG23788, BG23789 (5X) , BG23790 (5X))										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	134	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	125	9.54	9.83	4.02	4.14	2.9	70 - 130	20
Acrylonitrile	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	100	1.02	0.958	0.32	0.3	6.5	70 - 130	20
Benzyl chloride	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Carbon Tetrachloride	ND	ND	105	0.503	0.503	0.08	0.08	0.0	70 - 130	20
Chlorobenzene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	ND	113	1.44	1.26	0.7	0.61	13.7	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	125	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	120	2.96	3.01	0.6	0.61	1.7	70 - 130	20
Ethanol	ND	ND	116	20.3	20.9	10.8	11.1	2.7	70 - 130	20

QA/QC Data

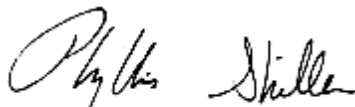
SDG I.D.: GBG23787

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	120	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	108	1.60	1.60	0.39	0.39	0.0	70 - 130	20
Hexachlorobutadiene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	100	1.37	1.37	0.39	0.39	0.0	70 - 130	20
Isopropylalcohol	ND	ND	119	179	181 E	72.9	73.6 E	1.0	70 - 130	20
Isopropylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	108	1.34	1.26	0.31	0.29	6.7	70 - 130	20
Methyl Ethyl Ketone	ND	ND	121	1.09	1.74	0.37	0.59	45.8	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	114	1.28	1.32	0.37	0.38	2.7	70 - 130	20
n-Butylbenzene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Propylene	ND	ND	114	1.20	1.19	0.7	0.69	1.4	70 - 130	20
sec-Butylbenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	99	0.271	0.271	0.04	0.04	0.0	70 - 130	20
Tetrahydrofuran	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	107	2.37	2.34	0.63	0.62	1.6	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	121	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	132	1.80	1.74	0.32	0.31	3.2	70 - 130	20
Trichlorotrifluoroethane	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	106	106	96	98	97	98	97	1.0	70 - 130	20

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

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

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


 Phyllis Shiller, Laboratory Director
 June 17, 2014

Sample Criteria Exceedences Report

GBG23787 - 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.





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



NY Temperature Narration

June 17, 2014

SDG I.D.: GBG23787

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



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 | of |

Data Delivery:

Fax #:
 Email:
 Phone #:

Report to:

Customer: EBC

Address: 1808 Middle Country Rd
 Ridge, NY

Sampled by: D. Mosca S. Chen

Invoice to: EBC

Project Name: 845 Grand Street

Criteria Requested: Deliverable: RCP

MCP

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgassing 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
													Ambient/Indoor Air	Soil Gas	
B3987	SG1	487	6.2	-30"		3109		1015	1244	3-25-14	-30	-4	X		X
B3988	SG2	455				4957		1028	1213	3-25-14	-30	-6			X
B3989	SG3	464				5041		1300	1435		-29	-7			X
	* SG4	2855				4992									
B3990	SG5	13686				5853		1022	1240		-30	-5			X
	** SG6	13634				3407		1023	1120		-30	-3			

Relinquished by:

Accepted by:

Date:

Time:

Data Format:

Signature: *[Signature]* Date: 3/27/14
 Signature: *[Signature]* Date: 3/27/14

Excel Equis GISKey
 PDF Other:

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

* Do not analyze
 ** Can 13634 and regulator 3407 only run for 1 hr. Do Not Analyze.

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.

Quote Number:

Date:

Signature: *[Signature]*

Sarah - Phoenixlabs

From: Sarah - Phoenixlabs [sarah@phoenixlabs.com]
Sent: Wednesday, April 23, 2014 10:55 AM
To: 'Dominick Mosca'; 'Kristen Discenza'
Subject: RE: EQUIS & ASP B packages

J

From: Dominick Mosca [<mailto:dmosca@ebcincny.com>]
Sent: Wednesday, April 23, 2014 10:52 AM
To: 'Sarah - Phoenixlabs'; 'Kristen Discenza'
Subject: RE: EQUIS & ASP B packages

Sarah,

yet another needs to be added for 845 Grand Street. This one is very recent GBG23791, it is two soil gas samples. We need the full data package and equis. Also for GBG23787 the chain of custody only has EQUIS checked, but we also need ASP B package.

Thank you,

Dominick Mosca
Environmental Scientist

EBC

Environmental Business Consultants

Ph: 631.504.6000 ext. 119

Fax: 631.924.2870

Cell: 631.786.7775

Dmosca@ebcincny.com

From: Sarah - Phoenixlabs [<mailto:sarah@phoenixlabs.com>]
Sent: Tuesday, April 22, 2014 10:34 AM
To: 'Kristen Discenza'
Cc: 'Dominick Mosca'
Subject: RE: EQUIS & ASP B packages

Ok Thanks

From: Kristen Discenza [<mailto:kdiscenza@ebcincny.com>]
Sent: Tuesday, April 22, 2014 10:32 AM
To: 'Sarah - Phoenixlabs'
Cc: 'Dominick Mosca'
Subject: EQUIS & ASP B packages

me again :) this is the week of adding data packages!

have ANOTHER one! Need to request EQUIS and ASPB data packages for:

GBD89274

GBF64048

Both reports are for 845 Grand St, Brooklyn.

Thanks,

Kristen DiScenza
Project Manager

EBC

Environmental Business Consultants

Ph: 631.504.6000 ext. 122

Fax: 631.924.2870

KDiScenza@ebcincny.com



Monday, June 16, 2014

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

Project ID: 845 GRAND ST
Sample ID#s: BD89274 - BD89275

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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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Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants

Project: 845 GRAND ST

Laboratory Project: GBD89274



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

June 16, 2014

SDG I.D.: GBD89274

Environmental Business Consultants 845 GRAND ST

Methodology Summary

Semivolatile Organic Compounds

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

Volatile Organics

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

Sample Id Cross Reference

Client Id	Lab Id	Matrix
B1	BD89274	SOIL
B2	BD89275	SOIL



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

June 16, 2014

SDG I.D.: GBD89274

Environmental Business Consultants 845 GRAND ST

Laboratory Chronicle

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

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BD89274	Semivolatiles	06/07/13	06/10/13	06/11/13	KCA	Y
BD89274	Volatiles	06/07/13	06/12/13	06/12/13	HM	Y
BD89275	Semivolatiles	06/07/13	06/10/13	06/11/13	KCA	Y
BD89275	Volatiles	06/07/13	06/12/13	06/12/13	HM	Y



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

Analysis Report

June 16, 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:
Received by: SW
Analyzed by: see "By" below

Date Time
06/07/13 0:00
06/10/13 15:56

Laboratory Data

SDG ID: GBD89274
Phoenix ID: BD89274

Project ID: 845 GRAND ST
Client ID: B1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	90			%	06/10/13	JL	E160.3
Soil Extraction SVOA PAH	Completed				06/10/13	BJ/FV	SW3545
Field Extraction	Completed				06/07/13		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.2	0.68	ug/Kg	06/12/13	HM	SW8260
1,1,1-Trichloroethane	ND	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	0.59	ug/Kg	06/12/13	HM	SW8260
1,1,2-Trichloroethane	ND	4.2	0.41	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloroethane	ND	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloroethene	ND	4.2	0.91	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloropropene	ND	4.2	0.81	ug/Kg	06/12/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
1,2,3-Trichloropropane	ND	4.2	0.59	ug/Kg	06/12/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
1,2,4-Trimethylbenzene	1400	D 290	42	ug/Kg	06/12/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	4.2	1.1	ug/Kg	06/12/13	HM	SW8260
1,2-Dibromoethane	ND	4.2	1.1	ug/Kg	06/12/13	HM	SW8260
1,2-Dichlorobenzene	ND	4.2	0.46	ug/Kg	06/12/13	HM	SW8260
1,2-Dichloroethane	ND	4.2	0.37	ug/Kg	06/12/13	HM	SW8260
1,2-Dichloropropane	ND	4.2	0.59	ug/Kg	06/12/13	HM	SW8260
1,3,5-Trimethylbenzene	450	D 290	38	ug/Kg	06/12/13	HM	SW8260
1,3-Dichlorobenzene	ND	4.2	0.62	ug/Kg	06/12/13	HM	SW8260
1,3-Dichloropropane	ND	4.2	0.44	ug/Kg	06/12/13	HM	SW8260
1,4-Dichlorobenzene	ND	4.2	0.66	ug/Kg	06/12/13	HM	SW8260
2,2-Dichloropropane	ND	4.2	0.70	ug/Kg	06/12/13	HM	SW8260
2-Chlorotoluene	ND	4.2	0.67	ug/Kg	06/12/13	HM	SW8260
2-Hexanone	ND	21	1.9	ug/Kg	06/12/13	HM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2-Isopropyltoluene	ND	4.2	0.58	ug/Kg	06/12/13	HM	SW8260
4-Chlorotoluene	ND	4.2	0.48	ug/Kg	06/12/13	HM	SW8260
4-Methyl-2-pentanone	ND	21	0.99	ug/Kg	06/12/13	HM	SW8260
Acetone	ND	42	4.1	ug/Kg	06/12/13	HM	SW8260
Acrylonitrile	ND	8.3	2.3	ug/Kg	06/12/13	HM	SW8260
Benzene	6.9	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
Bromobenzene	ND	4.2	0.54	ug/Kg	06/12/13	HM	SW8260
Bromochloromethane	ND	4.2	0.61	ug/Kg	06/12/13	HM	SW8260
Bromodichloromethane	ND	4.2	0.52	ug/Kg	06/12/13	HM	SW8260
Bromoform	ND	4.2	0.58	ug/Kg	06/12/13	HM	SW8260
Bromomethane	ND	4.2	3.2	ug/Kg	06/12/13	HM	SW8260
Carbon Disulfide	ND	4.2	0.68	ug/Kg	06/12/13	HM	SW8260
Carbon tetrachloride	ND	4.2	0.48	ug/Kg	06/12/13	HM	SW8260
Chlorobenzene	ND	4.2	0.62	ug/Kg	06/12/13	HM	SW8260
Chloroethane	ND	4.2	0.98	ug/Kg	06/12/13	HM	SW8260
Chloroform	ND	4.2	0.76	ug/Kg	06/12/13	HM	SW8260
Chloromethane	ND	4.2	2.2	ug/Kg	06/12/13	HM	SW8260
cis-1,2-Dichloroethene	ND	4.2	0.91	ug/Kg	06/12/13	HM	SW8260
cis-1,3-Dichloropropene	ND	4.2	0.45	ug/Kg	06/12/13	HM	SW8260
Dibromochloromethane	ND	4.2	0.47	ug/Kg	06/12/13	HM	SW8260
Dibromomethane	ND	4.2	0.53	ug/Kg	06/12/13	HM	SW8260
Dichlorodifluoromethane	ND	4.2	1.1	ug/Kg	06/12/13	HM	SW8260
Ethylbenzene	230	E 4.2	0.76	ug/Kg	06/12/13	HM	SW8260
Hexachlorobutadiene	ND	4.2	0.88	ug/Kg	06/12/13	HM	SW8260
Isopropylbenzene	94	4.2	0.80	ug/Kg	06/12/13	HM	SW8260
m&p-Xylene	590	D 290	110	ug/Kg	06/12/13	HM	SW8260
Methyl Ethyl Ketone	ND	25	3.6	ug/Kg	06/12/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	8.3	1.2	ug/Kg	06/12/13	HM	SW8260
Methylene chloride	ND	4.2	0.68	ug/Kg	06/12/13	HM	SW8260
Naphthalene	290	D 290	78	ug/Kg	06/12/13	HM	SW8260
n-Butylbenzene	170	E 4.2	0.76	ug/Kg	06/12/13	HM	SW8260
n-Propylbenzene	420	E 4.2	0.75	ug/Kg	06/12/13	HM	SW8260
o-Xylene	100	4.2	1.6	ug/Kg	06/12/13	HM	SW8260
p-Isopropyltoluene	34	4.2	0.60	ug/Kg	06/12/13	HM	SW8260
sec-Butylbenzene	58	4.2	0.78	ug/Kg	06/12/13	HM	SW8260
Styrene	ND	4.2	1.2	ug/Kg	06/12/13	HM	SW8260
tert-Butylbenzene	ND	4.2	0.67	ug/Kg	06/12/13	HM	SW8260
Tetrachloroethene	ND	4.2	0.88	ug/Kg	06/12/13	HM	SW8260
Tetrahydrofuran (THF)	ND	8.3	3.8	ug/Kg	06/12/13	HM	SW8260
Toluene	9.6	4.2	0.66	ug/Kg	06/12/13	HM	SW8260
trans-1,2-Dichloroethene	ND	4.2	0.83	ug/Kg	06/12/13	HM	SW8260
trans-1,3-Dichloropropene	ND	4.2	0.85	ug/Kg	06/12/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	8.3	7.7	ug/Kg	06/12/13	HM	SW8260
Trichloroethene	ND	4.2	0.88	ug/Kg	06/12/13	HM	SW8260
Trichlorofluoromethane	ND	4.2	0.93	ug/Kg	06/12/13	HM	SW8260
Trichlorotrifluoroethane	ND	4.2	0.65	ug/Kg	06/12/13	HM	SW8260
Vinyl chloride	ND	4.2	1.4	ug/Kg	06/12/13	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	06/12/13	HM	70 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Bromofluorobenzene	117			%	06/12/13	HM	59 - 113 % ³
% Dibromofluoromethane	96			%	06/12/13	HM	70 - 130 %
% Toluene-d8	107			%	06/12/13	HM	84 - 138 %

Semivolatiles

Acenaphthene	ND	250	110	ug/Kg	06/11/13	KCA	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	06/11/13	KCA	SW 8270
Anthracene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Chrysene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Fluoranthene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Fluorene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	06/11/13	KCA	SW 8270
Naphthalene	ND	250	100	ug/Kg	06/11/13	KCA	SW 8270
Phenanthrene	ND	250	100	ug/Kg	06/11/13	KCA	SW 8270
Pyrene	ND	250	130	ug/Kg	06/11/13	KCA	SW 8270

QA/QC Surrogates

% 2-Fluorobiphenyl	79			%	06/11/13	KCA	30 - 115 %
% Nitrobenzene-d5	73			%	06/11/13	KCA	23 - 120 %
% Terphenyl-d14	109			%	06/11/13	KCA	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.

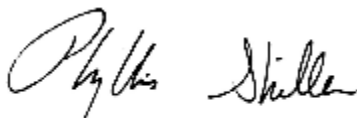
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
 BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

E = Estimated value. Sample result was above the calibration range. Subsequent dilution did not correlate well with original analysis results.

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

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

June 16, 2014

Reviewed and Released by: Tina Covensky



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

Analysis Report

June 16, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

06/07/13
 06/10/13

Time

0:00
 15:56

Laboratory Data

SDG ID: GBD89274
 Phoenix ID: BD89275

Project ID: 845 GRAND ST
 Client ID: B2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	89			%	06/10/13	JL	E160.3
Soil Extraction SVOA PAH	Completed				06/10/13	BJ/FV	SW3545
Field Extraction	Completed				06/07/13		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	1200	190	ug/Kg	06/12/13	HM	SW8260
1,1,1-Trichloroethane	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	1200	160	ug/Kg	06/12/13	HM	SW8260
1,1,2-Trichloroethane	ND	1200	110	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloroethane	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloroethene	ND	1200	250	ug/Kg	06/12/13	HM	SW8260
1,1-Dichloropropene	ND	1200	220	ug/Kg	06/12/13	HM	SW8260
1,2,3-Trichlorobenzene	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
1,2,3-Trichloropropane	ND	1200	160	ug/Kg	06/12/13	HM	SW8260
1,2,4-Trichlorobenzene	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
1,2,4-Trimethylbenzene	5500	1200	170	ug/Kg	06/12/13	HM	SW8260
1,2-Dibromo-3-chloropropane	ND	1200	310	ug/Kg	06/12/13	HM	SW8260
1,2-Dibromoethane	ND	1200	310	ug/Kg	06/12/13	HM	SW8260
1,2-Dichlorobenzene	ND	1200	130	ug/Kg	06/12/13	HM	SW8260
1,2-Dichloroethane	ND	1200	100	ug/Kg	06/12/13	HM	SW8260
1,2-Dichloropropane	ND	1200	160	ug/Kg	06/12/13	HM	SW8260
1,3,5-Trimethylbenzene	1400	1200	150	ug/Kg	06/12/13	HM	SW8260
1,3-Dichlorobenzene	ND	1200	170	ug/Kg	06/12/13	HM	SW8260
1,3-Dichloropropane	ND	1200	120	ug/Kg	06/12/13	HM	SW8260
1,4-Dichlorobenzene	ND	1200	180	ug/Kg	06/12/13	HM	SW8260
2,2-Dichloropropane	ND	1200	190	ug/Kg	06/12/13	HM	SW8260
2-Chlorotoluene	ND	1200	180	ug/Kg	06/12/13	HM	SW8260
2-Hexanone	ND	5800	520	ug/Kg	06/12/13	HM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2-Isopropyltoluene	ND	1200	160	ug/Kg	06/12/13	HM	SW8260
4-Chlorotoluene	ND	1200	130	ug/Kg	06/12/13	HM	SW8260
4-Methyl-2-pentanone	ND	5800	270	ug/Kg	06/12/13	HM	SW8260
Acetone	ND	12000	1100	ug/Kg	06/12/13	HM	SW8260
Acrylonitrile	ND	2300	650	ug/Kg	06/12/13	HM	SW8260
Benzene	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
Bromobenzene	ND	1200	150	ug/Kg	06/12/13	HM	SW8260
Bromochloromethane	ND	1200	170	ug/Kg	06/12/13	HM	SW8260
Bromodichloromethane	ND	1200	140	ug/Kg	06/12/13	HM	SW8260
Bromoform	ND	1200	160	ug/Kg	06/12/13	HM	SW8260
Bromomethane	ND	1200	890	ug/Kg	06/12/13	HM	SW8260
Carbon Disulfide	ND	1200	190	ug/Kg	06/12/13	HM	SW8260
Carbon tetrachloride	ND	1200	130	ug/Kg	06/12/13	HM	SW8260
Chlorobenzene	ND	1200	170	ug/Kg	06/12/13	HM	SW8260
Chloroethane	ND	1200	270	ug/Kg	06/12/13	HM	SW8260
Chloroform	ND	1200	210	ug/Kg	06/12/13	HM	SW8260
Chloromethane	ND	1200	600	ug/Kg	06/12/13	HM	SW8260
cis-1,2-Dichloroethene	ND	1200	250	ug/Kg	06/12/13	HM	SW8260
cis-1,3-Dichloropropene	ND	1200	120	ug/Kg	06/12/13	HM	SW8260
Dibromochloromethane	ND	1200	130	ug/Kg	06/12/13	HM	SW8260
Dibromomethane	ND	1200	150	ug/Kg	06/12/13	HM	SW8260
Dichlorodifluoromethane	ND	1200	310	ug/Kg	06/12/13	HM	SW8260
Ethylbenzene	1300	1200	210	ug/Kg	06/12/13	HM	SW8260
Hexachlorobutadiene	ND	1200	240	ug/Kg	06/12/13	HM	SW8260
Isopropylbenzene	ND	1200	220	ug/Kg	06/12/13	HM	SW8260
m&p-Xylene	5000	1200	450	ug/Kg	06/12/13	HM	SW8260
Methyl Ethyl Ketone	ND	6900	1000	ug/Kg	06/12/13	HM	SW8260
Methyl t-butyl ether (MTBE)	ND	2300	320	ug/Kg	06/12/13	HM	SW8260
Methylene chloride	520	JBS 1200	190	ug/Kg	06/12/13	HM	SW8260
Naphthalene	1200	1200	310	ug/Kg	06/12/13	HM	SW8260
n-Butylbenzene	350	J 1200	210	ug/Kg	06/12/13	HM	SW8260
n-Propylbenzene	750	J 1200	210	ug/Kg	06/12/13	HM	SW8260
o-Xylene	1900	1200	440	ug/Kg	06/12/13	HM	SW8260
p-Isopropyltoluene	ND	1200	170	ug/Kg	06/12/13	HM	SW8260
sec-Butylbenzene	ND	1200	220	ug/Kg	06/12/13	HM	SW8260
Styrene	ND	1200	330	ug/Kg	06/12/13	HM	SW8260
tert-Butylbenzene	ND	1200	180	ug/Kg	06/12/13	HM	SW8260
Tetrachloroethene	ND	1200	240	ug/Kg	06/12/13	HM	SW8260
Tetrahydrofuran (THF)	ND	2300	1000	ug/Kg	06/12/13	HM	SW8260
Toluene	980	J 1200	180	ug/Kg	06/12/13	HM	SW8260
trans-1,2-Dichloroethene	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
trans-1,3-Dichloropropene	ND	1200	230	ug/Kg	06/12/13	HM	SW8260
trans-1,4-dichloro-2-butene	ND	2300	2100	ug/Kg	06/12/13	HM	SW8260
Trichloroethene	ND	1200	240	ug/Kg	06/12/13	HM	SW8260
Trichlorofluoromethane	ND	1200	260	ug/Kg	06/12/13	HM	SW8260
Trichlorotrifluoroethane	ND	1200	180	ug/Kg	06/12/13	HM	SW8260
Vinyl chloride	ND	1200	370	ug/Kg	06/12/13	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	06/12/13	HM	70 - 121 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Bromofluorobenzene	100			%	06/12/13	HM	59 - 113 %
% Dibromofluoromethane	100			%	06/12/13	HM	70 - 130 %
% Toluene-d8	102			%	06/12/13	HM	84 - 138 %
<u>Semivolatiles</u>							
Acenaphthene	ND	260	110	ug/Kg	06/11/13	KCA	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	06/11/13	KCA	SW 8270
Anthracene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	06/11/13	KCA	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Chrysene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Fluoranthene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Fluorene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	06/11/13	KCA	SW 8270
Naphthalene	390	260	110	ug/Kg	06/11/13	KCA	SW 8270
Phenanthrene	ND	260	100	ug/Kg	06/11/13	KCA	SW 8270
Pyrene	ND	260	130	ug/Kg	06/11/13	KCA	SW 8270
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	80			%	06/11/13	KCA	30 - 115 %
% Nitrobenzene-d5	78			%	06/11/13	KCA	23 - 120 %
% Terphenyl-d14	98			%	06/11/13	KCA	18 - 137 %

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

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

Comments:

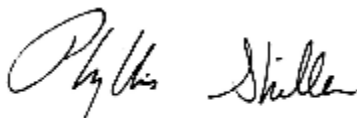
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

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

June 16, 2014

Reviewed and Released by: Tina Covensky



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



QA/QC Report

June 16, 2014

QA/QC Data

SDG I.D.: GBD89274

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 234171, QC Sample No: BD88851 (BD89274, BD89275)										
Polynuclear Aromatic HC - Soil										
Acenaphthene	ND	92	83	10.3	44	94	72.5	30 - 130	30	r
Acenaphthylene	ND	94	85	10.1	46	94	68.6	30 - 130	30	r
Anthracene	ND	101	91	10.4	47	97	69.4	30 - 130	30	r
Benz(a)anthracene	ND	99	92	7.3	49	99	67.6	30 - 130	30	r
Benzo(a)pyrene	ND	88	83	5.8	42	88	70.8	30 - 130	30	r
Benzo(b)fluoranthene	ND	107	96	10.8	51	109	72.5	30 - 130	30	r
Benzo(ghi)perylene	ND	105	98	6.9	51	101	65.8	30 - 130	30	r
Benzo(k)fluoranthene	ND	106	95	10.9	50	107	72.6	30 - 130	30	r
Chrysene	ND	112	104	7.4	55	112	68.3	30 - 130	30	r
Dibenz(a,h)anthracene	ND	109	102	6.6	52	107	69.2	30 - 130	30	r
Fluoranthene	ND	116	106	9.0	54	109	67.5	30 - 130	30	r
Fluorene	ND	102	92	10.3	48	102	72.0	30 - 130	30	r
Indeno(1,2,3-cd)pyrene	ND	107	101	5.8	52	105	67.5	30 - 130	30	r
Naphthalene	ND	92	85	7.9	44	92	70.6	30 - 130	30	r
Phenanthrene	ND	102	95	7.1	50	102	68.4	30 - 130	30	r
Pyrene	ND	117	106	9.9	54	108	66.7	30 - 130	30	r
% 2-Fluorobiphenyl	96	93	83	11.4	49	94	62.9	30 - 115	30	r
% Nitrobenzene-d5	87	84	76	10.0	47	85	57.6	23 - 120	30	r
% Terphenyl-d14	121	120	108	10.5	61	109	56.5	18 - 137	30	r
QA/QC Batch 234826, QC Sample No: BD89255 (BD89275 (217X))										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	111	115	3.5	102	100	2.0	70 - 130	30	
1,1,1-Trichloroethane	ND	113	110	2.7	100	98	2.0	70 - 130	30	
1,1,1,2,2-Tetrachloroethane	ND	98	101	3.0	123	122	0.8	70 - 130	30	
1,1,2-Trichloroethane	ND	112	113	0.9	95	96	1.0	70 - 130	30	
1,1-Dichloroethane	ND	107	111	3.7	104	100	3.9	70 - 130	30	
1,1-Dichloroethene	ND	99	109	9.6	109	106	2.8	70 - 130	30	
1,1-Dichloropropene	ND	111	109	1.8	102	99	3.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	105	104	1.0	43	<40	NC	70 - 130	30	m
1,2,3-Trichloropropane	ND	104	104	0.0	130	120	8.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	106	102	3.8	48	44	8.7	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	109	108	0.9	107	99	7.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	112	6.5	103	106	2.9	70 - 130	30	
1,2-Dibromoethane	ND	109	110	0.9	90	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	103	103	0.0	87	81	7.1	70 - 130	30	
1,2-Dichloroethane	ND	115	112	2.6	94	92	2.2	70 - 130	30	
1,2-Dichloropropane	ND	105	110	4.7	102	101	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	116	105	10.0	116	105	10.0	70 - 130	30	
1,3-Dichlorobenzene	ND	105	104	1.0	94	85	10.1	70 - 130	30	
1,3-Dichloropropane	ND	104	110	5.6	105	102	2.9	70 - 130	30	
1,4-Dichlorobenzene	ND	105	104	1.0	90	83	8.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBD89274

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,2-Dichloropropane	ND	110	110	0.0	99	96	3.1	70 - 130	30	
2-Chlorotoluene	ND	106	105	0.9	116	107	8.1	70 - 130	30	
2-Hexanone	ND	83	88	5.8	52	51	1.9	70 - 130	30	m
2-Isopropyltoluene	ND	107	106	0.9	113	98	14.2	70 - 130	30	
4-Chlorotoluene	ND	103	103	0.0	109	98	10.6	70 - 130	30	
4-Methyl-2-pentanone	ND	105	106	0.9	63	64	1.6	70 - 130	30	m
Acetone	ND	63	59	6.6	60	77	24.8	70 - 130	30	l,m
Acrylonitrile	ND	98	109	10.6	75	78	3.9	70 - 130	30	
Benzene	ND	103	106	2.9	102	100	2.0	70 - 130	30	
Bromobenzene	ND	105	104	1.0	113	105	7.3	70 - 130	30	
Bromochloromethane	ND	105	112	6.5	104	101	2.9	70 - 130	30	
Bromodichloromethane	ND	113	110	2.7	95	94	1.1	70 - 130	30	
Bromoform	ND	107	111	3.7	91	92	1.1	70 - 130	30	
Bromomethane	ND	105	111	5.6	87	81	7.1	70 - 130	30	
Carbon Disulfide	ND	103	112	8.4	102	97	5.0	70 - 130	30	
Carbon tetrachloride	ND	117	113	3.5	99	99	0.0	70 - 130	30	
Chlorobenzene	ND	106	110	3.7	98	94	4.2	70 - 130	30	
Chloroethane	ND	111	113	1.8	109	101	7.6	70 - 130	30	
Chloroform	ND	107	109	1.9	99	95	4.1	70 - 130	30	
Chloromethane	ND	94	107	12.9	105	91	14.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	112	6.5	102	100	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	109	110	0.9	88	88	0.0	70 - 130	30	
Dibromochloromethane	ND	110	112	1.8	101	98	3.0	70 - 130	30	
Dibromomethane	ND	111	109	1.8	95	95	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	113	115	1.8	110	103	6.6	70 - 130	30	
Ethylbenzene	ND	104	106	1.9	103	99	4.0	70 - 130	30	
Hexachlorobutadiene	ND	103	103	0.0	77	52	38.8	70 - 130	30	m,r
Isopropylbenzene	ND	108	108	0.0	133	123	7.8	70 - 130	30	m
m&p-Xylene	ND	105	108	2.8	100	96	4.1	70 - 130	30	
Methyl ethyl ketone	ND	67	71	5.8	66	70	5.9	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	103	106	2.9	106	105	0.9	70 - 130	30	
Methylene chloride	1.4 JBS	100	106	5.8	114	111	2.7	70 - 130	30	
Naphthalene	ND	110	108	1.8	47	49	4.2	70 - 130	30	m
n-Butylbenzene	ND	109	107	1.9	99	81	20.0	70 - 130	30	
n-Propylbenzene	ND	106	106	0.0	123	111	10.3	70 - 130	30	
o-Xylene	ND	107	110	2.8	100	97	3.0	70 - 130	30	
p-Isopropyltoluene	ND	107	108	0.9	108	92	16.0	70 - 130	30	
sec-Butylbenzene	ND	105	106	0.9	117	99	16.7	70 - 130	30	
Styrene	ND	103	103	0.0	86	83	3.6	70 - 130	30	
tert-Butylbenzene	ND	111	110	0.9	124	109	12.9	70 - 130	30	
Tetrachloroethene	ND	104	108	3.8	107	101	5.8	70 - 130	30	
Tetrahydrofuran (THF)	ND	102	111	8.5	98	105	6.9	70 - 130	30	
Toluene	ND	106	105	0.9	97	95	2.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	106	110	3.7	104	99	4.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	110	110	0.0	85	86	1.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	146	105	32.7	99	100	1.0	70 - 130	30	l,r
Trichloroethene	ND	112	113	0.9	100	99	1.0	70 - 130	30	
Trichlorofluoromethane	ND	115	114	0.9	103	96	7.0	70 - 130	30	
Trichlorotrifluoroethane	ND	106	107	0.9	109	104	4.7	70 - 130	30	
Vinyl chloride	ND	115	117	1.7	109	103	5.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	99	98	1.0	99	97	2.0	70 - 121	30	
% Bromofluorobenzene	99	100	102	2.0	88	90	2.2	59 - 113	30	
% Dibromofluoromethane	104	97	105	7.9	105	103	1.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBD89274

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Toluene-d8	102	102	99	3.0	97	98	1.0	84 - 138	30
QA/QC Batch 234963, QC Sample No: BD89800 (BD89274 (67X))									
Volatiles - Soil									
1,2,4-Trimethylbenzene	ND	96	100	4.1	88	92	4.4	70 - 130	30
1,3,5-Trimethylbenzene	ND	93	101	8.2	89	94	5.5	70 - 130	30
m&p-Xylene	ND	97	102	5.0	92	94	2.2	70 - 130	30
Naphthalene	ND	102	104	1.9	73	79	7.9	70 - 130	30
QA/QC Batch 235151, QC Sample No: BD90623 (BD89274)									
Volatiles - Soil									
1,1,1,2-Tetrachloroethane	ND	103	105	1.9	102	103	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	97	100	3.0	103	100	3.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	99	102	3.0	110	115	4.4	70 - 130	30
1,1,2-Trichloroethane	ND	107	109	1.9	96	92	4.3	70 - 130	30
1,1-Dichloroethane	ND	102	104	1.9	103	103	0.0	70 - 130	30
1,1-Dichloroethene	ND	108	108	0.0	107	104	2.8	70 - 130	30
1,1-Dichloropropene	ND	102	105	2.9	97	95	2.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	99	98	1.0	<40	<40	NC	70 - 130	30 m
1,2,3-Trichloropropane	ND	103	104	1.0	120	120	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	94	95	1.1	<40	<40	NC	70 - 130	30 m
1,2-Dibromo-3-chloropropane	ND	109	108	0.9	102	99	3.0	70 - 130	30
1,2-Dibromoethane	ND	107	108	0.9	87	85	2.3	70 - 130	30
1,2-Dichlorobenzene	ND	99	101	2.0	75	79	5.2	70 - 130	30
1,2-Dichloroethane	ND	98	98	0.0	98	94	4.2	70 - 130	30
1,2-Dichloropropane	ND	105	107	1.9	100	100	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	99	101	2.0	76	79	3.9	70 - 130	30
1,3-Dichloropropane	ND	104	105	1.0	101	98	3.0	70 - 130	30
1,4-Dichlorobenzene	ND	100	101	1.0	72	76	5.4	70 - 130	30
2,2-Dichloropropane	ND	97	97	0.0	99	96	3.1	70 - 130	30
2-Chlorotoluene	ND	102	107	4.8	99	103	4.0	70 - 130	30
2-Hexanone	ND	84	86	2.4	95	95	0.0	70 - 130	30
2-Isopropyltoluene	ND	103	105	1.9	91	88	3.4	70 - 130	30
4-Chlorotoluene	ND	98	101	3.0	89	92	3.3	70 - 130	30
4-Methyl-2-pentanone	ND	102	105	2.9	98	94	4.2	70 - 130	30
Acetone	ND	58	61	5.0	85	104	20.1	70 - 130	30 l
Acrylonitrile	ND	106	108	1.9	97	90	7.5	70 - 130	30
Benzene	ND	105	107	1.9	100	99	1.0	70 - 130	30
Bromobenzene	ND	101	104	2.9	95	103	8.1	70 - 130	30
Bromochloromethane	ND	106	109	2.8	102	99	3.0	70 - 130	30
Bromodichloromethane	ND	99	101	2.0	98	96	2.1	70 - 130	30
Bromoform	ND	104	104	0.0	93	91	2.2	70 - 130	30
Bromomethane	ND	106	102	3.8	104	104	0.0	70 - 130	30
Carbon Disulfide	ND	110	112	1.8	103	97	6.0	70 - 130	30
Carbon tetrachloride	ND	101	100	1.0	102	98	4.0	70 - 130	30
Chlorobenzene	ND	104	105	1.0	89	89	0.0	70 - 130	30
Chloroethane	ND	103	102	1.0	111	108	2.7	70 - 130	30
Chloroform	ND	99	100	1.0	102	99	3.0	70 - 130	30
Chloromethane	ND	102	96	6.1	109	102	6.6	70 - 130	30
cis-1,2-Dichloroethene	ND	108	111	2.7	95	96	1.0	70 - 130	30
cis-1,3-Dichloropropene	ND	103	105	1.9	89	88	1.1	70 - 130	30
Dibromochloromethane	ND	102	104	1.9	101	101	0.0	70 - 130	30
Dibromomethane	ND	103	104	1.0	94	91	3.2	70 - 130	30
Dichlorodifluoromethane	ND	111	111	0.0	120	114	5.1	70 - 130	30

QA/QC Data

SDG I.D.: GBD89274

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Ethylbenzene	ND	102	104	1.9	93	92	1.1	70 - 130	30	
Hexachlorobutadiene	ND	97	97	0.0	50	<40	NC	70 - 130	30	m
Isopropylbenzene	ND	107	110	2.8	112	112	0.0	70 - 130	30	
Methyl ethyl ketone	ND	71	71	0.0	90	90	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	101	1.0	107	104	2.8	70 - 130	30	
Methylene chloride	ND	100	103	3.0	106	103	2.9	70 - 130	30	
n-Butylbenzene	ND	100	101	1.0	75	66	12.8	70 - 130	30	m
n-Propylbenzene	ND	103	106	2.9	101	96	5.1	70 - 130	30	
o-Xylene	ND	104	107	2.8	93	92	1.1	70 - 130	30	
p-Isopropyltoluene	ND	102	105	2.9	89	83	7.0	70 - 130	30	
sec-Butylbenzene	ND	101	103	2.0	93	85	9.0	70 - 130	30	
Styrene	ND	99	102	3.0	82	82	0.0	70 - 130	30	
tert-Butylbenzene	ND	106	110	3.7	103	97	6.0	70 - 130	30	
Tetrachloroethene	ND	103	103	0.0	99	95	4.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	110	0.9	99	97	2.0	70 - 130	30	
Toluene	ND	104	107	2.8	91	92	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	107	108	0.9	95	94	1.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	101	103	2.0	80	82	2.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	105	109	3.7	91	95	4.3	70 - 130	30	
Trichloroethene	ND	110	112	1.8	96	94	2.1	70 - 130	30	
Trichlorofluoromethane	ND	99	100	1.0	108	105	2.8	70 - 130	30	
Trichlorotrifluoroethane	ND	104	106	1.9	106	100	5.8	70 - 130	30	
Vinyl chloride	ND	114	115	0.9	106	107	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	103	100	98	2.0	101	99	2.0	70 - 121	30	
% Bromofluorobenzene	96	96	98	2.1	90	90	0.0	59 - 113	30	
% Dibromofluoromethane	103	100	101	1.0	106	101	4.8	70 - 130	30	
% Toluene-d8	101	100	100	0.0	96	97	1.0	84 - 138	30	

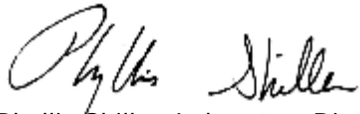
l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

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

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
 June 16, 2014

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBD89274 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD89275	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	1200	210	210	ug/Kg
BD89275	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential Restricted	ND	1200	900	900	ug/Kg
BD89275	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	20	20	ug/Kg
BD89275	\$8260MADPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	330	330	ug/Kg
BD89275	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	12000	50	50	ug/Kg
BD89275	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	520	1200	50	50	ug/Kg
BD89275	\$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	190	190	ug/Kg
BD89275	\$8260MADPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	270	270	ug/Kg
BD89275	\$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	250	250	ug/Kg
BD89275	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6900	120	120	ug/Kg
BD89275	\$8260MADPR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	370	370	ug/Kg
BD89275	\$8260MADPR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	680	680	ug/Kg
BD89275	\$8260MADPR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2300	930	930	ug/Kg
BD89275	\$8260MADPR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	760	760	ug/Kg
BD89275	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	60	60	ug/Kg
BD89275	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	20	20	ug/Kg
BD89275	\$8260MADPR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	470	470	ug/Kg
BD89275	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	980	1200	700	700	ug/Kg
BD89275	\$8260MADPR	Chlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	1100	1100	ug/Kg
BD89275	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1300	1200	1000	1000	ug/Kg
BD89275	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	5500	1200	3600	3600	ug/Kg
BD89275	\$8260MADPR	1,2-Dichlorobenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1200	1100	1100	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

June 16, 2014

SDG I.D.: GBD89274

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

Sarah - Phoenixlabs

From: Kristen Discenza [kdiscenza@ebcincny.com]
Sent: Tuesday, April 22, 2014 10:32 AM
To: 'Sarah - Phoenixlabs'
Cc: 'Dominick Mosca'
Subject: EQUIS & ASP B packages

me again :) this is the week of adding data packages!

have ANOTHER one! Need to request EQUIS and ASPB data packages for:

GBD89274
GBF64048

Both reports are for 845 Grand St, Brooklyn.

Thanks,

Kristen DiScenza
Project Manager

EBC

Environmental Business Consultants

Ph: 631.504.6000 ext. 122

Fax: 631.924.2870

KDiScenza@ebcincny.com



Monday, May 05, 2014

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

Project ID: 845 GRAND ST BROOKLYN
Sample ID#s: BG20691 - BG20705

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 845 GRAND ST BROOKLYN
Laboratory Project: GBG20691



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



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May 05, 2014

SDG I.D.: GBG20691

Environmental Business Consultants 845 GRAND ST BROOKLYN

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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

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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Sample Id Cross Reference

Client Id	Lab Id	Matrix
SB1 12-14	BG20691	SOIL
SB2 12-14	BG20692	SOIL
SB3 12-14	BG20693	SOIL
SB4 12-14	BG20694	SOIL
SB5 12-14	BG20695	SOIL
SB6 12-14	BG20696	SOIL
SB6 25-26	BG20697	SOIL
SB6 26-27	BG20698	SOIL
SB8 12-14	BG20699	SOIL
SB9 12-14	BG20700	SOIL
SB9 15 FT	BG20701	SOIL
SB9 25 FT	BG20702	SOIL
DUPLICATE	BG20703	SOIL
TRIP BLANK LL	BG20704	SOIL
TRIP BLANK HL	BG20705	SOIL



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Laboratory Chronicle

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

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BG20691	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20691	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20691	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20691	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Semivolatiles	03/18/14	03/19/14	03/19/14	DD	Y
BG20691	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20691	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20691	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y



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BG20692	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20692	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20692	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20692	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20692	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20692	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20692	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Mercury	03/18/14	03/20/14	03/20/14	RS	Y



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BG20693	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20693	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20693	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20693	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20693	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20693	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20694	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20694	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20694	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20694	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20694	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y



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BG20694	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20694	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20695	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20695	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20695	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20695	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20695	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20695	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Chromium	03/18/14	03/19/14	03/21/14	LK	Y



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BG20696	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20696	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20696	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20696	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20696	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20696	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20696	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20697	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20697	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y



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BG20697	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20697	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20697	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20697	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20698	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20698	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20698	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20698	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20698	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20698	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y



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BG20699	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20699	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20699	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20699	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20699	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20699	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20699	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Iron	03/18/14	03/19/14	03/21/14	LK	Y



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BG20700	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20700	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20700	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20700	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20700	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20700	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20700	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20701	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20701	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20701	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y



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BG20701	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20701	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20701	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Barium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20702	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20702	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20702	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20702	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20702	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20702	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Aluminum	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Antimony	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Arsenic	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Barium	03/18/14	03/19/14	03/21/14	LK	Y



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BG20703	Beryllium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Cadmium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Calcium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Chromium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Cobalt	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Copper	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Iron	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Lead	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Magnesium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Manganese	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Mercury	03/18/14	03/20/14	03/20/14	RS	Y
BG20703	Nickel	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Pesticides	03/18/14	03/19/14	03/21/14	CE	Y
BG20703	Polychlorinated Biphenyls	03/18/14	03/19/14	03/20/14	AW	Y
BG20703	Potassium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Selenium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Semivolatiles	03/18/14	03/19/14	03/20/14	DD	Y
BG20703	Silver	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Sodium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Thallium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Vanadium	03/18/14	03/19/14	03/21/14	LK	Y
BG20703	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20703	Zinc	03/18/14	03/19/14	03/21/14	LK	Y
BG20704	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y
BG20705	Volatiles	03/18/14	03/20/14	03/20/14	JLI	Y



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Analysis Report

May 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20691

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB1 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	03/21/14	LK	SW6010
Aluminum	9140	33	6.7	mg/Kg	03/21/14	LK	SW6010
Arsenic	2.2	0.7	0.67	mg/Kg	03/21/14	LK	SW6010
Barium	28.3	0.7	0.13	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.61	0.27	0.13	mg/Kg	03/21/14	LK	SW6010
Calcium	703	N 3.3	3.1	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.29	B 0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Cobalt	7.92	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Chromium	21.7	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Copper	16.0	0.33	0.27	mg/kg	03/21/14	LK	SW6010
Iron	28500	33	33	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.08	0.08	0.05	mg/Kg	03/20/14	RS	SW-7471
Potassium	1070	N 7	2.6	mg/Kg	03/21/14	LK	SW6010
Magnesium	1790	3.3	0.20	mg/Kg	03/21/14	LK	SW6010
Manganese	329	3.3	1.3	mg/Kg	03/21/14	LK	SW6010
Sodium	73	7	2.9	mg/Kg	03/21/14	LK	SW6010
Nickel	15.5	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Lead	6.6	0.7	0.20	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	03/21/14	LK	SW6010
Vanadium	42.7	0.3	0.13	mg/Kg	03/21/14	LK	SW6010
Zinc	30.9	N* 0.7	0.33	mg/Kg	03/21/14	LK	SW6010
Percent Solid	89			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	96			%	03/20/14	AW	30 - 150 %
% TCMX	91			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.7	2.7	ug/Kg	03/21/14	C\M	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	03/21/14	C\M	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/21/14	C\M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C\M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C\M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C\M	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	03/21/14	C\M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C\M	SW8081

QA/QC Surrogates

% DCBP	95			%	03/21/14	C\M	30 - 150 %
% TCMX	89			%	03/21/14	C\M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.2	0.70	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	7.2	1.6	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.2	1.9	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	7.2	1.9	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.2	0.79	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	7.2	0.63	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.2	0.95	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.2	1.1	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	7.2	0.76	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.2	1.1	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	36	3.2	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	7.2	0.99	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	7.2	0.83	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	36	1.7	ug/Kg	03/20/14	JLI	SW8260
Acetone	10	JS 50	7.1	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	14	4.0	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	7.2	0.93	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	7.2	0.89	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	7.2	5.5	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	7.2	0.83	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	7.2	1.1	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	7.2	1.7	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	7.2	1.3	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	7.2	3.8	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.2	1.6	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.2	0.78	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	7.2	0.81	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	7.2	0.91	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.2	1.9	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	7.2	1.3	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	7.2	1.5	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	7.2	2.8	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	43	6.2	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	14	2.0	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	7.2	1.9	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	7.2	1.3	ug/Kg	03/20/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	7.2	1.3	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	7.2	2.7	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	7.2	1.0	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	7.2	2.1	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	7.2	1.2	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	7.2	1.5	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	7.4	J 14	6.5	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	7.2	1.1	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.2	1.4	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.2	1.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	14	13	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	7.2	1.5	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	7.2	1.6	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.2	1.1	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	7.2	2.3	ug/Kg	03/20/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	99			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	105			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	100			%	03/20/14	JLI	84 - 138 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/19/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/19/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/19/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	03/19/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/19/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/19/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/19/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	03/19/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	03/19/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/19/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	03/19/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	03/19/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/19/14	DD	SW 8270

Client ID: SB1 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/19/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/19/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Aniline	ND	1800	750	ug/Kg	03/19/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	03/19/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	03/19/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	95	ug/Kg	03/19/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/19/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	03/19/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	03/19/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/19/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/19/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/19/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/19/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/19/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/19/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/19/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	03/19/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76			%	03/19/14	DD	19 - 122 %
% 2-Fluorobiphenyl	63			%	03/19/14	DD	30 - 115 %

Client ID: SB1 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	66			%	03/19/14	DD	25 - 121 %
% Nitrobenzene-d5	62			%	03/19/14	DD	23 - 120 %
% Phenol-d5	64			%	03/19/14	DD	24 - 113 %
% Terphenyl-d14	78			%	03/19/14	DD	18 - 137 %

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

B = Present in blank, no bias suspected.

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

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

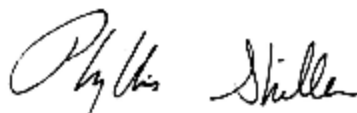
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20692

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB2 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	03/21/14	LK	SW6010
Aluminum	5650	33	6.6	mg/Kg	03/21/14	LK	SW6010
Arsenic	3.2	0.7	0.66	mg/Kg	03/21/14	LK	SW6010
Barium	36.2	0.7	0.13	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.44	0.26	0.13	mg/Kg	03/21/14	LK	SW6010
Calcium	926	N 3.3	3.0	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.56	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Cobalt	8.68	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Chromium	16.1	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Copper	12.1	0.33	0.26	mg/kg	03/21/14	LK	SW6010
Iron	38000	33	33	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.08	0.08	0.05	mg/Kg	03/20/14	RS	SW-7471
Potassium	1170	N 7	2.6	mg/Kg	03/21/14	LK	SW6010
Magnesium	1660	3.3	0.20	mg/Kg	03/21/14	LK	SW6010
Manganese	617	3.3	1.3	mg/Kg	03/21/14	LK	SW6010
Sodium	87	7	2.8	mg/Kg	03/21/14	LK	SW6010
Nickel	12.3	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Lead	7.3	0.7	0.20	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	03/21/14	LK	SW6010
Vanadium	23.1	0.3	0.13	mg/Kg	03/21/14	LK	SW6010
Zinc	23.5	N* 0.7	0.33	mg/Kg	03/21/14	LK	SW6010
Percent Solid	90			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	95			%	03/20/14	AW	30 - 150 %
% TCMX	89			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	94			%	03/21/14	C/M	30 - 150 %
% TCMX	88			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.4	0.91	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.4	0.63	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	6.4	1.4	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.4	0.91	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.4	0.92	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.4	1.7	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	6.4	1.7	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.4	0.70	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	6.4	0.56	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	6.4	0.91	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.4	0.84	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.4	0.95	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	6.4	0.68	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	6.4	1.1	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	32	2.9	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	6.4	0.88	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	6.4	0.74	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	32	1.5	ug/Kg	03/20/14	JLI	SW8260
Acetone	14	JS 50	6.4	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	13	3.6	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	6.4	0.83	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	6.4	0.93	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	6.4	0.79	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	6.4	0.89	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	6.4	4.9	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	6.4	0.74	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	6.4	0.95	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	6.4	1.5	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	6.4	3.3	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.4	1.4	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.4	0.69	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	6.4	0.72	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	6.4	0.81	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.4	1.7	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	6.4	2.5	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	38	5.5	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	6.4	1.7	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260

1

B

Client ID: SB2 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	6.4	2.4	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	6.4	0.92	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	6.4	1.2	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	6.4	1.8	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	5.8	J 13	5.8	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.4	1.3	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	6.4	1.4	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	6.4	1.4	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.4	1.0	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	6.4	2.1	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	108			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	101			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	730	220	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	57			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	46			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	51			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	45			%	03/20/14	DD	23 - 120 %
% Phenol-d5	52			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	70			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20693

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB3 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	03/21/14	LK	SW6010
Aluminum	5400	36	7.2	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.8	0.7	0.72	mg/Kg	03/21/14	LK	SW6010
Barium	27.3	0.7	0.14	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.76	0.29	0.14	mg/Kg	03/21/14	LK	SW6010
Calcium	711	N 3.6	3.3	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.30	B 0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Cobalt	6.79	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Chromium	16.2	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Copper	20.4	0.36	0.29	mg/kg	03/21/14	LK	SW6010
Iron	23200	36	36	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.08	0.08	0.05	mg/Kg	03/20/14	RS	SW-7471
Potassium	1030	N 7	2.8	mg/Kg	03/21/14	LK	SW6010
Magnesium	1610	3.6	0.21	mg/Kg	03/21/14	LK	SW6010
Manganese	232	3.6	1.4	mg/Kg	03/21/14	LK	SW6010
Sodium	74	7	3.1	mg/Kg	03/21/14	LK	SW6010
Nickel	10.7	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Lead	6.8	0.7	0.21	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	03/21/14	LK	SW6010
Vanadium	22.8	0.4	0.14	mg/Kg	03/21/14	LK	SW6010
Zinc	26.4	N* 0.7	0.36	mg/Kg	03/21/14	LK	SW6010
Percent Solid	92			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	93			%	03/20/14	AW	30 - 150 %
% TCMX	87			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	21	21	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.1	7.1	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	90			%	03/21/14	C/M	30 - 150 %
% TCMX	83			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.6	0.75	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	4.6	0.91	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	0.65	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	4.6	0.45	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	4.6	0.90	ug/Kg	03/20/14	JLI	SW8260

Client ID: SB3 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	4.6	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	4.6	0.89	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	4.6	0.91	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	4.6	0.65	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	4.6	0.91	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	4.6	0.66	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	4.6	1.2	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	4.6	1.2	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	4.6	0.50	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	4.6	0.40	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	4.6	0.65	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.6	0.60	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	4.6	0.68	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	4.6	0.48	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	4.6	0.72	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	4.6	0.77	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	4.6	0.73	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	23	2.1	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	4.6	0.63	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	4.6	0.53	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	23	1.1	ug/Kg	03/20/14	JLI	SW8260
Acetone	6.9	JS 46	4.5	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	9.1	2.6	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	4.6	0.90	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	4.6	0.59	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	4.6	0.67	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	4.6	0.57	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	4.6	0.64	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	4.6	3.5	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	4.6	0.74	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	4.6	0.53	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	4.6	0.68	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	4.6	1.1	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	4.6	0.83	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	4.6	2.4	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	4.6	1.0	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	4.6	0.49	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	4.6	0.51	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	4.6	0.58	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	4.6	1.2	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	4.6	0.83	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	4.6	0.96	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	4.6	0.88	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	4.6	1.8	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	27	4.0	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	9.1	1.3	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	4.6	0.75	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	4.6	1.2	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	4.6	0.83	ug/Kg	03/20/14	JLI	SW8260

1

B

Client ID: SB3 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	4.6	0.82	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	4.6	1.7	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	4.6	0.66	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	4.6	0.86	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	4.6	1.3	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	4.6	0.73	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	4.6	0.96	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	5.0	J 9.1	4.1	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	4.6	0.72	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	4.6	0.91	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	4.6	0.93	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	9.1	8.5	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	4.6	0.97	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	4.6	1.0	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	4.6	0.71	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	4.6	1.5	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	104			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	100			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	710	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	380	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	710	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	720	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	710	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	710	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	92	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	96	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	250	95	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	250	92	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	250	88	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	63			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	53			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	54			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	51			%	03/20/14	DD	23 - 120 %
% Phenol-d5	52			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	66			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20694

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB4 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.24	mg/Kg	03/21/14	LK	SW6010
Aluminum	4970	40	8.1	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.0	0.8	0.81	mg/Kg	03/21/14	LK	SW6010
Barium	29.0	0.8	0.16	mg/Kg	03/21/14	LK	SW6010
Beryllium	< 0.32	0.32	0.16	mg/Kg	03/21/14	LK	SW6010
Calcium	619	N 4.0	3.7	mg/Kg	03/21/14	LK	SW6010
Cadmium	< 0.40	0.40	0.16	mg/Kg	03/21/14	LK	SW6010
Cobalt	0.29	B 0.40	0.16	mg/Kg	03/21/14	LK	SW6010
Chromium	15.0	0.40	0.16	mg/Kg	03/21/14	LK	SW6010
Copper	4.91	0.40	0.32	mg/kg	03/21/14	LK	SW6010
Iron	11400	40	40	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.08	0.08	0.05	mg/Kg	03/20/14	RS	SW-7471
Potassium	463	N 8	3.1	mg/Kg	03/21/14	LK	SW6010
Magnesium	511	4.0	0.24	mg/Kg	03/21/14	LK	SW6010
Manganese	16.5	0.40	0.16	mg/Kg	03/21/14	LK	SW6010
Sodium	51	8	3.5	mg/Kg	03/21/14	LK	SW6010
Nickel	2.61	0.40	0.16	mg/Kg	03/21/14	LK	SW6010
Lead	4.1	0.8	0.24	mg/Kg	03/21/14	LK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	03/21/14	LK	SW6010
Vanadium	18.0	0.4	0.16	mg/Kg	03/21/14	LK	SW6010
Zinc	6.8	N* 0.8	0.40	mg/Kg	03/21/14	LK	SW6010
Percent Solid	86			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	92			%	03/20/14	AW	30 - 150 %
% TCMX	85			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	23	23	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.6	7.6	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	190	190	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	98			%	03/21/14	C/M	30 - 150 %
% TCMX	92			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	12	1.2	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260

Client ID: SB4 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	12	3.2	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	12	1.1	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	12	1.6	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	12	2.1	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	61	5.5	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	61	2.9	ug/Kg	03/20/14	JLI	SW8260
Acetone	20	JS 50	12	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	24	6.9	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	12	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	12	9.4	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	12	2.9	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	12	6.4	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	12	3.2	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	12	2.3	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	12	4.8	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	73	11	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	24	3.4	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	12	4.7	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	12	2.3	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	12	3.5	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	12	J 24	11	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	24	23	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	12	4.0	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	111			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	102			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	270	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	270	150	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1900	390	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	270	240	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1900	830	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	770	180	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	03/20/14	DD	SW 8270

Client ID: SB4 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1900	130	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1900	770	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	770	230	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1900	770	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	270	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1900	290	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	270	100	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	270	99	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	270	140	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	270	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	270	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	270	110	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	270	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	270	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	270	94	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	63			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	51			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	55			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	49			%	03/20/14	DD	23 - 120 %
% Phenol-d5	53			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	69			%	03/20/14	DD	18 - 137 %

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

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

Comments:

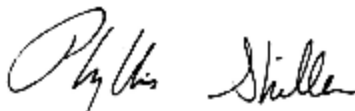
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20695

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB5 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.23	mg/Kg	03/21/14	LK	SW6010
Aluminum	9980	39	7.8	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.9	0.8	0.78	mg/Kg	03/21/14	LK	SW6010
Barium	52.4	0.8	0.16	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.42	0.31	0.16	mg/Kg	03/21/14	LK	SW6010
Calcium	1270	N 3.9	3.6	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.19	B 0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Cobalt	8.05	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Chromium	29.4	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Copper	18.5	0.39	0.31	mg/kg	03/21/14	LK	SW6010
Iron	24500	39	39	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1210	N 8	3.0	mg/Kg	03/21/14	LK	SW6010
Magnesium	2500	3.9	0.23	mg/Kg	03/21/14	LK	SW6010
Manganese	468	3.9	1.6	mg/Kg	03/21/14	LK	SW6010
Sodium	133	8	3.3	mg/Kg	03/21/14	LK	SW6010
Nickel	16.8	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Lead	5.5	0.8	0.23	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.9	1.9	1.9	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	03/21/14	LK	SW6010
Vanadium	29.9	0.4	0.16	mg/Kg	03/21/14	LK	SW6010
Zinc	26.8	N* 0.8	0.39	mg/Kg	03/21/14	LK	SW6010
Percent Solid	88			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	93			%	03/20/14	AW	30 - 150 %
% TCMX	85			%	03/20/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	190	190	ug/Kg	03/21/14	C/M	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	95			%	03/21/14	C/M	30 - 150 %
% TCMX	89			%	03/21/14	C/M	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	11	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	11	0.94	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	11	1.4	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	11	1.1	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	11	1.8	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	53	4.8	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	53	2.5	ug/Kg	03/20/14	JLI	SW8260
Acetone	17	JS 50	11	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	21	6.0	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	11	1.4	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	11	1.3	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	11	8.2	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	11	2.5	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	11	5.6	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	11	1.1	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	11	1.3	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	11	2.0	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	11	4.2	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	64	9.2	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	21	2.9	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	11	4.1	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	11	2.0	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	11	3.1	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	21	9.6	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	21	20	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	11	2.4	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	11	3.4	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	106			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	102			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1900	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1900	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	240	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	180	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1900	810	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1900	400	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Client ID: SB5 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1900	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1900	170	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1900	750	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1900	740	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	96	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1900	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	99	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	96	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	55			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	48			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	47			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	46			%	03/20/14	DD	23 - 120 %
% Phenol-d5	47			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	63			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20696

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB6 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.21	mg/Kg	03/21/14	LK	SW6010
Aluminum	5650	34	6.9	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.7	0.7	0.69	mg/Kg	03/21/14	LK	SW6010
Barium	24.5	0.7	0.14	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.39	0.27	0.14	mg/Kg	03/21/14	LK	SW6010
Calcium	610	N 3.4	3.2	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.33	B 0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Cobalt	4.61	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Chromium	16.6	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Copper	12.5	0.34	0.27	mg/kg	03/21/14	LK	SW6010
Iron	23300	34	34	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1220	N 7	2.7	mg/Kg	03/21/14	LK	SW6010
Magnesium	1510	3.4	0.21	mg/Kg	03/21/14	LK	SW6010
Manganese	208	3.4	1.4	mg/Kg	03/21/14	LK	SW6010
Sodium	287	7	2.9	mg/Kg	03/21/14	LK	SW6010
Nickel	9.33	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Lead	6.1	0.7	0.21	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	03/21/14	LK	SW6010
Vanadium	23.2	0.3	0.14	mg/Kg	03/21/14	LK	SW6010
Zinc	68.7	N* 0.7	0.34	mg/Kg	03/21/14	LK	SW6010
Percent Solid	90			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	100			%	03/20/14	AW	30 - 150 %
% TCMX	89			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	96			%	03/21/14	C/M	30 - 150 %
% TCMX	87			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	11	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	11	2.9	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	11	0.94	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	11	1.4	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	11	1.1	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	11	1.8	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	53	4.8	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	53	2.5	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	50	11	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	21	6.0	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	11	1.4	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	11	1.3	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	11	8.2	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	11	1.6	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	11	2.5	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	11	5.6	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	11	1.2	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	11	1.3	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	11	2.8	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	11	2.0	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	11	4.2	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	64	9.3	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	21	2.9	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	11	2.9	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260

1

B

Client ID: SB6 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	11	1.9	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	11	4.1	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	11	1.5	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	11	2.0	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	11	3.1	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	21	9.6	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	11	2.1	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	11	2.2	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	21	20	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	11	2.3	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	11	2.4	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	11	1.7	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	11	3.5	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	99			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	105			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	99			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Client ID: SB6 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	94	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	61			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	52			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	53			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	50			%	03/20/14	DD	23 - 120 %
% Phenol-d5	52			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	69			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20697

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB6 25-26

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	03/21/14	LK	SW6010
Aluminum	6450	33	6.6	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.4	0.7	0.66	mg/Kg	03/21/14	LK	SW6010
Barium	51.3	0.7	0.13	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.36	0.26	0.13	mg/Kg	03/21/14	LK	SW6010
Calcium	2810	N 3.3	3.0	mg/Kg	03/21/14	LK	SW6010
Cadmium	< 0.33	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Cobalt	3.73	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Chromium	10.5	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Copper	10.6	0.33	0.26	mg/kg	03/21/14	LK	SW6010
Iron	11100	33	33	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1060	N 7	2.6	mg/Kg	03/21/14	LK	SW6010
Magnesium	1690	3.3	0.20	mg/Kg	03/21/14	LK	SW6010
Manganese	225	3.3	1.3	mg/Kg	03/21/14	LK	SW6010
Sodium	200	7	2.8	mg/Kg	03/21/14	LK	SW6010
Nickel	21.8	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Lead	4.5	0.7	0.20	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	03/21/14	LK	SW6010
Vanadium	15.4	0.3	0.13	mg/Kg	03/21/14	LK	SW6010
Zinc	22.5	N* 0.7	0.33	mg/Kg	03/21/14	LK	SW6010
Percent Solid	91			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	93			%	03/20/14	AW	30 - 150 %
% TCMX	74			%	03/20/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	89			%	03/21/14	C/M	30 - 150 %
% TCMX	76			%	03/21/14	C/M	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	270	45	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	270	55	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	270	39	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	270	27	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	270	54	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	270	60	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	270	53	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	270	55	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	270	39	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	270	55	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	19000	D 1100	160	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	270	73	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	270	73	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	270	30	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	270	24	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	270	39	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	6300	270	36	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	270	40	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	270	29	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	270	43	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	270	46	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	270	44	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	1400	120	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	55	J 270	38	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	270	32	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	1400	65	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	2700	270	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	550	150	ug/Kg	03/20/14	JLI	SW8260
Benzene	100	J 270	54	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	270	36	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	270	40	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	270	34	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	270	38	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	270	210	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	270	44	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	270	32	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	270	40	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	270	64	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	270	50	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	270	140	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	270	60	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	270	30	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	270	31	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	270	34	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	270	73	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	3300	270	50	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	270	57	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	730	270	52	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	6900	270	110	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1600	240	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	550	75	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	270	45	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	3300	270	73	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	1400	270	50	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	3700	270	49	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	560	270	100	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	230	J 270	39	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	370	270	51	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	270	79	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	270	44	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	270	57	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	550	250	ug/Kg	03/20/14	JLI	SW8260
Toluene	140	J 270	43	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	270	55	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	270	56	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	550	510	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	270	58	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	270	61	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	270	43	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	270	89	ug/Kg	03/20/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	100			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	100			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	102			%	03/20/14	JLI	84 - 138 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	2100	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	720	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	2900	250	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	60			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	48			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	54			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	52			%	03/20/14	DD	23 - 120 %
% Phenol-d5	50			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	68			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

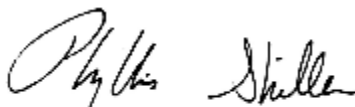
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target compounds

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20698

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB6 26-27

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	03/21/14	LK	SW6010
Aluminum	4720	33	6.6	mg/Kg	03/21/14	LK	SW6010
Arsenic	< 0.7	0.7	0.66	mg/Kg	03/21/14	LK	SW6010
Barium	60.7	0.7	0.13	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.40	0.26	0.13	mg/Kg	03/21/14	LK	SW6010
Calcium	1510	N 3.3	3.0	mg/Kg	03/21/14	LK	SW6010
Cadmium	1.15	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Cobalt	3.96	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Chromium	10.0	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Copper	11.9	0.33	0.26	mg/kg	03/21/14	LK	SW6010
Iron	71300	33	33	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1040	N 7	2.6	mg/Kg	03/21/14	LK	SW6010
Magnesium	1940	3.3	0.20	mg/Kg	03/21/14	LK	SW6010
Manganese	2860	33	13	mg/Kg	03/21/14	LK	SW6010
Sodium	125	7	2.8	mg/Kg	03/21/14	LK	SW6010
Nickel	11.2	0.33	0.13	mg/Kg	03/21/14	LK	SW6010
Lead	9.1	0.7	0.20	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	03/21/14	LK	SW6010
Vanadium	20.5	0.3	0.13	mg/Kg	03/21/14	LK	SW6010
Zinc	17.6	N* 0.7	0.33	mg/Kg	03/21/14	LK	SW6010
Percent Solid	91			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	97			%	03/20/14	AW	30 - 150 %
% TCMX	81			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	96			%	03/21/14	C/M	30 - 150 %
% TCMX	84			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	940	190	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	940	130	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	940	92	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	940	190	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	940	210	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	940	180	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	940	190	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	940	130	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	940	190	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	56000	D 3100	450	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	940	250	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	940	250	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	940	100	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	940	83	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	940	130	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	24000	940	120	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	940	140	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	940	100	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	940	160	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	4700	420	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	190	J 940	130	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	940	110	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	4700	220	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	9400	940	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	1900	530	ug/Kg	03/20/14	JLI	SW8260
Benzene	430	J 940	190	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	940	120	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	940	140	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	940	120	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	940	130	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	940	720	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	940	110	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	940	140	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	940	220	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	940	170	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	940	490	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	940	210	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	940	100	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	940	110	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	940	120	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	940	250	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	24000	940	170	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	940	200	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	3100	940	180	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	53000	D 3100	1200	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	5600	820	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	1900	260	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	610	JBS 940	150	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	12000	940	250	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	4600	940	170	ug/Kg	03/20/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	15000	940	170	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	12000	940	360	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	780	J 940	140	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	1300	940	180	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	940	270	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	940	200	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	1900	850	ug/Kg	03/20/14	JLI	SW8260
Toluene	240	J 940	150	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	940	190	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	940	190	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	1900	1700	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	940	200	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	940	210	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	940	150	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	940	300	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	99			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	2900	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	720	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	4200	250	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	63			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	50			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	58			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	55			%	03/20/14	DD	23 - 120 %
% Phenol-d5	52			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	72			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

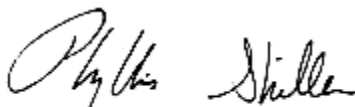
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target compounds

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20699

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB8 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.21	mg/Kg	03/21/14	LK	SW6010
Aluminum	7050	36	7.1	mg/Kg	03/21/14	LK	SW6010
Arsenic	< 0.7	0.7	0.71	mg/Kg	03/21/14	LK	SW6010
Barium	41.5	0.7	0.14	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.59	0.28	0.14	mg/Kg	03/21/14	LK	SW6010
Calcium	706	N 3.6	3.3	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.37	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Cobalt	8.95	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Chromium	22.9	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Copper	27.6	0.36	0.28	mg/kg	03/21/14	LK	SW6010
Iron	28000	36	36	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1380	N 7	2.8	mg/Kg	03/21/14	LK	SW6010
Magnesium	1970	3.6	0.21	mg/Kg	03/21/14	LK	SW6010
Manganese	603	3.6	1.4	mg/Kg	03/21/14	LK	SW6010
Sodium	170	7	3.1	mg/Kg	03/21/14	LK	SW6010
Nickel	15.8	0.36	0.14	mg/Kg	03/21/14	LK	SW6010
Lead	9.4	0.7	0.21	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.8	1.8	1.8	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	03/21/14	LK	SW6010
Vanadium	37.7	0.4	0.14	mg/Kg	03/21/14	LK	SW6010
Zinc	36.2	N* 0.7	0.36	mg/Kg	03/21/14	LK	SW6010
Percent Solid	90			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	95			%	03/20/14	AW	30 - 150 %
% TCMX	80			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	101			%	03/21/14	C/M	30 - 150 %
% TCMX	92			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	9.5	1.6	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.5	0.93	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	9.5	2.1	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	9.5	1.8	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	9.5	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	9.5	2.5	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	9.5	2.5	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	9.5	1.0	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	9.5	0.84	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	9.5	1.4	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	9.5	1.0	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	9.5	1.6	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	48	4.3	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	9.5	1.1	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	48	2.3	ug/Kg	03/20/14	JLI	SW8260
Acetone	18	JS 50	9.4	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	19	5.3	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	9.5	1.2	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	9.5	1.4	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	9.5	1.2	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	9.5	1.3	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	9.5	7.3	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	9.5	1.1	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	9.5	1.4	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	9.5	2.2	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	9.5	1.7	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	9.5	5.0	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	9.5	2.1	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	9.5	1.0	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	9.5	1.1	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	9.5	1.2	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	9.5	2.5	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	9.5	1.7	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	9.5	2.0	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	9.5	1.8	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	9.5	3.7	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	57	8.2	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	19	2.6	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	9.5	1.6	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	9.5	2.5	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	9.5	1.7	ug/Kg	03/20/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	9.5	1.7	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	9.5	3.6	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	9.5	1.4	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	3.2	J 9.5	1.8	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	9.5	2.7	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	9.5	2.0	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	14	J 19	8.6	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	9.5	1.9	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	19	18	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	9.5	2.0	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	9.5	2.1	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	9.5	1.5	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	9.5	3.1	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	95			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	100			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	94	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	98	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	52			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	55			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	50			%	03/20/14	DD	23 - 120 %
% Phenol-d5	52			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	69			%	03/20/14	DD	18 - 137 %

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

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

Comments:

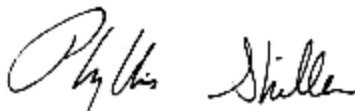
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20700

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB9 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.23	mg/Kg	03/21/14	LK	SW6010
Aluminum	7260	39	7.8	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.7	0.8	0.78	mg/Kg	03/21/14	LK	SW6010
Barium	39.2	0.8	0.16	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.44	0.31	0.16	mg/Kg	03/21/14	LK	SW6010
Calcium	1110	N 3.9	3.6	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.23	B 0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Cobalt	6.93	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Chromium	19.6	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Copper	18.4	0.39	0.31	mg/kg	03/21/14	LK	SW6010
Iron	21200	39	39	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1340	N 8	3.1	mg/Kg	03/21/14	LK	SW6010
Magnesium	2040	3.9	0.23	mg/Kg	03/21/14	LK	SW6010
Manganese	292	3.9	1.6	mg/Kg	03/21/14	LK	SW6010
Sodium	196	8	3.4	mg/Kg	03/21/14	LK	SW6010
Nickel	14.2	0.39	0.16	mg/Kg	03/21/14	LK	SW6010
Lead	6.4	0.8	0.23	mg/Kg	03/21/14	LK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	03/21/14	LK	SW6010
Vanadium	29.2	0.4	0.16	mg/Kg	03/21/14	LK	SW6010
Zinc	27.1	N* 0.8	0.39	mg/Kg	03/21/14	LK	SW6010
Percent Solid	90			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	97			%	03/20/14	AW	30 - 150 %
% TCMX	86			%	03/20/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	99			%	03/21/14	C/M	30 - 150 %
% TCMX	92			%	03/21/14	C/M	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	12	1.2	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	12	1.1	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	12	1.6	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	12	2.1	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	61	5.5	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	61	2.9	ug/Kg	03/20/14	JLI	SW8260
Acetone	35	JS 50	12	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	25	6.9	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	12	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	12	9.5	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	12	2.9	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	12	6.4	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	12	4.8	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	74	11	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	25	3.4	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	12	4.7	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	12	2.3	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	12	3.5	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	14	J 25	11	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	25	23	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	12	4.0	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	101			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	101			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	102			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Client ID: SB9 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	59			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	63			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	59			%	03/20/14	DD	23 - 120 %
% Phenol-d5	62			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	80			%	03/20/14	DD	18 - 137 %

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

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

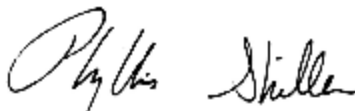
Comments:

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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20701

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB9 15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.21	mg/Kg	03/21/14	LK	SW6010
Aluminum	7400	34	6.8	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.7	0.7	0.68	mg/Kg	03/21/14	LK	SW6010
Barium	48.5	0.7	0.14	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.54	0.27	0.14	mg/Kg	03/21/14	LK	SW6010
Calcium	1070	N 3.4	3.1	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.44	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Cobalt	9.07	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Chromium	23.1	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Copper	21.6	0.34	0.27	mg/kg	03/21/14	LK	SW6010
Iron	33000	34	34	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1400	N 7	2.7	mg/Kg	03/21/14	LK	SW6010
Magnesium	2220	3.4	0.21	mg/Kg	03/21/14	LK	SW6010
Manganese	968	3.4	1.4	mg/Kg	03/21/14	LK	SW6010
Sodium	108	7	2.9	mg/Kg	03/21/14	LK	SW6010
Nickel	16.1	0.34	0.14	mg/Kg	03/21/14	LK	SW6010
Lead	7.4	0.7	0.21	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	03/21/14	LK	SW6010
Vanadium	31.6	0.3	0.14	mg/Kg	03/21/14	LK	SW6010
Zinc	27.8	N* 0.7	0.34	mg/Kg	03/21/14	LK	SW6010
Percent Solid	88			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	38	38	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	38	38	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	94			%	03/20/14	AW	30 - 150 %
% TCMX	81			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.7	2.7	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	23	23	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.9	1.9	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.5	7.5	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	190	190	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	104			%	03/21/14	C/M	30 - 150 %
% TCMX	95			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	290	48	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	290	59	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	290	42	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	290	29	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	290	58	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	290	64	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	290	57	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	290	59	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	290	42	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	290	59	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	48000	D 2900	420	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	290	79	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	290	78	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	290	32	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	290	26	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	290	42	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	14000	D 2900	380	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	290	43	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	290	31	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	290	46	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	290	49	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	290	47	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	1500	130	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	100	J 290	40	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	290	34	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	1500	70	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	2900	290	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	590	160	ug/Kg	03/20/14	JLI	SW8260
Benzene	1400	290	58	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	290	38	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	290	43	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	290	36	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	290	41	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	290	230	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	290	47	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	290	34	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	290	43	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	290	69	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	290	53	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	290	150	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	290	64	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	290	32	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	290	33	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	290	37	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	290	78	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	26000	D 2900	530	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	290	62	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	1900	290	56	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	84000	D 2900	1100	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1800	250	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	590	81	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	290	48	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	9000	D 2900	780	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	1900	290	53	ug/Kg	03/20/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	8700	290	53	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	31000	D 2900	1100	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	340	290	42	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	670	290	55	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	290	84	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	290	47	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	290	62	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	590	260	ug/Kg	03/20/14	JLI	SW8260
Toluene	36000	D 2900	460	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	290	59	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	290	60	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	590	540	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	290	62	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	290	65	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	290	46	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	290	95	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	98			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	96			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	99			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	450	260	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	770	260	110	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	73			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	60			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	69			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	61			%	03/20/14	DD	23 - 120 %
% Phenol-d5	65			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	84			%	03/20/14	DD	18 - 137 %

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

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

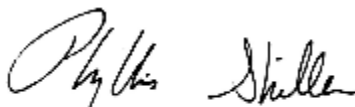
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target compounds

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20702

Project ID: 845 GRAND ST BROOKLYN
 Client ID: SB9 25 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.21	mg/Kg	03/21/14	LK	SW6010
Aluminum	4690	35	7.0	mg/Kg	03/21/14	LK	SW6010
Arsenic	0.8	0.7	0.70	mg/Kg	03/21/14	LK	SW6010
Barium	33.9	0.7	0.14	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.31	0.28	0.14	mg/Kg	03/21/14	LK	SW6010
Calcium	823	N 3.5	3.2	mg/Kg	03/21/14	LK	SW6010
Cadmium	< 0.35	0.35	0.14	mg/Kg	03/21/14	LK	SW6010
Cobalt	4.37	0.35	0.14	mg/Kg	03/21/14	LK	SW6010
Chromium	10.5	0.35	0.14	mg/Kg	03/21/14	LK	SW6010
Copper	11.6	0.35	0.28	mg/kg	03/21/14	LK	SW6010
Iron	10800	35	35	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1060	N 7	2.7	mg/Kg	03/21/14	LK	SW6010
Magnesium	1950	3.5	0.21	mg/Kg	03/21/14	LK	SW6010
Manganese	236	3.5	1.4	mg/Kg	03/21/14	LK	SW6010
Sodium	129	7	3.0	mg/Kg	03/21/14	LK	SW6010
Nickel	10.8	0.35	0.14	mg/Kg	03/21/14	LK	SW6010
Lead	3.7	0.7	0.21	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	03/21/14	LK	SW6010
Vanadium	15.9	0.3	0.14	mg/Kg	03/21/14	LK	SW6010
Zinc	19.2	N* 0.7	0.35	mg/Kg	03/21/14	LK	SW6010
Percent Solid	92			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	35	35	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	35	35	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	89			%	03/20/14	AW	30 - 150 %
% TCMX	76			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.5	2.5	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.5	2.5	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.5	2.5	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	21	21	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.0	7.0	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	88			%	03/21/14	C/M	30 - 150 %
% TCMX	81			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	13	2.1	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	13	2.6	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	13	1.3	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	13	2.5	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	13	2.8	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	13	2.5	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	13	2.6	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	13	2.6	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	69	J 280	41	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	13	3.4	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	13	3.4	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	13	1.4	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	13	1.1	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	13	1.7	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	13	1.9	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	13	1.4	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	13	2.0	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	13	2.2	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	13	2.1	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	64	5.8	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	13	1.5	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	64	3.1	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	50	13	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	26	7.2	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	13	2.5	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	13	1.7	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	13	1.9	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	13	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	13	9.9	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	13	2.1	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	13	1.5	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	13	1.9	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	13	3.0	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	13	2.3	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	13	6.7	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	13	2.8	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	13	1.4	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	13	1.4	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	13	1.6	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	13	3.4	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	13	2.3	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	13	2.7	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	13	2.5	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	13	5.1	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	77	11	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	26	3.5	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	13	2.1	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	80	J 280	76	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	13	2.3	ug/Kg	03/20/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	13	2.3	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	13	4.9	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	13	1.8	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	13	2.4	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	13	3.7	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	13	2.1	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	13	2.7	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	26	12	ug/Kg	03/20/14	JLI	SW8260
Toluene	58	J 280	45	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	13	2.6	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	13	2.6	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	26	24	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	13	2.7	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	13	2.8	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	13	2.0	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	13	4.2	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	100			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	101			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	360	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	780	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	720	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/20/14	DD	SW 8270

Client ID: SB9 25 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	720	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	720	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	97	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	270	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	250	96	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	250	93	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	250	89	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	71			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	60			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	65			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	60			%	03/20/14	DD	23 - 120 %
% Phenol-d5	62			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20703

Project ID: 845 GRAND ST BROOKLYN
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.23	mg/Kg	03/21/14	LK	SW6010
Aluminum	5860	38	7.7	mg/Kg	03/21/14	LK	SW6010
Arsenic	1.1	0.8	0.77	mg/Kg	03/21/14	LK	SW6010
Barium	36.1	0.8	0.15	mg/Kg	03/21/14	LK	SW6010
Beryllium	0.43	0.31	0.15	mg/Kg	03/21/14	LK	SW6010
Calcium	897	N 3.8	3.5	mg/Kg	03/21/14	LK	SW6010
Cadmium	0.23	B 0.38	0.15	mg/Kg	03/21/14	LK	SW6010
Cobalt	6.68	0.38	0.15	mg/Kg	03/21/14	LK	SW6010
Chromium	18.8	0.38	0.15	mg/Kg	03/21/14	LK	SW6010
Copper	16.5	0.38	0.31	mg/kg	03/21/14	LK	SW6010
Iron	18900	38	38	mg/Kg	03/21/14	LK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	03/20/14	RS	SW-7471
Potassium	1300	N 8	3.0	mg/Kg	03/21/14	LK	SW6010
Magnesium	2230	3.8	0.23	mg/Kg	03/21/14	LK	SW6010
Manganese	451	3.8	1.5	mg/Kg	03/21/14	LK	SW6010
Sodium	109	8	3.3	mg/Kg	03/21/14	LK	SW6010
Nickel	13.9	0.38	0.15	mg/Kg	03/21/14	LK	SW6010
Lead	5.6	0.8	0.23	mg/Kg	03/21/14	LK	SW6010
Antimony	< 1.9	1.9	1.9	mg/Kg	03/21/14	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	03/21/14	LK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	03/21/14	LK	SW6010
Vanadium	28.7	0.4	0.15	mg/Kg	03/21/14	LK	SW6010
Zinc	24.0	N* 0.8	0.38	mg/Kg	03/21/14	LK	SW6010
Percent Solid	89			%	03/19/14	I	E160.3
Soil Extraction for PCB	Completed				03/19/14	BB	SW3545
Soil Extraction for Pesticide	Completed				03/19/14	BB	SW3545
Soil Extraction for SVOA	Completed				03/19/14	BJ/FV	SW3545
Mercury Digestion	Completed				03/20/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/19/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/18/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/20/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/20/14	AW	SW 8082

QA/QC Surrogates

% DCBP	94			%	03/20/14	AW	30 - 150 %
% TCMX	80			%	03/20/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/21/14	C/M	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Chlordane	ND	22	22	ug/Kg	03/21/14	C/M	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/21/14	C/M	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/21/14	C/M	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	03/21/14	C/M	SW8081
Toxaphene	ND	180	180	ug/Kg	03/21/14	C/M	SW8081

QA/QC Surrogates

% DCBP	97			%	03/21/14	C/M	30 - 150 %
% TCMX	95			%	03/21/14	C/M	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	12	1.2	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	18	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	12	1.1	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	3.0	J 12	1.6	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	12	2.1	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	61	5.5	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	61	2.9	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	50	12	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	24	6.9	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	12	1.6	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	12	1.7	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	12	9.4	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	12	2.9	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	12	6.4	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	12	1.3	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	12	1.4	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	12	1.5	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	12	3.3	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	2.3	J 12	2.2	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	12	4.8	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	73	11	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	24	3.4	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	8.7	J 12	3.3	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	12	2.2	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	12	4.7	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	12	1.8	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	12	2.3	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	12	3.5	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	12	2.0	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	15	J 24	11	ug/Kg	03/20/14	JLI	SW8260
Toluene	54	J 290	46	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	12	2.4	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	12	2.5	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	24	23	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	12	2.6	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	12	2.7	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	12	1.9	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	12	4.0	ug/Kg	03/20/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	99			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	104			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	100			%	03/20/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	03/20/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
2,4-Dichlorophenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	250	ug/Kg	03/20/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Chlorophenol	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
2-Methylnaphthalene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	03/20/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/20/14	DD	SW 8270
2-Nitrophenol	ND	250	230	ug/Kg	03/20/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
3-Nitroaniline	ND	1800	790	ug/Kg	03/20/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/20/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	03/20/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	03/20/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/20/14	DD	SW 8270
4-Nitrophenol	ND	1800	160	ug/Kg	03/20/14	DD	SW 8270
Acenaphthene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Acenaphthylene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Acetophenone	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/20/14	DD	SW 8270
Anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benz(a)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzidine	ND	730	210	ug/Kg	03/20/14	DD	SW 8270
Benzo(a)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(b)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(ghi)perylene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzo(k)fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	03/20/14	DD	SW 8270
Benzyl butyl phthalate	ND	250	94	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	250	98	ug/Kg	03/20/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/20/14	DD	SW 8270
Chrysene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dibenzofuran	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Diethyl phthalate	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Dimethylphthalate	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Di-n-butylphthalate	ND	250	97	ug/Kg	03/20/14	DD	SW 8270
Di-n-octylphthalate	ND	250	94	ug/Kg	03/20/14	DD	SW 8270
Fluoranthene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Fluorene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobenzene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachlorobutadiene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Hexachloroethane	ND	250	110	ug/Kg	03/20/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Isophorone	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Naphthalene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Nitrobenzene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodimethylamine	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachloronitrobenzene	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Pentachlorophenol	ND	250	140	ug/Kg	03/20/14	DD	SW 8270
Phenanthrene	ND	250	100	ug/Kg	03/20/14	DD	SW 8270
Phenol	ND	250	120	ug/Kg	03/20/14	DD	SW 8270
Pyrene	ND	250	130	ug/Kg	03/20/14	DD	SW 8270
Pyridine	ND	250	90	ug/Kg	03/20/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	68			%	03/20/14	DD	19 - 122 %
% 2-Fluorobiphenyl	56			%	03/20/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	65			%	03/20/14	DD	25 - 121 %
% Nitrobenzene-d5	56			%	03/20/14	DD	23 - 120 %
% Phenol-d5	63			%	03/20/14	DD	24 - 113 %
% Terphenyl-d14	83			%	03/20/14	DD	18 - 137 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of 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.

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20704

Project ID: 845 GRAND ST BROOKLYN
 Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100	1		%	03/18/14		E160.3
Field Extraction	Completed				03/18/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	25	2.3	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.58	ug/Kg	03/20/14	JLI	SW8260
4-Methyl-2-pentanone	ND	25	1.2	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	50	5.0	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	10	2.8	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	5.0	0.99	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	5.0	0.65	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	5.0	0.73	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	5.0	0.62	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	5.0	0.70	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	5.0	3.9	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	5.0	0.81	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	5.0	0.58	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	5.0	0.74	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	5.0	1.2	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	5.0	0.91	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	5.0	2.6	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	5.0	0.56	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	5.0	0.63	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.0	1.3	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	5.0	0.91	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	5.0	0.96	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	5.0	2.0	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	30	4.3	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	10	1.4	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	1.4	JBS	5.0	0.82	ug/Kg	JLI	SW8260
Naphthalene	ND	5.0	1.3	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	5.0	0.91	ug/Kg	03/20/14	JLI	SW8260
n-Propylbenzene	ND	5.0	0.90	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	5.0	1.9	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	5.0	0.72	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	5.0	0.94	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	5.0	1.4	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	5.0	0.80	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	10	4.5	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	5.0	0.79	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.0	1.0	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.0	1.0	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	10	9.3	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	5.0	1.1	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.0	0.78	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	5.0	1.6	ug/Kg	03/20/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	93			%	03/20/14	JLI	59 - 113 %

B*

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	96			%	03/20/14	JLI	70 - 130 %
% Toluene-d8	99			%	03/20/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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 LOD=Limit of Detection MDL=Method Detection Limit

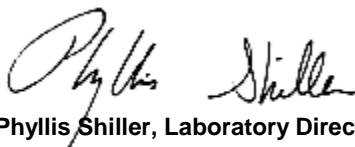
Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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Phyllis Shiller, Laboratory Director

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 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:
 Received by: SW
 Analyzed by: see "By" below

Date

03/18/14
 03/19/14

Time

0:00
 16:26

Laboratory Data

SDG ID: GBG20691
 Phoenix ID: BG20705

Project ID: 845 GRAND ST BROOKLYN
 Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100	1		%	03/18/14		E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	03/20/14	JLI	SW8260
1,1,1-Trichloroethane	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	03/20/14	JLI	SW8260
1,1,2-Trichloroethane	ND	250	25	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethane	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloroethene	ND	250	55	ug/Kg	03/20/14	JLI	SW8260
1,1-Dichloropropene	ND	250	49	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
1,2,3-Trichloropropane	ND	250	36	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	03/20/14	JLI	SW8260
1,2-Dibromoethane	ND	250	67	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichlorobenzene	ND	250	28	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloroethane	ND	250	22	ug/Kg	03/20/14	JLI	SW8260
1,2-Dichloropropane	ND	250	36	ug/Kg	03/20/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichlorobenzene	ND	250	37	ug/Kg	03/20/14	JLI	SW8260
1,3-Dichloropropane	ND	250	27	ug/Kg	03/20/14	JLI	SW8260
1,4-Dichlorobenzene	ND	250	40	ug/Kg	03/20/14	JLI	SW8260
2,2-Dichloropropane	ND	250	42	ug/Kg	03/20/14	JLI	SW8260
2-Chlorotoluene	ND	250	40	ug/Kg	03/20/14	JLI	SW8260
2-Hexanone	ND	1300	110	ug/Kg	03/20/14	JLI	SW8260
2-Isopropyltoluene	ND	250	35	ug/Kg	03/20/14	JLI	SW8260
4-Chlorotoluene	ND	250	29	ug/Kg	03/20/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1300	60	ug/Kg	03/20/14	JLI	SW8260
Acetone	ND	2500	250	ug/Kg	03/20/14	JLI	SW8260
Acrylonitrile	ND	500	140	ug/Kg	03/20/14	JLI	SW8260
Benzene	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
Bromobenzene	ND	250	33	ug/Kg	03/20/14	JLI	SW8260
Bromochloromethane	ND	250	37	ug/Kg	03/20/14	JLI	SW8260
Bromodichloromethane	ND	250	31	ug/Kg	03/20/14	JLI	SW8260
Bromoform	ND	250	35	ug/Kg	03/20/14	JLI	SW8260
Bromomethane	ND	250	190	ug/Kg	03/20/14	JLI	SW8260
Carbon Disulfide	ND	250	41	ug/Kg	03/20/14	JLI	SW8260
Carbon tetrachloride	ND	250	29	ug/Kg	03/20/14	JLI	SW8260
Chlorobenzene	ND	250	37	ug/Kg	03/20/14	JLI	SW8260
Chloroethane	ND	250	59	ug/Kg	03/20/14	JLI	SW8260
Chloroform	ND	250	46	ug/Kg	03/20/14	JLI	SW8260
Chloromethane	ND	250	130	ug/Kg	03/20/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	250	55	ug/Kg	03/20/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	250	27	ug/Kg	03/20/14	JLI	SW8260
Dibromochloromethane	ND	250	28	ug/Kg	03/20/14	JLI	SW8260
Dibromomethane	ND	250	32	ug/Kg	03/20/14	JLI	SW8260
Dichlorodifluoromethane	ND	250	67	ug/Kg	03/20/14	JLI	SW8260
Ethylbenzene	ND	250	46	ug/Kg	03/20/14	JLI	SW8260
Hexachlorobutadiene	ND	250	53	ug/Kg	03/20/14	JLI	SW8260
Isopropylbenzene	ND	250	48	ug/Kg	03/20/14	JLI	SW8260
m&p-Xylene	ND	250	99	ug/Kg	03/20/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1500	220	ug/Kg	03/20/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	500	69	ug/Kg	03/20/14	JLI	SW8260
Methylene chloride	160 JBS	250	41	ug/Kg	03/20/14	JLI	SW8260
Naphthalene	ND	250	67	ug/Kg	03/20/14	JLI	SW8260
n-Butylbenzene	ND	250	46	ug/Kg	03/20/14	JLI	SW8260
n-Propylbenzene	ND	250	45	ug/Kg	03/20/14	JLI	SW8260
o-Xylene	ND	250	96	ug/Kg	03/20/14	JLI	SW8260
p-Isopropyltoluene	ND	250	36	ug/Kg	03/20/14	JLI	SW8260
sec-Butylbenzene	ND	250	47	ug/Kg	03/20/14	JLI	SW8260
Styrene	ND	250	72	ug/Kg	03/20/14	JLI	SW8260
tert-Butylbenzene	ND	250	40	ug/Kg	03/20/14	JLI	SW8260
Tetrachloroethene	ND	250	53	ug/Kg	03/20/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	500	230	ug/Kg	03/20/14	JLI	SW8260
Toluene	ND	250	40	ug/Kg	03/20/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	250	50	ug/Kg	03/20/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	250	51	ug/Kg	03/20/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	500	460	ug/Kg	03/20/14	JLI	SW8260
Trichloroethene	ND	250	53	ug/Kg	03/20/14	JLI	SW8260
Trichlorofluoromethane	ND	250	56	ug/Kg	03/20/14	JLI	SW8260
Trichlorotrifluoroethane	ND	250	39	ug/Kg	03/20/14	JLI	SW8260
Vinyl chloride	ND	250	81	ug/Kg	03/20/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	03/20/14	JLI	70 - 121 %
% Bromofluorobenzene	95			%	03/20/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	03/20/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	99			%	03/20/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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 LOD=Limit of Detection MDL=Method Detection Limit

Comments:

TRIP BLANK INCLUDED. %SOLIDS ASSUMED 100%

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

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

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

May 05, 2014

Reviewed and Released by: Tina Covensky



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 05, 2014

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269238, QC Sample No: BG20684 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697, BG20698, BG20699, BG20700, BG20701, BG20702, BG20703)												
Mercury - Soil	BRL	<0.07	<0.08	NC	101	101	0.0	99.6	102	2.4	75 - 125	30
QA/QC Batch 269209, QC Sample No: BG20686 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697, BG20698, BG20699, BG20700, BG20701, BG20702, BG20703)												
<u>ICP Metals - Soil</u>												
Aluminum	BRL	4870	5190	6.40	106	106	0.0	NC	NC	NC	80 - 120	30
Antimony	BRL	<3.0	<3.6	NC	90.1	84.7	6.2	88.8	90.1	1.5	80 - 120	30
Arsenic	BRL	0.9	0.94	NC	97.3	97.7	0.4	90.2	91.4	1.3	80 - 120	30
Barium	BRL	16.6	21.4	25.3	111	106	4.6	106	107	0.9	80 - 120	30
Beryllium	BRL	<0.33	0.18 B	NC	113	104	8.3	96.4	96.9	0.5	80 - 120	30
Cadmium	BRL	<0.41	<0.36	NC	121	118	2.5	94.3	95.3	1.1	80 - 120	30
Calcium	BRL	479	520	8.20	112	106	5.5	>130	>130	NC	80 - 120	30
Chromium	BRL	9.11	10.6	15.1	119	109	8.8	100	101	1.0	80 - 120	30
Cobalt	BRL	3.67	3.63	1.10	120	112	6.9	97.1	98.2	1.1	80 - 120	30
Copper	BRL	4.86	5.45	11.4	121	113	6.8	99.5	101	1.5	80 - 120	30
Iron	BRL	5480	6140	11.4	99.9	100	0.1	NC	NC	NC	80 - 120	30
Lead	BRL	2.9	5.03 *	NC	100	98.1	1.9	93.4	94.3	1.0	80 - 120	30
Magnesium	BRL	1300	1300	0	108	107	0.9	NC	NC	NC	80 - 120	30
Manganese	BRL	37.1	39.9	7.30	113	107	5.5	104	106	1.9	80 - 120	30
Nickel	BRL	9.77	9.88	1.10	124	112	10.2	95.4	96.8	1.5	80 - 120	30
Potassium	BRL	562	604	7.20	100	99.6	0.4	>130	>130	NC	80 - 120	30
Selenium	BRL	<2.0	<2.0	NC	92.0	88.6	3.8	83.2	84.3	1.3	80 - 120	30
Silver	BRL	<0.41	<0.36	NC	98.8	103	4.2	92.9	93.9	1.1	80 - 120	30
Sodium	BRL	64	69.9	8.80	120	110	8.7	102	75.1	30.4	80 - 120	30
Thallium	BRL	<1.7	<1.6	NC	101	113	11.2	94.0	94.9	1.0	80 - 120	30
Vanadium	BRL	9.6	11.3	16.3	111	104	6.5	98.5	99.2	0.7	80 - 120	30
Zinc	BRL	148	102 *	36.8	107	102	4.8	73.5	81.1	9.8	80 - 120	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
 m = This parameter is outside laboratory ms/msd specified recovery limits.
 r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

May 05, 2014

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 269213, QC Sample No: BG20691 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697, BG20698, BG20699, BG20700, BG20701, BG20702, BG20703)

Pesticides - Soil

4,4' -DDD	ND	103	94	9.1	99	109	9.6	30 - 150	30
4,4' -DDE	ND	88	93	5.5	97	105	7.9	50 - 150	30
4,4' -DDT	ND	83	88	5.8	92	101	9.3	30 - 150	50
a-BHC	ND	90	89	1.1	97	103	6.0	30 - 150	30
a-Chlordane	ND	83	94	12.4	99	105	5.9	30 - 150	30
Aldrin	ND	80	85	6.1	93	97	4.2	30 - 150	43
b-BHC	ND	80	94	16.1	103	103	0.0	30 - 150	30
Chlordane	ND	NA	NA	NC	NA	NA	NC	30 - 150	30
d-BHC	ND	83	80	3.7	87	90	3.4	30 - 150	30
Dieldrin	ND	88	93	5.5	101	107	5.8	30 - 130	38
Endosulfan I	ND	85	94	10.1	103	111	7.5	30 - 150	30
Endosulfan II	ND	69	71	2.9	98	102	4.0	30 - 150	30
Endosulfan sulfate	ND	71	75	5.5	87	88	1.1	50 - 120	30
Endrin	ND	119	100	17.4	108	113	4.5	50 - 120	45
Endrin aldehyde	ND	42	64	41.5	93	100	7.3	30 - 150	30
Endrin ketone	ND	92	90	2.2	100	102	2.0	30 - 150	30
g-BHC	ND	84	86	2.4	94	97	3.1	50 - 120	50
g-Chlordane	ND	81	93	13.8	99	106	6.8	30 - 130	30
Heptachlor	ND	91	89	2.2	95	102	7.1	30 - 150	31
Heptachlor epoxide	ND	92	95	3.2	101	107	5.8	50 - 150	30
Methoxychlor	ND	110	96	13.6	100	109	8.6	30 - 150	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	30 - 150	30
% DCBP	95	83	91	9.2	98	105	6.9	30 - 150	30
% TCMX	91	83	84	1.2	91	96	5.3	30 - 150	30

QA/QC Batch 269212, QC Sample No: BG20691 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697, BG20698, BG20699, BG20700, BG20701, BG20702, BG20703)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	100	101	1.0	68	57	17.6	30 - 120	15
PCB-1221	ND							30 - 150	30
PCB-1232	ND							30 - 150	30
PCB-1242	ND							30 - 150	30
PCB-1248	ND							30 - 150	30
PCB-1254	ND							30 - 150	30
PCB-1260	ND	95	96	1.0	66	55	18.2	30 - 150	20
PCB-1262	ND							30 - 150	30
PCB-1268	ND							30 - 150	30
% DCBP (Surrogate Rec)	78	92	93	1.1	61	56	8.5	30 - 150	20
% TCMX (Surrogate Rec)	75	99	100	1.0	66	62	6.3	30 - 150	20

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269211, QC Sample No: BG20691 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697, BG20698, BG20699, BG20700, BG20701, BG20702, BG20703)									
Semivolatiles - Soil									
1,2,4,5-Tetrachlorobenzene	ND	63	67	6.2	65	67	3.0	30 - 130	30
1,2,4-Trichlorobenzene	ND	59	62	5.0	61	62	1.6	30 - 130	30
1,2-Dichlorobenzene	ND	59	63	6.6	61	61	0.0	30 - 130	30
1,2-Diphenylhydrazine	ND	65	68	4.5	67	68	1.5	30 - 130	30
1,3-Dichlorobenzene	ND	58	61	5.0	59	60	1.7	30 - 130	30
1,4-Dichlorobenzene	ND	58	62	6.7	59	59	0.0	30 - 130	30
2,4,5-Trichlorophenol	ND	69	76	9.7	73	75	2.7	30 - 130	30
2,4,6-Trichlorophenol	ND	67	77	13.9	74	76	2.7	30 - 130	30
2,4-Dichlorophenol	ND	67	72	7.2	70	71	1.4	30 - 130	30
2,4-Dimethylphenol	ND	40	42	4.9	39	39	0.0	30 - 130	30
2,4-Dinitrophenol	ND	<5	<5	NC	3.5	4.6	27.2	30 - 130	30
2,4-Dinitrotoluene	ND	64	68	6.1	65	68	4.5	30 - 130	30
2,6-Dinitrotoluene	ND	66	70	5.9	68	70	2.9	30 - 130	30
2-Chloronaphthalene	ND	67	72	7.2	69	72	4.3	30 - 130	30
2-Chlorophenol	ND	61	66	7.9	64	65	1.6	30 - 130	30
2-Methylnaphthalene	ND	63	66	4.7	64	66	3.1	30 - 130	30
2-Methylphenol (o-cresol)	ND	57	61	6.8	59	60	1.7	30 - 130	30
2-Nitroaniline	ND	103	107	3.8	106	104	1.9	30 - 130	30
2-Nitrophenol	ND	59	66	11.2	65	68	4.5	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	58	62	6.7	57	58	1.7	30 - 130	30
3,3'-Dichlorobenzidine	ND	95	95	0.0	82	85	3.6	30 - 130	30
3-Nitroaniline	ND	81	84	3.6	80	79	1.3	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	31	46	39.0	63	69	9.1	30 - 130	30
4-Bromophenyl phenyl ether	ND	67	71	5.8	69	71	2.9	30 - 130	30
4-Chloro-3-methylphenol	ND	68	72	5.7	71	72	1.4	30 - 130	30
4-Chloroaniline	ND	57	57	0.0	53	54	1.9	30 - 130	30
4-Chlorophenyl phenyl ether	ND	64	69	7.5	66	68	3.0	30 - 130	30
4-Nitroaniline	ND	65	70	7.4	68	70	2.9	30 - 130	30
4-Nitrophenol	ND	59	67	12.7	65	79	19.4	30 - 130	30
Acenaphthene	ND	63	68	7.6	66	68	3.0	30 - 130	30
Acenaphthylene	ND	62	66	6.3	64	65	1.6	30 - 130	30
Acetophenone	ND	65	69	6.0	67	68	1.5	30 - 130	30
Aniline	ND	76	81	6.4	70	70	0.0	30 - 130	30
Anthracene	ND	66	71	7.3	68	71	4.3	30 - 130	30
Benz(a)anthracene	ND	68	72	5.7	69	74	7.0	30 - 130	30
Benzidine	ND	55	54	1.8	12	13	8.0	30 - 130	30
Benzo(a)pyrene	ND	59	65	9.7	63	66	4.7	30 - 130	30
Benzo(b)fluoranthene	ND	65	71	8.8	68	72	5.7	30 - 130	30
Benzo(ghi)perylene	ND	65	66	1.5	65	68	4.5	30 - 130	30
Benzo(k)fluoranthene	ND	65	72	10.2	70	74	5.6	30 - 130	30
Benzyl butyl phthalate	ND	64	70	9.0	69	72	4.3	30 - 130	30
Bis(2-chloroethoxy)methane	ND	59	63	6.6	62	63	1.6	30 - 130	30
Bis(2-chloroethyl)ether	ND	59	64	8.1	61	62	1.6	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	59	63	6.6	61	62	1.6	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	64	70	9.0	68	72	5.7	30 - 130	30
Carbazole	ND	77	84	8.7	80	83	3.7	30 - 130	30
Chrysene	ND	66	71	7.3	69	70	1.4	30 - 130	30
Dibenz(a,h)anthracene	ND	67	67	0.0	69	69	0.0	30 - 130	30
Dibenzofuran	ND	65	68	4.5	66	68	3.0	30 - 130	30

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m

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	65	69	6.0	67	69	2.9	30 - 130	30
Dimethylphthalate	ND	63	68	7.6	65	67	3.0	30 - 130	30
Di-n-butylphthalate	ND	67	73	8.6	68	72	5.7	30 - 130	30
Di-n-octylphthalate	ND	63	68	7.6	66	70	5.9	30 - 130	30
Fluoranthene	ND	72	80	10.5	75	81	7.7	30 - 130	30
Fluorene	ND	65	69	6.0	67	69	2.9	30 - 130	30
Hexachlorobenzene	ND	64	69	7.5	65	68	4.5	30 - 130	30
Hexachlorobutadiene	ND	60	64	6.5	63	64	1.6	30 - 130	30
Hexachlorocyclopentadiene	ND	54	58	7.1	57	57	0.0	30 - 130	30
Hexachloroethane	ND	58	62	6.7	59	60	1.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	67	68	1.5	68	70	2.9	30 - 130	30
Isophorone	ND	65	69	6.0	67	69	2.9	30 - 130	30
Naphthalene	ND	61	65	6.3	63	65	3.1	30 - 130	30
Nitrobenzene	ND	59	63	6.6	61	62	1.6	30 - 130	30
N-Nitrosodimethylamine	ND	62	66	6.3	63	62	1.6	30 - 130	30
N-Nitrosodi-n-propylamine	ND	63	67	6.2	64	65	1.6	30 - 130	30
N-Nitrosodiphenylamine	ND	78	83	6.2	80	80	0.0	30 - 130	30
Pentachloronitrobenzene	ND	66	72	8.7	68	72	5.7	30 - 130	30
Pentachlorophenol	ND	52	71	30.9	70	81	14.6	30 - 130	30
Phenanthrene	ND	66	71	7.3	69	71	2.9	30 - 130	30
Phenol	ND	66	72	8.7	68	70	2.9	30 - 130	30
Pyrene	ND	73	79	7.9	77	82	6.3	30 - 130	30
Pyridine	ND	55	56	1.8	48	49	2.1	30 - 130	30
% 2,4,6-Tribromophenol	74	72	77	6.7	72	77	6.7	19 - 122	30
% 2-Fluorobiphenyl	63	61	66	7.9	62	66	6.3	30 - 115	30
% 2-Fluorophenol	66	59	65	9.7	63	64	1.6	25 - 121	30
% Nitrobenzene-d5	63	57	61	6.8	60	60	0.0	23 - 120	30
% Phenol-d5	66	62	68	9.2	65	66	1.5	24 - 113	30
% Terphenyl-d14	72	79	86	8.5	83	89	7.0	18 - 137	30

QA/QC Batch 269330, QC Sample No: BG20695 (BG20691, BG20692, BG20693, BG20694, BG20695, BG20696, BG20697 (63, 250X) , BG20698 (833, 250X) , BG20699, BG20700, BG20701 (63, 625X) , BG20702 (71, 1X) , BG20703 (50, 1X) , BG20704, BG20705 (50X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	106	109	2.8	84	101	18.4	70 - 130	30
1,1,1-Trichloroethane	ND	104	100	3.9	88	93	5.5	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	95	92	3.2	78	82	5.0	70 - 130	30
1,1,2-Trichloroethane	ND	107	102	4.8	82	88	7.1	70 - 130	30
1,1-Dichloroethane	ND	105	97	7.9	90	94	4.3	70 - 130	30
1,1-Dichloroethene	ND	101	106	4.8	93	111	17.6	70 - 130	30
1,1-Dichloropropene	ND	101	104	2.9	91	111	19.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	114	110	3.6	70	88	22.8	70 - 130	30
1,2,3-Trichloropropane	ND	103	101	2.0	76	86	12.3	70 - 130	30
1,2,4-Trichlorobenzene	ND	120	118	1.7	71	88	21.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	109	116	6.2	81	102	23.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	109	102	6.6	82	86	4.8	70 - 130	30
1,2-Dibromoethane	ND	110	103	6.6	83	89	7.0	70 - 130	30
1,2-Dichlorobenzene	ND	105	105	0.0	78	93	17.5	70 - 130	30
1,2-Dichloroethane	ND	115	113	1.8	88	98	10.8	70 - 130	30
1,2-Dichloropropane	ND	99	95	4.1	80	93	15.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	106	112	5.5	82	104	23.7	70 - 130	30
1,3-Dichlorobenzene	ND	105	106	0.9	77	94	19.9	70 - 130	30
1,3-Dichloropropane	ND	106	103	2.9	82	92	11.5	70 - 130	30
1,4-Dichlorobenzene	ND	105	108	2.8	76	92	19.0	70 - 130	30

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2,2-Dichloropropane	ND	111	103	7.5	89	98	9.6	70 - 130	30
2-Chlorotoluene	ND	102	107	4.8	80	100	22.2	70 - 130	30
2-Hexanone	ND	118	110	7.0	73	76	4.0	70 - 130	30
2-Isopropyltoluene	ND	106	110	3.7	83	108	26.2	70 - 130	30
4-Chlorotoluene	ND	103	107	3.8	77	94	19.9	70 - 130	30
4-Methyl-2-pentanone	ND	116	102	12.8	82	87	5.9	70 - 130	30
Acetone	ND	130	105	21.3	31	27	13.8	70 - 130	30
Acrylonitrile	ND	106	86	20.8	86	76	12.3	70 - 130	30
Benzene	ND	95	100	5.1	84	101	18.4	70 - 130	30
Bromobenzene	ND	105	109	3.7	81	96	16.9	70 - 130	30
Bromochloromethane	ND	103	99	4.0	83	91	9.2	70 - 130	30
Bromodichloromethane	ND	106	105	0.9	84	98	15.4	70 - 130	30
Bromoform	ND	119	114	4.3	88	98	10.8	70 - 130	30
Bromomethane	ND	116	107	8.1	102	110	7.5	70 - 130	30
Carbon Disulfide	ND	98	101	3.0	94	108	13.9	70 - 130	30
Carbon tetrachloride	ND	109	101	7.6	90	104	14.4	70 - 130	30
Chlorobenzene	ND	103	107	3.8	83	98	16.6	70 - 130	30
Chloroethane	ND	110	115	4.4	101	116	13.8	70 - 130	30
Chloroform	ND	104	96	8.0	85	90	5.7	70 - 130	30
Chloromethane	ND	91	89	2.2	84	86	2.4	70 - 130	30
cis-1,2-Dichloroethene	ND	101	106	4.8	86	100	15.1	70 - 130	30
cis-1,3-Dichloropropene	ND	106	105	0.9	82	96	15.7	70 - 130	30
Dibromochloromethane	ND	114	110	3.6	84	95	12.3	70 - 130	30
Dibromomethane	ND	106	101	4.8	83	93	11.4	70 - 130	30
Dichlorodifluoromethane	ND	95	99	4.1	85	102	18.2	70 - 130	30
Ethylbenzene	ND	101	104	2.9	85	104	20.1	70 - 130	30
Hexachlorobutadiene	ND	116	121	4.2	86	117	30.5	70 - 130	30
Isopropylbenzene	ND	105	112	6.5	85	107	22.9	70 - 130	30
m&p-Xylene	ND	103	108	4.7	86	103	18.0	70 - 130	30
Methyl ethyl ketone	ND	100	88	12.8	69	65	6.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	118	106	10.7	88	102	14.7	70 - 130	30
Methylene chloride	1.2 JBS	96	94	2.1	86	93	7.8	70 - 130	30
Naphthalene	ND	116	106	9.0	75	85	12.5	70 - 130	30
n-Butylbenzene	ND	111	116	4.4	81	105	25.8	70 - 130	30
n-Propylbenzene	ND	108	117	8.0	83	106	24.3	70 - 130	30
o-Xylene	ND	104	105	1.0	88	104	16.7	70 - 130	30
p-Isopropyltoluene	ND	111	116	4.4	85	110	25.6	70 - 130	30
sec-Butylbenzene	ND	102	108	5.7	84	110	26.8	70 - 130	30
Styrene	ND	106	106	0.0	86	100	15.1	70 - 130	30
tert-Butylbenzene	ND	108	115	6.3	87	111	24.2	70 - 130	30
Tetrachloroethene	ND	108	111	2.7	90	112	21.8	70 - 130	30
Tetrahydrofuran (THF)	ND	97	78	21.7	74	67	9.9	70 - 130	30
Toluene	ND	101	101	0.0	83	101	19.6	70 - 130	30
trans-1,2-Dichloroethene	ND	101	106	4.8	88	105	17.6	70 - 130	30
trans-1,3-Dichloropropene	ND	111	105	5.6	84	94	11.2	70 - 130	30
trans-1,4-dichloro-2-butene	ND	103	99	4.0	74	79	6.5	70 - 130	30
Trichloroethene	ND	101	106	4.8	87	106	19.7	70 - 130	30
Trichlorofluoromethane	ND	113	117	3.5	99	118	17.5	70 - 130	30
Trichlorotrifluoroethane	ND	109	113	3.6	101	119	16.4	70 - 130	30
Vinyl chloride	ND	99	104	4.9	93	108	14.9	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	100	0.0	101	99	2.0	70 - 121	30
% Bromofluorobenzene	96	105	99	5.9	101	98	3.0	59 - 113	30
% Dibromofluoromethane	102	103	98	5.0	103	94	9.1	70 - 130	30

QA/QC Data

SDG I.D.: GBG20691

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Toluene-d8	98	98	98	0.0	98	97	1.0	84 - 138	30

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

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

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

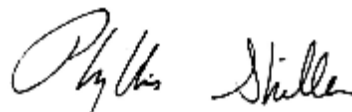
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

May 05, 2014

Sample Criteria Exceedences Report

GBG20691 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BG20697	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	270	210	210	210	ug/Kg
BG20697	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	20	20	20	ug/Kg
BG20697	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2700	50	50	50	ug/Kg
BG20697	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	50	50	50	ug/Kg
BG20697	\$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	190	190	190	ug/Kg
BG20697	\$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	250	250	250	ug/Kg
BG20697	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1600	120	120	120	ug/Kg
BG20697	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100	270	60	60	60	ug/Kg
BG20697	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	270	20	20	20	ug/Kg
BG20697	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	3300	270	1000	1000	1000	ug/Kg
BG20697	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	19000	1100	3600	3600	3600	ug/Kg
BG20698	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	940	210	210	210	ug/Kg
BG20698	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	20	20	20	ug/Kg
BG20698	\$8260MADPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	330	330	330	ug/Kg
BG20698	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	9400	50	50	50	ug/Kg
BG20698	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	610	940	50	50	50	ug/Kg
BG20698	\$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	190	190	190	ug/Kg
BG20698	\$8260MADPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	270	270	270	ug/Kg
BG20698	\$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	250	250	250	ug/Kg
BG20698	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	5600	120	120	120	ug/Kg
BG20698	\$8260MADPR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	370	370	370	ug/Kg
BG20698	\$8260MADPR	1,1,1-Trichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	680	680	680	ug/Kg
BG20698	\$8260MADPR	Methyl t-butyl ether (MTBE)	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1900	930	930	930	ug/Kg
BG20698	\$8260MADPR	Carbon tetrachloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	760	760	760	ug/Kg
BG20698	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	430	940	60	60	60	ug/Kg
BG20698	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	20	20	20	ug/Kg
BG20698	\$8260MADPR	Trichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	940	470	470	470	ug/Kg
BG20698	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	24000	940	1000	1000	1000	ug/Kg
BG20698	\$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	15000	940	3900	3900	3900	ug/Kg
BG20698	\$8260MADPR	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	24000	940	8400	8400	8400	ug/Kg
BG20698	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential	56000	3100	47000	47000	47000	ug/Kg
BG20698	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	56000	3100	3600	3600	3600	ug/Kg
BG20698	MN-SM	Manganese	NY / 375-6.8 Metals / Residential	2860	33	2000	2000	2000	mg/Kg
BG20698	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	2860	33	1600	1600	1600	mg/Kg
BG20701	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	290	210	210	210	ug/Kg
BG20701	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	20	20	20	ug/Kg
BG20701	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2900	50	50	50	ug/Kg
BG20701	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	50	50	50	ug/Kg
BG20701	\$8260MADPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	190	190	190	ug/Kg
BG20701	\$8260MADPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	270	270	270	ug/Kg

Sample Criteria Exceedences Report**GBG20691 - EBC**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG20701	\$8260MADPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	250	250	ug/Kg
BG20701	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1800	120	120	ug/Kg
BG20701	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1400	290	60	60	ug/Kg
BG20701	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	290	20	20	ug/Kg
BG20701	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	36000	2900	700	700	ug/Kg
BG20701	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	26000	2900	1000	1000	ug/Kg
BG20701	\$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	8700	290	3900	3900	ug/Kg
BG20701	\$8260MADPR	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	14000	2900	8400	8400	ug/Kg
BG20701	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential	48000	2900	47000	47000	ug/Kg
BG20701	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	48000	2900	3600	3600	ug/Kg
BG20705	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG20705	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG20705	\$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG20705	\$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	160	250	50	50	ug/Kg
BG20705	\$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BG20705	\$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG20705	\$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG20705	\$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

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



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



NY Temperature Narration

May 05, 2014

SDG I.D.: GBG20691

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

Customer: EBC Project: 845 Grand St, Brooklyn Project P.O.:
 Address: 1808 Middle Country Rd Report to: EBC Phone #:
Ridge NY Invoice to: EBC Fax #:

Sampler's Signature: [Signature] Date: 3/18/14
 Client Sample - Information - Identification

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
20691	S01 12-14	Soil	3/18/14	
20692	S02 12-14			
20693	S03 12-14			
20694	S04 12-14			
20695	S05 12-14			
20696	S06 12-14			
*20697	S06 25-26			
20698	S06 26-27			
20699	S08 12-14			
20700	S09 12-14			
20701	S09 15'			
20702	S09 25			

Matrix Code: DW=drinking water GW=groundwater	WW=wastewater SL=sludge	S=soil/solid A=air	O=oil X=other	Analysis Request
				Soil VOA [] Methanol [] Bisulphate [] H2O
				GL Soil container () oz
				40 ml VOA Vial [] As is [] HCl
				GL Amber 1000ml [] As is [] H2SO4
				PL As is [] 250ml [] 500ml [] 1000ml
				PL H2SO4 [] 250ml [] 500ml [] 1000ml
				PL HNO3 250ml
				Bacteria Bottle

Relinquished by: [Signature] Accepted by: [Signature] Date: 3-19-14 Time: 11:20

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

NY Res. Criteria
 TOGS GA GW
 CP-51 Soil
 NY375 Unrestricted Soil
 NY375 Residential Soil
 NY375 Restricted Non-Residential Soil

NJ Res. Criteria
 Impact to GW Soil Cleanup Criteria
 GW Criteria

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

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

State where samples were collected: NJ

Comments, Special Requirements or Regulations:
* 1 low level voa labeled B5(25-26)
(TP)



Thursday, May 22, 2014

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

Project ID: 845 GRAND STREET
Sample ID#s: BG22621 - BG22624

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.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. 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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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 845 GRAND STREET
Laboratory Project: GBG22621



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

May 22, 2014

SDG I.D.: GBG22621

Environmental Business Consultants 845 GRAND STREET

SDG Comments

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

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

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

May 22, 2014

SDG I.D.: GBG22621

Environmental Business Consultants 845 GRAND STREET

Sample Id Cross Reference

Client Id	Lab Id	Matrix
SB7 12-14	BG22621	SOIL
SB7 19-21	BG22622	SOIL
TRIP BLANK HIGH	BG22623	SOIL
TRIP BLANK LOW	BG22624	SOIL



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NY Analytical Services Protocol Format

May 22, 2014

SDG I.D.: GBG22621

Environmental Business Consultants 845 GRAND STREET

Laboratory Chronicle

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

Sample	Analysis	Collection Date	Extraction Date	Analysis Date	Analyst	Hold Time Met
BG22621	Aluminum	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Antimony	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Arsenic	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Barium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Beryllium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Cadmium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Calcium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Chromium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Cobalt	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Copper	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Iron	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Lead	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Magnesium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Manganese	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Mercury	03/24/14	03/26/14	03/26/14	RS	Y
BG22621	Nickel	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Pesticides - Soil	03/24/14	03/25/14	03/27/14	CE	Y
BG22621	Polychlorinated Biphenyls	03/24/14	03/25/14	03/25/14	AW	Y
BG22621	Potassium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Selenium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Semivolatiles	03/24/14	03/25/14	03/26/14	DD	Y
BG22621	Silver	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Sodium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Thallium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Vanadium	03/24/14	03/25/14	03/26/14	LK	Y
BG22621	Volatiles	03/24/14	03/26/14	03/26/14	JLI	Y
BG22621	Zinc	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Aluminum	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Antimony	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Arsenic	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Barium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Beryllium	03/24/14	03/25/14	03/26/14	LK	Y



Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

May 22, 2014

SDG I.D.: GBG22621

Environmental Business Consultants 845 GRAND STREET

BG22622	Cadmium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Calcium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Chromium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Cobalt	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Copper	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Iron	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Lead	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Magnesium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Manganese	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Mercury	03/24/14	03/26/14	03/26/14	RS	Y
BG22622	Nickel	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Pesticides - Soil	03/24/14	03/25/14	03/27/14	CE	Y
BG22622	Polychlorinated Biphenyls	03/24/14	03/25/14	03/25/14	AW	Y
BG22622	Potassium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Selenium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Semivolatiles	03/24/14	03/25/14	03/26/14	DD	Y
BG22622	Silver	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Sodium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Thallium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Vanadium	03/24/14	03/25/14	03/26/14	LK	Y
BG22622	Volatiles	03/24/14	03/26/14	03/26/14	JLI	Y
BG22622	Zinc	03/24/14	03/25/14	03/26/14	LK	Y
BG22623	Volatiles	03/24/14	03/26/14	03/26/14	JLI	Y
BG22624	Volatiles	03/24/14	03/26/14	03/26/14	JLI	Y



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

May 22, 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:
 Received by: LDA
 Analyzed by: see "By" below

Date

03/24/14
 03/25/14

Time

0:00
 15:17

Laboratory Data

SDG ID: GBG22621
 Phoenix ID: BG22621

Project ID: 845 GRAND STREET
 Client ID: SB7 12-14

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.23	mg/Kg	03/26/14	LK	SW6010
Aluminum	8520	38	7.5	mg/Kg	03/26/14	LK	SW6010
Arsenic	1.9	0.8	0.75	mg/Kg	03/26/14	LK	SW6010
Barium	40.2	0.8	0.15	mg/Kg	03/26/14	LK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	03/26/14	LK	SW6010
Calcium	691	3.8	3.5	mg/Kg	03/26/14	LK	SW6010
Cadmium	< 0.38	0.38	0.15	mg/Kg	03/26/14	LK	SW6010
Cobalt	7.14	0.38	0.15	mg/Kg	03/26/14	LK	SW6010
Chromium	19.6	0.38	0.15	mg/Kg	03/26/14	LK	SW6010
Copper	21.2	0.38	0.30	mg/kg	03/26/14	LK	SW6010
Iron	28600	38	38	mg/Kg	03/26/14	LK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	03/26/14	RS	SW-7471
Potassium	1380	N 8	2.9	mg/Kg	03/26/14	LK	SW6010
Magnesium	1940	3.8	0.23	mg/Kg	03/26/14	LK	SW6010
Manganese	452	3.8	1.5	mg/Kg	03/26/14	LK	SW6010
Sodium	133	8	3.2	mg/Kg	03/26/14	LK	SW6010
Nickel	11.7	0.38	0.15	mg/Kg	03/26/14	LK	SW6010
Lead	6.2	0.8	0.23	mg/Kg	03/26/14	LK	SW6010
QC for Mercury	Completed				03/26/14		
QC for ICP	Completed				03/26/14		SW6010
Antimony	< 1.9	1.9	1.9	mg/Kg	03/26/14	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	03/26/14	LK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	03/26/14	LK	SW6010
Vanadium	36.8	0.4	0.15	mg/Kg	03/26/14	LK	SW6010
Zinc	31.3	0.8	0.38	mg/Kg	03/26/14	LK	SW6010
Percent Solid	90			%	03/25/14	I	E160.3
Soil Extraction for PCB	Completed				03/25/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed				03/25/14	JB	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Soil Extraction for SVOA	Completed				03/25/14	JJ/FV	SW3545
Mercury Digestion MS/MSD	Completed				03/26/14		SW7471
Mercury Digestion	Completed				03/26/14	I/I	SW7471
MS/MSD Ext. For PCB	Completed				03/25/14	AW	
MS/MSD Ext. for Pesticide	Completed				03/25/14		
MS/MSD Ext. for Semi-Vol.	Completed				03/26/14		
Total Metals Digest MS/MSD	Completed				03/26/14		
Total Metals Digest	Completed				03/25/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/24/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	03/25/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	03/25/14	AW	SW 8082

QA/QC Surrogates

% DCBP	93			%	03/25/14	AW	30 - 150 %
% TCMX	90			%	03/25/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	03/27/14	CE	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	03/27/14	CE	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Methoxychlor	ND	7.2	7.2	ug/Kg	03/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	03/27/14	CE	SW8081

QA/QC Surrogates

% DCBP	98			%	03/27/14	CE	30 - 150 %
% TCMX	89			%	03/27/14	CE	30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
QC for PCB	Completed				03/25/14	AW	
QC for Pesticides	Completed				03/27/14	CE	
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	12	2.0	ug/Kg	03/26/14	JLI	SW8260
1,1,1-Trichloroethane	ND	12	2.5	ug/Kg	03/26/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	12	1.7	ug/Kg	03/26/14	JLI	SW8260
1,1,2-Trichloroethane	ND	12	1.2	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethane	ND	12	2.4	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethene	ND	12	2.7	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloropropene	ND	12	2.4	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	12	2.5	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichloropropane	ND	12	1.7	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	12	2.5	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	12	1.8	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	12	3.3	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromoethane	ND	12	3.3	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichlorobenzene	ND	12	1.4	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloroethane	ND	12	1.1	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloropropane	ND	12	1.7	ug/Kg	03/26/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	12	1.6	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichlorobenzene	ND	12	1.8	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichloropropane	ND	12	1.3	ug/Kg	03/26/14	JLI	SW8260
1,4-Dichlorobenzene	ND	12	1.9	ug/Kg	03/26/14	JLI	SW8260
2,2-Dichloropropane	ND	12	2.1	ug/Kg	03/26/14	JLI	SW8260
2-Chlorotoluene	ND	12	2.0	ug/Kg	03/26/14	JLI	SW8260
2-Hexanone	ND	61	5.5	ug/Kg	03/26/14	JLI	SW8260
2-Isopropyltoluene	ND	12	1.7	ug/Kg	03/26/14	JLI	SW8260
4-Chlorotoluene	ND	12	1.4	ug/Kg	03/26/14	JLI	SW8260
4-Methyl-2-pentanone	ND	61	2.9	ug/Kg	03/26/14	JLI	SW8260
Acetone	ND	50	12	ug/Kg	03/26/14	JLI	SW8260
Acrylonitrile	ND	25	6.9	ug/Kg	03/26/14	JLI	SW8260
Benzene	ND	12	2.4	ug/Kg	03/26/14	JLI	SW8260
Bromobenzene	ND	12	1.6	ug/Kg	03/26/14	JLI	SW8260
Bromochloromethane	ND	12	1.8	ug/Kg	03/26/14	JLI	SW8260
Bromodichloromethane	ND	12	1.5	ug/Kg	03/26/14	JLI	SW8260
Bromoform	ND	12	1.7	ug/Kg	03/26/14	JLI	SW8260
Bromomethane	ND	12	9.5	ug/Kg	03/26/14	JLI	SW8260
Carbon Disulfide	ND	12	2.0	ug/Kg	03/26/14	JLI	SW8260
Carbon tetrachloride	ND	12	1.4	ug/Kg	03/26/14	JLI	SW8260
Chlorobenzene	ND	12	1.8	ug/Kg	03/26/14	JLI	SW8260
Chloroethane	ND	12	2.9	ug/Kg	03/26/14	JLI	SW8260
Chloroform	ND	12	2.2	ug/Kg	03/26/14	JLI	SW8260
Chloromethane	ND	12	6.4	ug/Kg	03/26/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	12	2.7	ug/Kg	03/26/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	12	1.3	ug/Kg	03/26/14	JLI	SW8260
Dibromochloromethane	ND	12	1.4	ug/Kg	03/26/14	JLI	SW8260
Dibromomethane	ND	12	1.5	ug/Kg	03/26/14	JLI	SW8260
Dichlorodifluoromethane	ND	12	3.3	ug/Kg	03/26/14	JLI	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Ethylbenzene	ND	12	2.2	ug/Kg	03/26/14	JLI	SW8260
Hexachlorobutadiene	ND	12	2.6	ug/Kg	03/26/14	JLI	SW8260
Isopropylbenzene	ND	12	2.4	ug/Kg	03/26/14	JLI	SW8260
m&p-Xylene	ND	12	4.8	ug/Kg	03/26/14	JLI	SW8260
Methyl Ethyl Ketone	ND	74	11	ug/Kg	03/26/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	25	3.4	ug/Kg	03/26/14	JLI	SW8260
Methylene chloride	ND	12	2.0	ug/Kg	03/26/14	JLI	SW8260
Naphthalene	ND	12	3.3	ug/Kg	03/26/14	JLI	SW8260
n-Butylbenzene	ND	12	2.2	ug/Kg	03/26/14	JLI	SW8260
n-Propylbenzene	ND	12	2.2	ug/Kg	03/26/14	JLI	SW8260
o-Xylene	ND	12	4.7	ug/Kg	03/26/14	JLI	SW8260
p-Isopropyltoluene	ND	12	1.8	ug/Kg	03/26/14	JLI	SW8260
sec-Butylbenzene	ND	12	2.3	ug/Kg	03/26/14	JLI	SW8260
Styrene	ND	12	3.5	ug/Kg	03/26/14	JLI	SW8260
tert-Butylbenzene	ND	12	2.0	ug/Kg	03/26/14	JLI	SW8260
Tetrachloroethene	ND	12	2.6	ug/Kg	03/26/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	25	11	ug/Kg	03/26/14	JLI	SW8260
Toluene	ND	12	1.9	ug/Kg	03/26/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	12	2.5	ug/Kg	03/26/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	12	2.5	ug/Kg	03/26/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	25	23	ug/Kg	03/26/14	JLI	SW8260
Trichloroethene	ND	12	2.6	ug/Kg	03/26/14	JLI	SW8260
Trichlorofluoromethane	ND	12	2.7	ug/Kg	03/26/14	JLI	SW8260
Trichlorotrifluoroethane	ND	12	1.9	ug/Kg	03/26/14	JLI	SW8260
Vinyl chloride	ND	12	4.0	ug/Kg	03/26/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	03/26/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	03/26/14	JLI	59 - 113 %
% Dibromofluoromethane	102			%	03/26/14	JLI	70 - 130 %
% Toluene-d8	101			%	03/26/14	JLI	84 - 138 %
QC for Volatile	Completed				03/27/14		
MS/MSD Volatiles					03/27/14	JLI	
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/26/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/26/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/26/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	150	ug/Kg	03/26/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/26/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
2-Methylnaphthalene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/26/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/26/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/26/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	03/26/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	740	170	ug/Kg	03/26/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/26/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	400	ug/Kg	03/26/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
4-Chloroaniline	ND	740	170	ug/Kg	03/26/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
4-Nitroaniline	ND	1800	120	ug/Kg	03/26/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/26/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Acetophenone	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/26/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzidine	ND	740	220	ug/Kg	03/26/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzoic acid	ND	1800	740	ug/Kg	03/26/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	95	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/26/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Di-n-butylphthalate	ND	260	98	ug/Kg	03/26/14	DD	SW 8270
Di-n-octylphthalate	ND	260	95	ug/Kg	03/26/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Phenanthrene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Pyridine	ND	260	91	ug/Kg	03/26/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	98			%	03/26/14	DD	19 - 122 %
% 2-Fluorobiphenyl	91			%	03/26/14	DD	30 - 115 %
% 2-Fluorophenol	89			%	03/26/14	DD	25 - 121 %
% Nitrobenzene-d5	77			%	03/26/14	DD	23 - 120 %
% Phenol-d5	88			%	03/26/14	DD	24 - 113 %
% Terphenyl-d14	97			%	03/26/14	DD	18 - 137 %
QC for Semi-Volatile	Completed				03/26/14		

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

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

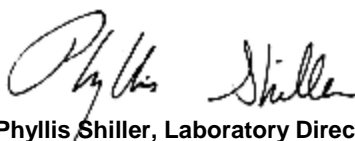
Comments:

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.

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

May 22, 2014

Reviewed and Released by: Tina Covensky



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 22, 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:
 Received by: LDA
 Analyzed by: see "By" below

Date

03/24/14
 03/25/14

Time

0:00
 15:17

Laboratory Data

SDG ID: GBG22621
 Phoenix ID: BG22622

Project ID: 845 GRAND STREET
 Client ID: SB7 19-21

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	03/26/14	LK	SW6010
Aluminum	7330	33	6.6	mg/Kg	03/26/14	LK	SW6010
Arsenic	1.7	0.7	0.66	mg/Kg	03/26/14	LK	SW6010
Barium	44.9	0.7	0.13	mg/Kg	03/26/14	LK	SW6010
Beryllium	< 0.26	0.26	0.13	mg/Kg	03/26/14	LK	SW6010
Calcium	1410	3.3	3.0	mg/Kg	03/26/14	LK	SW6010
Cadmium	< 0.33	0.33	0.13	mg/Kg	03/26/14	LK	SW6010
Cobalt	8.33	0.33	0.13	mg/Kg	03/26/14	LK	SW6010
Chromium	26.7	0.33	0.13	mg/Kg	03/26/14	LK	SW6010
Copper	18.9	0.33	0.26	mg/kg	03/26/14	LK	SW6010
Iron	22200	33	33	mg/Kg	03/26/14	LK	SW6010
Mercury	< 0.09	0.09	0.05	mg/Kg	03/26/14	RS	SW-7471
Potassium	1330	N 7	2.6	mg/Kg	03/26/14	LK	SW6010
Magnesium	2360	3.3	0.20	mg/Kg	03/26/14	LK	SW6010
Manganese	524	3.3	1.3	mg/Kg	03/26/14	LK	SW6010
Sodium	199	7	2.8	mg/Kg	03/26/14	LK	SW6010
Nickel	14.9	0.33	0.13	mg/Kg	03/26/14	LK	SW6010
Lead	6.4	0.7	0.20	mg/Kg	03/26/14	LK	SW6010
Antimony	< 1.7	1.7	1.7	mg/Kg	03/26/14	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	03/26/14	LK	SW6010
Thallium	< 1.3	1.3	1.3	mg/Kg	03/26/14	LK	SW6010
Vanadium	32.6	0.3	0.13	mg/Kg	03/26/14	LK	SW6010
Zinc	27.6	0.7	0.33	mg/Kg	03/26/14	LK	SW6010
Percent Solid	90			%	03/25/14	I	E160.3
Soil Extraction for PCB	Completed				03/25/14	JB/V	SW3545
Soil Extraction for Pesticide	Completed				03/25/14	JB	SW3545
Soil Extraction for SVOA	Completed				03/25/14	JJ/FV	SW3545
Mercury Digestion	Completed				03/26/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				03/25/14	CB/AG	SW846 - 3050
Field Extraction	Completed				03/24/14		SW5035

Polychlorinated Biphenyls

PCB-1016	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1221	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1232	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1242	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1248	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1254	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1260	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1262	ND	37	37	ug/Kg	03/25/14	AW	SW 8082
PCB-1268	ND	37	37	ug/Kg	03/25/14	AW	SW 8082

QA/QC Surrogates

% DCBP	91			%	03/25/14	AW	30 - 150 %
% TCMX	88			%	03/25/14	AW	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	03/27/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Chlordane	ND	22	22	ug/Kg	03/27/14	CE	SW8081
d-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Endosulfan I	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Endosulfan II	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Endosulfan sulfate	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Endrin	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Endrin aldehyde	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	03/27/14	CE	SW8081
Heptachlor	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	03/27/14	CE	SW8081
Methoxychlor	ND	7.4	7.4	ug/Kg	03/27/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	03/27/14	CE	SW8081

QA/QC Surrogates

% DCBP	98			%	03/27/14	CE	30 - 150 %
% TCMX	89			%	03/27/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.4	0.73	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethane	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,1-Dichloroethene	ND	7.4	1.6	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloropropene	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.4	2.0	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromoethane	ND	7.4	2.0	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.4	0.82	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloroethane	ND	7.4	0.66	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloropropane	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.4	0.98	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichloropropane	ND	7.4	0.79	ug/Kg	03/26/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
2,2-Dichloropropane	ND	7.4	1.3	ug/Kg	03/26/14	JLI	SW8260
2-Chlorotoluene	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
2-Hexanone	ND	37	3.4	ug/Kg	03/26/14	JLI	SW8260
2-Isopropyltoluene	ND	7.4	1.0	ug/Kg	03/26/14	JLI	SW8260
4-Chlorotoluene	ND	7.4	0.86	ug/Kg	03/26/14	JLI	SW8260
4-Methyl-2-pentanone	ND	37	1.8	ug/Kg	03/26/14	JLI	SW8260
Acetone	ND	50	7.4	ug/Kg	03/26/14	JLI	SW8260
Acrylonitrile	ND	15	4.2	ug/Kg	03/26/14	JLI	SW8260
Benzene	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
Bromobenzene	ND	7.4	0.97	ug/Kg	03/26/14	JLI	SW8260
Bromochloromethane	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
Bromodichloromethane	ND	7.4	0.92	ug/Kg	03/26/14	JLI	SW8260
Bromoform	ND	7.4	1.0	ug/Kg	03/26/14	JLI	SW8260
Bromomethane	ND	7.4	5.7	ug/Kg	03/26/14	JLI	SW8260
Carbon Disulfide	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
Carbon tetrachloride	ND	7.4	0.86	ug/Kg	03/26/14	JLI	SW8260
Chlorobenzene	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
Chloroethane	ND	7.4	1.7	ug/Kg	03/26/14	JLI	SW8260
Chloroform	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260
Chloromethane	ND	7.4	3.9	ug/Kg	03/26/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.4	1.6	ug/Kg	03/26/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.4	0.80	ug/Kg	03/26/14	JLI	SW8260
Dibromochloromethane	ND	7.4	0.83	ug/Kg	03/26/14	JLI	SW8260
Dibromomethane	ND	7.4	0.94	ug/Kg	03/26/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.4	2.0	ug/Kg	03/26/14	JLI	SW8260
Ethylbenzene	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260
Hexachlorobutadiene	ND	7.4	1.6	ug/Kg	03/26/14	JLI	SW8260
Isopropylbenzene	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260
m&p-Xylene	ND	7.4	2.9	ug/Kg	03/26/14	JLI	SW8260
Methyl Ethyl Ketone	ND	45	6.5	ug/Kg	03/26/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	15	2.1	ug/Kg	03/26/14	JLI	SW8260
Methylene chloride	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
Naphthalene	ND	7.4	2.0	ug/Kg	03/26/14	JLI	SW8260
n-Butylbenzene	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260

1

B

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
n-Propylbenzene	ND	7.4	1.3	ug/Kg	03/26/14	JLI	SW8260
o-Xylene	ND	7.4	2.8	ug/Kg	03/26/14	JLI	SW8260
p-Isopropyltoluene	ND	7.4	1.1	ug/Kg	03/26/14	JLI	SW8260
sec-Butylbenzene	ND	7.4	1.4	ug/Kg	03/26/14	JLI	SW8260
Styrene	ND	7.4	2.1	ug/Kg	03/26/14	JLI	SW8260
tert-Butylbenzene	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
Tetrachloroethene	ND	7.4	1.6	ug/Kg	03/26/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	15	6.7	ug/Kg	03/26/14	JLI	SW8260
Toluene	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.4	1.5	ug/Kg	03/26/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	15	14	ug/Kg	03/26/14	JLI	SW8260
Trichloroethene	ND	7.4	1.6	ug/Kg	03/26/14	JLI	SW8260
Trichlorofluoromethane	ND	7.4	1.7	ug/Kg	03/26/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.4	1.2	ug/Kg	03/26/14	JLI	SW8260
Vinyl chloride	ND	7.4	2.4	ug/Kg	03/26/14	JLI	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	03/26/14	JLI	70 - 121 %
% Bromofluorobenzene	99			%	03/26/14	JLI	59 - 113 %
% Dibromofluoromethane	101			%	03/26/14	JLI	70 - 130 %
% Toluene-d8	101			%	03/26/14	JLI	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	03/26/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
2,4-Dichlorophenol	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	03/26/14	DD	SW 8270
2,4-Dinitrophenol	ND	1800	260	ug/Kg	03/26/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
2-Chlorophenol	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
2-Methylnaphthalene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	03/26/14	DD	SW 8270
2-Nitroaniline	ND	1800	370	ug/Kg	03/26/14	DD	SW 8270
2-Nitrophenol	ND	260	230	ug/Kg	03/26/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	730	170	ug/Kg	03/26/14	DD	SW 8270
3-Nitroaniline	ND	1800	800	ug/Kg	03/26/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1800	390	ug/Kg	03/26/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
4-Chloroaniline	ND	730	170	ug/Kg	03/26/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	03/26/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Nitroaniline	ND	1800	120	ug/Kg	03/26/14	DD	SW 8270
4-Nitrophenol	ND	1800	170	ug/Kg	03/26/14	DD	SW 8270
Acenaphthene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Acenaphthylene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Acetophenone	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Aniline	ND	1800	740	ug/Kg	03/26/14	DD	SW 8270
Anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benz(a)anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzidine	ND	730	220	ug/Kg	03/26/14	DD	SW 8270
Benzo(a)pyrene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzo(b)fluoranthene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Benzo(ghi)perylene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzo(k)fluoranthene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Benzoic acid	ND	1800	730	ug/Kg	03/26/14	DD	SW 8270
Benzyl butyl phthalate	ND	260	94	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	260	99	ug/Kg	03/26/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Carbazole	ND	1800	280	ug/Kg	03/26/14	DD	SW 8270
Chrysene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dibenzofuran	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Diethyl phthalate	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Dimethylphthalate	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Di-n-butylphthalate	ND	260	97	ug/Kg	03/26/14	DD	SW 8270
Di-n-octylphthalate	ND	260	94	ug/Kg	03/26/14	DD	SW 8270
Fluoranthene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Fluorene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Hexachlorobenzene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Hexachlorobutadiene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Hexachloroethane	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Isophorone	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Naphthalene	ND	260	110	ug/Kg	03/26/14	DD	SW 8270
Nitrobenzene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
N-Nitrosodimethylamine	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Pentachloronitrobenzene	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Pentachlorophenol	ND	260	140	ug/Kg	03/26/14	DD	SW 8270
Phenanthrene	ND	260	100	ug/Kg	03/26/14	DD	SW 8270
Phenol	ND	260	120	ug/Kg	03/26/14	DD	SW 8270
Pyrene	ND	260	130	ug/Kg	03/26/14	DD	SW 8270
Pyridine	ND	260	90	ug/Kg	03/26/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	102			%	03/26/14	DD	19 - 122 %
% 2-Fluorobiphenyl	95			%	03/26/14	DD	30 - 115 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorophenol	94			%	03/26/14	DD	25 - 121 %
% Nitrobenzene-d5	80			%	03/26/14	DD	23 - 120 %
% Phenol-d5	92			%	03/26/14	DD	24 - 113 %
% Terphenyl-d14	95			%	03/26/14	DD	18 - 137 %

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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 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.

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

May 22, 2014

Reviewed and Released by: Tina Covensky



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 22, 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:
 Received by: LDA
 Analyzed by: see "By" below

Date

03/24/14
 03/25/14

Time

0:00
 15:17

Laboratory Data

SDG ID: GBG22621
 Phoenix ID: BG22623

Project ID: 845 GRAND STREET
 Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	03/25/14	I	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	250	41	ug/Kg	03/26/14	JLI	SW8260
1,1,1-Trichloroethane	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	250	36	ug/Kg	03/26/14	JLI	SW8260
1,1,2-Trichloroethane	ND	250	25	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethane	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethene	ND	250	55	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloropropene	ND	250	49	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichloropropane	ND	250	36	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	250	36	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	250	67	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromoethane	ND	250	67	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichlorobenzene	ND	250	28	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloroethane	ND	250	22	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloropropane	ND	250	36	ug/Kg	03/26/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	250	33	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichlorobenzene	ND	250	37	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichloropropane	ND	250	27	ug/Kg	03/26/14	JLI	SW8260
1,4-Dichlorobenzene	ND	250	40	ug/Kg	03/26/14	JLI	SW8260
2,2-Dichloropropane	ND	250	42	ug/Kg	03/26/14	JLI	SW8260
2-Chlorotoluene	ND	250	40	ug/Kg	03/26/14	JLI	SW8260
2-Hexanone	ND	1300	110	ug/Kg	03/26/14	JLI	SW8260
2-Isopropyltoluene	ND	250	35	ug/Kg	03/26/14	JLI	SW8260
4-Chlorotoluene	ND	250	29	ug/Kg	03/26/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1300	60	ug/Kg	03/26/14	JLI	SW8260
Acetone	ND	2500	250	ug/Kg	03/26/14	JLI	SW8260
Acrylonitrile	ND	500	140	ug/Kg	03/26/14	JLI	SW8260
Benzene	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
Bromobenzene	ND	250	33	ug/Kg	03/26/14	JLI	SW8260
Bromochloromethane	ND	250	37	ug/Kg	03/26/14	JLI	SW8260
Bromodichloromethane	ND	250	31	ug/Kg	03/26/14	JLI	SW8260
Bromoform	ND	250	35	ug/Kg	03/26/14	JLI	SW8260
Bromomethane	ND	250	190	ug/Kg	03/26/14	JLI	SW8260
Carbon Disulfide	ND	250	41	ug/Kg	03/26/14	JLI	SW8260
Carbon tetrachloride	ND	250	29	ug/Kg	03/26/14	JLI	SW8260
Chlorobenzene	ND	250	37	ug/Kg	03/26/14	JLI	SW8260
Chloroethane	ND	250	59	ug/Kg	03/26/14	JLI	SW8260
Chloroform	ND	250	46	ug/Kg	03/26/14	JLI	SW8260
Chloromethane	ND	250	130	ug/Kg	03/26/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	250	55	ug/Kg	03/26/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	250	27	ug/Kg	03/26/14	JLI	SW8260
Dibromochloromethane	ND	250	28	ug/Kg	03/26/14	JLI	SW8260
Dibromomethane	ND	250	32	ug/Kg	03/26/14	JLI	SW8260
Dichlorodifluoromethane	ND	250	67	ug/Kg	03/26/14	JLI	SW8260
Ethylbenzene	ND	250	46	ug/Kg	03/26/14	JLI	SW8260
Hexachlorobutadiene	ND	250	53	ug/Kg	03/26/14	JLI	SW8260
Isopropylbenzene	ND	250	48	ug/Kg	03/26/14	JLI	SW8260
m&p-Xylene	ND	250	99	ug/Kg	03/26/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1500	220	ug/Kg	03/26/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	500	69	ug/Kg	03/26/14	JLI	SW8260
Methylene chloride	58	JBS	250	41	ug/Kg	03/26/14	JLI SW8260
Naphthalene	ND	250	67	ug/Kg	03/26/14	JLI	SW8260
n-Butylbenzene	ND	250	46	ug/Kg	03/26/14	JLI	SW8260
n-Propylbenzene	ND	250	45	ug/Kg	03/26/14	JLI	SW8260
o-Xylene	ND	250	96	ug/Kg	03/26/14	JLI	SW8260
p-Isopropyltoluene	ND	250	36	ug/Kg	03/26/14	JLI	SW8260
sec-Butylbenzene	ND	250	47	ug/Kg	03/26/14	JLI	SW8260
Styrene	ND	250	72	ug/Kg	03/26/14	JLI	SW8260
tert-Butylbenzene	ND	250	40	ug/Kg	03/26/14	JLI	SW8260
Tetrachloroethene	ND	250	53	ug/Kg	03/26/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	500	230	ug/Kg	03/26/14	JLI	SW8260
Toluene	ND	250	40	ug/Kg	03/26/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	250	50	ug/Kg	03/26/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	250	51	ug/Kg	03/26/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	500	460	ug/Kg	03/26/14	JLI	SW8260
Trichloroethene	ND	250	53	ug/Kg	03/26/14	JLI	SW8260
Trichlorofluoromethane	ND	250	56	ug/Kg	03/26/14	JLI	SW8260
Trichlorotrifluoroethane	ND	250	39	ug/Kg	03/26/14	JLI	SW8260
Vinyl chloride	ND	250	81	ug/Kg	03/26/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	03/26/14	JLI	70 - 121 %
% Bromofluorobenzene	97			%	03/26/14	JLI	59 - 113 %
% Dibromofluoromethane	98			%	03/26/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	101			%	03/26/14	JLI	84 - 138 %

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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 LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

100% Solid Assumed

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

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

May 22, 2014

Reviewed and Released by: Tina Covensky



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 22, 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:
 Received by: LDA
 Analyzed by: see "By" below

Date: 03/24/14
 03/25/14
 Time: 0:00
 15:17

Laboratory Data

SDG ID: GBG22621
 Phoenix ID: BG22624

Project ID: 845 GRAND STREET
 Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	03/25/14	I	E160.3
Field Extraction	Completed				03/24/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.0	0.82	ug/Kg	03/26/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	03/26/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	03/26/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
1,1-Dichloropropene	ND	5.0	0.97	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/26/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.0	0.71	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	03/26/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.0	0.72	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	1.3	ug/Kg	03/26/14	JLI	SW8260
1,2-Dibromoethane	ND	5.0	1.3	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.0	0.55	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloroethane	ND	5.0	0.44	ug/Kg	03/26/14	JLI	SW8260
1,2-Dichloropropane	ND	5.0	0.71	ug/Kg	03/26/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	0.66	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	0.74	ug/Kg	03/26/14	JLI	SW8260
1,3-Dichloropropane	ND	5.0	0.53	ug/Kg	03/26/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.0	0.79	ug/Kg	03/26/14	JLI	SW8260
2,2-Dichloropropane	ND	5.0	0.84	ug/Kg	03/26/14	JLI	SW8260
2-Chlorotoluene	ND	5.0	0.80	ug/Kg	03/26/14	JLI	SW8260
2-Hexanone	ND	25	2.3	ug/Kg	03/26/14	JLI	SW8260
2-Isopropyltoluene	ND	5.0	0.69	ug/Kg	03/26/14	JLI	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	0.58	ug/Kg	03/26/14	JLI	SW8260
4-Methyl-2-pentanone	ND	25	1.2	ug/Kg	03/26/14	JLI	SW8260
Acetone	ND	50	5.0	ug/Kg	03/26/14	JLI	SW8260
Acrylonitrile	ND	10	2.8	ug/Kg	03/26/14	JLI	SW8260
Benzene	ND	5.0	0.99	ug/Kg	03/26/14	JLI	SW8260
Bromobenzene	ND	5.0	0.65	ug/Kg	03/26/14	JLI	SW8260
Bromochloromethane	ND	5.0	0.73	ug/Kg	03/26/14	JLI	SW8260
Bromodichloromethane	ND	5.0	0.62	ug/Kg	03/26/14	JLI	SW8260
Bromoform	ND	5.0	0.70	ug/Kg	03/26/14	JLI	SW8260
Bromomethane	ND	5.0	3.9	ug/Kg	03/26/14	JLI	SW8260
Carbon Disulfide	ND	5.0	0.81	ug/Kg	03/26/14	JLI	SW8260
Carbon tetrachloride	ND	5.0	0.58	ug/Kg	03/26/14	JLI	SW8260
Chlorobenzene	ND	5.0	0.74	ug/Kg	03/26/14	JLI	SW8260
Chloroethane	ND	5.0	1.2	ug/Kg	03/26/14	JLI	SW8260
Chloroform	ND	5.0	0.91	ug/Kg	03/26/14	JLI	SW8260
Chloromethane	ND	5.0	2.6	ug/Kg	03/26/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.0	0.54	ug/Kg	03/26/14	JLI	SW8260
Dibromochloromethane	ND	5.0	0.56	ug/Kg	03/26/14	JLI	SW8260
Dibromomethane	ND	5.0	0.63	ug/Kg	03/26/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.0	1.3	ug/Kg	03/26/14	JLI	SW8260
Ethylbenzene	ND	5.0	0.91	ug/Kg	03/26/14	JLI	SW8260
Hexachlorobutadiene	ND	5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
Isopropylbenzene	ND	5.0	0.96	ug/Kg	03/26/14	JLI	SW8260
m&p-Xylene	ND	5.0	2.0	ug/Kg	03/26/14	JLI	SW8260
Methyl Ethyl Ketone	ND	30	4.3	ug/Kg	03/26/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	10	1.4	ug/Kg	03/26/14	JLI	SW8260
Methylene chloride	ND	5.0	0.82	ug/Kg	03/26/14	JLI	SW8260
Naphthalene	ND	5.0	1.3	ug/Kg	03/26/14	JLI	SW8260
n-Butylbenzene	ND	5.0	0.91	ug/Kg	03/26/14	JLI	SW8260
n-Propylbenzene	ND	5.0	0.90	ug/Kg	03/26/14	JLI	SW8260
o-Xylene	ND	5.0	1.9	ug/Kg	03/26/14	JLI	SW8260
p-Isopropyltoluene	ND	5.0	0.72	ug/Kg	03/26/14	JLI	SW8260
sec-Butylbenzene	ND	5.0	0.94	ug/Kg	03/26/14	JLI	SW8260
Styrene	ND	5.0	1.4	ug/Kg	03/26/14	JLI	SW8260
tert-Butylbenzene	ND	5.0	0.80	ug/Kg	03/26/14	JLI	SW8260
Tetrachloroethene	1.1	J 5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	10	4.5	ug/Kg	03/26/14	JLI	SW8260
Toluene	2.1	J 5.0	0.79	ug/Kg	03/26/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.0	1.0	ug/Kg	03/26/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.0	1.0	ug/Kg	03/26/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	10	9.3	ug/Kg	03/26/14	JLI	SW8260
Trichloroethene	ND	5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
Trichlorofluoromethane	ND	5.0	1.1	ug/Kg	03/26/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.0	0.78	ug/Kg	03/26/14	JLI	SW8260
Vinyl chloride	ND	5.0	1.6	ug/Kg	03/26/14	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	03/26/14	JLI	70 - 121 %
% Bromofluorobenzene	96			%	03/26/14	JLI	59 - 113 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Dibromofluoromethane	101			%	03/26/14	JLI	70 - 130 %
% Toluene-d8	102			%	03/26/14	JLI	84 - 138 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
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 LOD=Limit of Detection MDL=Method Detection Limit

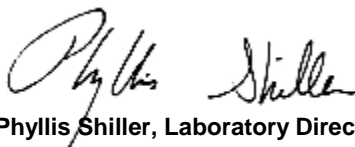
Comments:

100% Solid Assumed

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

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

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Phyllis Shiller, Laboratory Director

May 22, 2014

Reviewed and Released by: Tina Covensky



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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QA/QC Report

May 22, 2014

QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 269716, QC Sample No: BG22621 (BG22621, BG22622)												
<u>ICP Metals - Soil</u>												
Aluminum	BRL	8520	7930	7.20	100	106	5.8	NC	NC	NC	80 - 120	30
Antimony	BRL	<1.9	<3.4	NC	97.0	99.0	2.0	83.2	84.8	1.9	80 - 120	30
Arsenic	BRL	1.9	1.67	NC	97.8	104	6.1	88.5	90.9	2.7	80 - 120	30
Barium	BRL	40.2	34.8	14.4	112	117	4.4	101	111	9.4	80 - 120	30
Beryllium	BRL	<0.30	<0.27	NC	108	114	5.4	95.1	97.1	2.1	80 - 120	30
Cadmium	BRL	<0.38	<0.34	NC	114	121	6.0	90.7	93.0	2.5	80 - 120	30
Calcium	BRL	691	721	4.20	113	118	4.3	NC	NC	NC	80 - 120	30
Chromium	BRL	19.6	21.2	7.80	111	116	4.4	101	97.7	3.3	80 - 120	30
Cobalt	BRL	7.14	7.49	4.80	113	119	5.2	94.5	95.8	1.4	80 - 120	30
Copper	BRL	21.2	22.3	5.10	116	121	4.2	98.2	100	1.8	80 - 120	30
Iron	BRL	28600	28600	0	107	109	1.9	NC	NC	NC	80 - 120	30
Lead	BRL	6.2	5.89	5.10	120	104	14.3	92.1	93.6	1.6	80 - 120	30
Magnesium	BRL	1940	2070	6.50	104	110	5.6	NC	NC	NC	80 - 120	30
Manganese	BRL	452	445	1.60	111	116	4.4	106	NC	NC	80 - 120	30
Nickel	BRL	11.7	12.3	5.00	115	120	4.3	94.6	95.5	0.9	80 - 120	30
Potassium	BRL	1380	1410	2.20	93.9	99.5	5.8	>130	116	NC	80 - 120	30
Selenium	BRL	<1.5	<1.4	NC	91.9	94.9	3.2	81.6	83.5	2.3	80 - 120	30
Silver	BRL	<0.38	<0.34	NC	103	108	4.7	96.7	99.0	2.4	80 - 120	30
Sodium	BRL	133	133	0	114	125	9.2	116	90.0	25.2	80 - 120	30
Thallium	BRL	<1.5	<3.1	NC	106	113	6.4	92.3	94.7	2.6	80 - 120	30
Vanadium	BRL	36.8	37.2	1.10	110	114	3.6	94.8	92.9	2.0	80 - 120	30
Zinc	BRL	31.3	35.4	12.3	104	110	5.6	89.5	89.9	0.4	80 - 120	30
QA/QC Batch 269752, QC Sample No: BG22621 (BG22621, BG22622)												
Mercury - Soil	BRL	<0.07	<0.09	NC	97.2	98.0	0.8	96.4	98.8	2.5	75 - 125	30

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



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 22, 2014

QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 269714, QC Sample No: BG22621 (BG22621, BG22622)										
<u>Pesticides - Soil</u>										
4,4' -DDD	ND	102	>140	NC	>140	>140	NC	30 - 150	30	l,m
4,4' -DDE	ND	58	102	55.0	101	114	12.1	50 - 150	30	r
4,4' -DDT	ND	64	115	57.0	109	125	13.7	30 - 150	50	r
a-BHC	ND	49	89	58.0	92	98	6.3	30 - 150	30	r
a-Chlordane	ND	52	87	50.4	88	97	9.7	30 - 150	30	r
Aldrin	ND	48	87	57.8	85	95	11.1	30 - 150	43	r
b-BHC	ND	52	94	57.5	95	102	7.1	30 - 150	30	r
Chlordane	ND	NA	NA	NC	NA	NA	NC	30 - 150	30	
d-BHC	ND	45	77	52.5	82	87	5.9	30 - 150	30	r
Dieldrin	ND	51	92	57.3	94	100	6.2	30 - 130	38	r
Endosulfan I	ND	51	89	54.3	94	98	4.2	30 - 150	30	r
Endosulfan II	ND	45	80	56.0	91	96	5.3	30 - 150	30	r
Endosulfan sulfate	ND	45	81	57.1	88	83	5.8	50 - 120	30	l,r
Endrin	ND	53	93	54.8	97	104	7.0	50 - 120	45	r
Endrin aldehyde	ND	57	97	51.9	111	108	2.7	30 - 150	30	r
Endrin ketone	ND	50	91	58.2	95	94	1.1	30 - 150	30	r
g-BHC	ND	49	87	55.9	91	97	6.4	50 - 120	50	l,r
g-Chlordane	ND	51	88	53.2	90	97	7.5	30 - 130	30	r
Heptachlor	ND	50	88	55.1	88	98	10.8	30 - 150	31	r
Heptachlor epoxide	ND	51	89	54.3	93	100	7.3	50 - 150	30	r
Methoxychlor	ND	99	>140	NC	>140	>140	NC	30 - 150	30	l,m
Toxaphene	ND	NA	NA	NC	NA	NA	NC	30 - 150	30	
% DCBP	83	61	99	47.5	94	100	6.2	30 - 150	30	r
% TCMX	78	57	91	45.9	90	96	6.5	30 - 150	30	r

QA/QC Batch 269705, QC Sample No: BG22621 (BG22621, BG22622)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	100	107	6.8	108	106	1.9	30 - 120	15	
PCB-1221	ND							30 - 150	30	
PCB-1232	ND							30 - 150	30	
PCB-1242	ND							30 - 150	30	
PCB-1248	ND							30 - 150	30	
PCB-1254	ND							30 - 150	30	
PCB-1260	ND	100	107	6.8	111	106	4.6	30 - 150	20	
PCB-1262	ND							30 - 150	30	
PCB-1268	ND							30 - 150	30	
% DCBP (Surrogate Rec)	79	92	94	2.2	99	100	1.0	30 - 150	20	
% TCMX (Surrogate Rec)	82	102	105	2.9	108	107	0.9	30 - 150	20	

QA/QC Batch 269891, QC Sample No: BG22621 (BG22621 (38, 1X) , BG22622, BG22623 (50X) , BG22624)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	91	95	4.3	81	82	1.2	70 - 130	30	
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QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1-Trichloroethane	ND	99	98	1.0	94	92	2.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	88	93	5.5	96	92	4.3	70 - 130	30	
1,1,2-Trichloroethane	ND	94	96	2.1	94	90	4.3	70 - 130	30	
1,1-Dichloroethane	ND	96	95	1.0	97	92	5.3	70 - 130	30	
1,1-Dichloroethene	ND	97	95	2.1	91	86	5.6	70 - 130	30	
1,1-Dichloropropene	ND	97	96	1.0	98	96	2.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	102	89	13.6	100	81	21.0	70 - 130	30	
1,2,3-Trichloropropane	ND	93	93	0.0	97	92	5.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	101	92	9.3	97	81	18.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	102	104	1.9	98	95	3.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	94	89	5.5	80	70	13.3	70 - 130	30	
1,2-Dibromoethane	ND	93	96	3.2	92	89	3.3	70 - 130	30	
1,2-Dichlorobenzene	ND	95	94	1.1	98	93	5.2	70 - 130	30	
1,2-Dichloroethane	ND	96	97	1.0	98	94	4.2	70 - 130	30	
1,2-Dichloropropane	ND	95	95	0.0	96	92	4.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	99	101	2.0	99	97	2.0	70 - 130	30	
1,3-Dichlorobenzene	ND	93	94	1.1	95	90	5.4	70 - 130	30	
1,3-Dichloropropane	ND	93	96	3.2	97	95	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	93	94	1.1	96	90	6.5	70 - 130	30	
2,2-Dichloropropane	ND	98	98	0.0	88	88	0.0	70 - 130	30	
2-Chlorotoluene	ND	94	97	3.1	97	95	2.1	70 - 130	30	
2-Hexanone	ND	85	85	0.0	82	76	7.6	70 - 130	30	
2-Isopropyltoluene	ND	100	101	1.0	103	100	3.0	70 - 130	30	
4-Chlorotoluene	ND	96	99	3.1	96	93	3.2	70 - 130	30	
4-Methyl-2-pentanone	ND	88	88	0.0	90	84	6.9	70 - 130	30	
Acetone	5.6 JBS	94	71	27.9	63	57	10.0	70 - 130	30	m
Acrylonitrile	ND	88	88	0.0	94	89	5.5	70 - 130	30	
Benzene	ND	97	97	0.0	99	96	3.1	70 - 130	30	
Bromobenzene	ND	93	95	2.1	94	93	1.1	70 - 130	30	
Bromochloromethane	ND	91	91	0.0	93	90	3.3	70 - 130	30	
Bromodichloromethane	ND	95	95	0.0	85	85	0.0	70 - 130	30	
Bromoform	ND	88	90	2.2	66	63	4.7	70 - 130	30	m
Bromomethane	ND	110	97	12.6	64	50	24.6	70 - 130	30	m
Carbon Disulfide	ND	85	84	1.2	91	84	8.0	70 - 130	30	
Carbon tetrachloride	ND	99	98	1.0	80	80	0.0	70 - 130	30	
Chlorobenzene	ND	95	96	1.0	98	95	3.1	70 - 130	30	
Chloroethane	ND	101	97	4.0	42	40	4.9	70 - 130	30	m
Chloroform	ND	94	95	1.1	94	92	2.2	70 - 130	30	
Chloromethane	ND	106	100	5.8	95	91	4.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	95	94	1.1	96	93	3.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	93	94	1.1	89	87	2.3	70 - 130	30	
Dibromochloromethane	ND	92	97	5.3	75	74	1.3	70 - 130	30	
Dibromomethane	ND	95	96	1.0	95	92	3.2	70 - 130	30	
Dichlorodifluoromethane	ND	139	135	2.9	114	110	3.6	70 - 130	30	l
Ethylbenzene	ND	95	96	1.0	99	95	4.1	70 - 130	30	
Hexachlorobutadiene	ND	105	103	1.9	105	94	11.1	70 - 130	30	
Isopropylbenzene	ND	97	100	3.0	98	99	1.0	70 - 130	30	
m&p-Xylene	ND	96	96	0.0	99	95	4.1	70 - 130	30	
Methyl ethyl ketone	ND	75	75	0.0	77	71	8.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	97	96	1.0	103	98	5.0	70 - 130	30	
Methylene chloride	0.86 JBS	88	87	1.1	89	84	5.8	70 - 130	30	
Naphthalene	ND	100	88	12.8	101	85	17.2	70 - 130	30	
n-Butylbenzene	ND	104	104	0.0	99	92	7.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
n-Propylbenzene	ND	102	105	2.9	97	96	1.0	70 - 130	30
o-Xylene	ND	94	96	2.1	99	94	5.2	70 - 130	30
p-Isopropyltoluene	ND	101	102	1.0	98	94	4.2	70 - 130	30
sec-Butylbenzene	ND	97	98	1.0	100	98	2.0	70 - 130	30
Styrene	ND	93	96	3.2	99	95	4.1	70 - 130	30
tert-Butylbenzene	ND	97	100	3.0	99	98	1.0	70 - 130	30
Tetrachloroethene	ND	97	98	1.0	99	95	4.1	70 - 130	30
Tetrahydrofuran (THF)	ND	89	88	1.1	94	89	5.5	70 - 130	30
Toluene	ND	96	97	1.0	97	94	3.1	70 - 130	30
trans-1,2-Dichloroethene	ND	97	95	2.1	97	94	3.1	70 - 130	30
trans-1,3-Dichloropropene	ND	92	95	3.2	87	85	2.3	70 - 130	30
trans-1,4-dichloro-2-butene	ND	91	100	9.4	76	76	0.0	70 - 130	30
Trichloroethene	ND	97	98	1.0	96	93	3.2	70 - 130	30
Trichlorofluoromethane	ND	106	106	0.0	27	25	7.7	70 - 130	30
Trichlorotrifluoroethane	ND	108	105	2.8	100	93	7.3	70 - 130	30
Vinyl chloride	ND	112	110	1.8	91	91	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	99	1.0	101	99	2.0	70 - 121	30
% Bromofluorobenzene	99	99	100	1.0	100	100	0.0	59 - 113	30
% Dibromofluoromethane	101	102	104	1.9	100	102	2.0	70 - 130	30
% Toluene-d8	102	100	101	1.0	101	100	1.0	84 - 138	30

QA/QC Batch 269713, QC Sample No: BG22621 (BG22621, BG22622)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	84	86	2.4	89	86	3.4	30 - 130	30
1,2,4-Trichlorobenzene	ND	81	82	1.2	83	86	3.6	30 - 130	30
1,2-Dichlorobenzene	ND	83	84	1.2	83	88	5.8	30 - 130	30
1,2-Diphenylhydrazine	ND	90	93	3.3	100	98	2.0	30 - 130	30
1,3-Dichlorobenzene	ND	82	83	1.2	81	87	7.1	30 - 130	30
1,4-Dichlorobenzene	ND	82	82	0.0	81	86	6.0	30 - 130	30
2,4,5-Trichlorophenol	ND	106	105	0.9	112	110	1.8	30 - 130	30
2,4,6-Trichlorophenol	ND	108	108	0.0	113	111	1.8	30 - 130	30
2,4-Dichlorophenol	ND	91	93	2.2	97	93	4.2	30 - 130	30
2,4-Dimethylphenol	ND	54	55	1.8	55	53	3.7	30 - 130	30
2,4-Dinitrophenol	ND	29	30	3.4	36	14	88.0	30 - 130	30
2,4-Dinitrotoluene	ND	89	92	3.3	101	96	5.1	30 - 130	30
2,6-Dinitrotoluene	ND	92	95	3.2	101	98	3.0	30 - 130	30
2-Chloronaphthalene	ND	98	98	0.0	98	102	4.0	30 - 130	30
2-Chlorophenol	ND	90	92	2.2	91	93	2.2	30 - 130	30
2-Methylnaphthalene	ND	85	87	2.3	90	87	3.4	30 - 130	30
2-Methylphenol (o-cresol)	ND	82	83	1.2	82	80	2.5	30 - 130	30
2-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30
2-Nitrophenol	ND	83	86	3.6	89	90	1.1	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	86	89	3.4	87	81	7.1	30 - 130	30
3,3'-Dichlorobenzidine	ND	111	113	1.8	113	103	9.3	30 - 130	30
3-Nitroaniline	ND	113	118	4.3	130	125	3.9	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	76	77	1.3	110	89	21.1	30 - 130	30
4-Bromophenyl phenyl ether	ND	100	100	0.0	103	102	1.0	30 - 130	30
4-Chloro-3-methylphenol	ND	90	94	4.3	100	92	8.3	30 - 130	30
4-Chloroaniline	ND	67	66	1.5	75	74	1.3	30 - 130	30
4-Chlorophenyl phenyl ether	ND	92	93	1.1	100	97	3.0	30 - 130	30
4-Nitroaniline	ND	98	99	1.0	103	101	2.0	30 - 130	30
4-Nitrophenol	ND	91	94	3.2	107	97	9.8	30 - 130	30
Acenaphthene	ND	89	90	1.1	93	94	1.1	30 - 130	30

QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthylene	ND	90	92	2.2	95	96	1.0	30 - 130	30	
Acetophenone	ND	95	96	1.0	95	95	0.0	30 - 130	30	
Aniline	ND	95	98	3.1	92	95	3.2	30 - 130	30	
Anthracene	ND	95	95	0.0	100	99	1.0	30 - 130	30	
Benz(a)anthracene	ND	91	91	0.0	98	97	1.0	30 - 130	30	
Benzidine	ND	106	86	20.8	18	25	32.6	30 - 130	30	m,r
Benzo(a)pyrene	ND	86	86	0.0	91	91	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	102	101	1.0	107	108	0.9	30 - 130	30	
Benzo(ghi)perylene	ND	84	85	1.2	99	95	4.1	30 - 130	30	
Benzo(k)fluoranthene	ND	100	99	1.0	100	106	5.8	30 - 130	30	
Benzyl butyl phthalate	ND	87	87	0.0	97	101	4.0	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	83	84	1.2	86	88	2.3	30 - 130	30	
Bis(2-chloroethyl)ether	ND	79	80	1.3	80	82	2.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	83	83	0.0	84	87	3.5	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	96	97	1.0	103	107	3.8	30 - 130	30	
Carbazole	ND	131	127	3.1	134	133	0.7	30 - 130	30	l,m
Chrysene	ND	93	93	0.0	100	99	1.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	90	91	1.1	104	99	4.9	30 - 130	30	
Dibenzofuran	ND	92	93	1.1	98	97	1.0	30 - 130	30	
Diethyl phthalate	ND	89	91	2.2	100	97	3.0	30 - 130	30	
Dimethylphthalate	ND	91	94	3.2	99	98	1.0	30 - 130	30	
Di-n-butylphthalate	ND	94	92	2.2	100	102	2.0	30 - 130	30	
Di-n-octylphthalate	ND	89	95	6.5	100	95	5.1	30 - 130	30	
Fluoranthene	ND	101	93	8.2	103	116	11.9	30 - 130	30	
Fluorene	ND	94	97	3.1	102	99	3.0	30 - 130	30	
Hexachlorobenzene	ND	96	95	1.0	98	99	1.0	30 - 130	30	
Hexachlorobutadiene	ND	83	82	1.2	84	86	2.4	30 - 130	30	
Hexachlorocyclopentadiene	ND	71	73	2.8	79	70	12.1	30 - 130	30	
Hexachloroethane	ND	81	82	1.2	82	86	4.8	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	88	88	0.0	101	97	4.0	30 - 130	30	
Isophorone	ND	88	89	1.1	93	94	1.1	30 - 130	30	
Naphthalene	ND	85	85	0.0	86	87	1.2	30 - 130	30	
Nitrobenzene	ND	85	87	2.3	86	87	1.2	30 - 130	30	
N-Nitrosodimethylamine	ND	83	86	3.6	83	93	11.4	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	86	89	3.4	88	87	1.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	107	110	2.8	118	113	4.3	30 - 130	30	
Pentachloronitrobenzene	ND	98	98	0.0	101	101	0.0	30 - 130	30	
Pentachlorophenol	ND	87	88	1.1	109	105	3.7	30 - 130	30	
Phenanthrene	ND	95	96	1.0	100	100	0.0	30 - 130	30	
Phenol	ND	92	95	3.2	92	93	1.1	30 - 130	30	m
Pyrene	ND	107	96	10.8	106	123	14.8	30 - 130	30	
Pyridine	ND	76	76	0.0	73	83	12.8	30 - 130	30	
% 2,4,6-Tribromophenol	84	101	104	2.9	101	107	5.8	19 - 122	30	
% 2-Fluorobiphenyl	80	93	91	2.2	89	95	6.5	30 - 115	30	
% 2-Fluorophenol	83	86	88	2.3	85	90	5.7	25 - 121	30	
% Nitrobenzene-d5	72	77	79	2.6	76	85	11.2	23 - 120	30	
% Phenol-d5	83	89	91	2.2	87	89	2.3	24 - 113	30	
% Terphenyl-d14	82	121	104	15.1	109	137	22.8	18 - 137	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

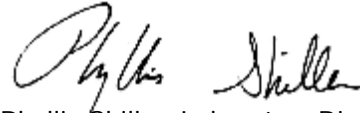
QA/QC Data

SDG I.D.: GBG22621

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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



Phyllis Shiller, Laboratory Director
May 22, 2014

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBG22621 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG22623	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	250	210	210	ug/Kg
BG22623	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg
BG22623	\$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2500	50	50	ug/Kg
BG22623	\$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	58	250	50	50	ug/Kg
BG22623	\$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	190	190	ug/Kg
BG22623	\$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1500	120	120	ug/Kg
BG22623	\$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	60	60	ug/Kg
BG22623	\$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	250	20	20	ug/Kg

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



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NY Temperature Narration

May 22, 2014

SDG I.D.: GBG22621

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

