

262 GREEN
262-276 GREEN STREET and 263 HURON STREET
BROOKLYN, NEW YORK 11237
Block 2454, Lots 24, 26, 28 and 38

REMEDIAL INVESTIGATION REPORT

August 2017

Prepared for:

270 Green LLC
209 Harrison Avenue
Brooklyn, NY 11206

And

270 Green Holdings, LLC
199 Lee Avenue, #693
Brooklyn, NY 11211



ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road
Ridge, NY 11961

TABLE OF CONTENTS
REMEDIAL INVESTIGATION REPORT
262 GREEN

1.0	INTRODUCTION.....	1
1.1	Project Background	1
1.2	Site Location and Description	1
1.3	Redevelopment Plans	2
1.4	Site History	2
1.5	Summary of Previous Investigations	2
1.5.1	Phase I Environmental Site Assessment (EBC - June 2014).....	2
1.5.2	Phase II Subsurface Investigation (EBC - November 2014).....	4
2.0	REMEDIAL INVESTIGATION	6
2.1	Field Investigation	6
2.2	Soil Sampling.....	6
2.2.1	Soil Borings	6
2.3	Monitoring Well Installation.....	6
2.3.1	Groundwater Sampling	7
2.4	Soil Vapor Sampling	7
2.4.1	Installation of Soil Vapor Implants	7
2.4.2	Surface Seal Test Procedure	8
2.4.3	Soil vapor Sample Collection	8
2.5	Laboratory Analysis	8
2.5.1	Analytical Results - Soil Samples	9
2.5.2	Analytical Results - Groundwater Samples.....	10
2.5.3	Analytical Results - Soil Vapor Samples	12
2.5.4	Data Usability Summary Report	12
3.0	HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING	13
3.1	Site Topography	13
3.2	Surrounding Land Use.....	13
3.3	Regional Geology / Hydrogeology.....	13
3.4	Site Geology / Hydrogeology	14
4.0	NATURE AND EXTENT OF CONTAMINATION.....	15
4.1	Identification of Source Areas.....	15
4.2	Groundwater Impacts.....	15
4.3	Soil Vapor Impacts.....	15
4.4	Site Conceptual Model	15
5.0	QUALITATIVE EXPOSURE ASSESSMENT	17
5.1	Contaminant Areas	17
5.2	Contaminant Release and Transport Mechanism.....	17
5.3	Point of Exposure, Route of Exposure and Potentially Exposed Populations	17
6.0	CONCLUSIONS AND RECOMENDATIONS	19
7.0	REFERENCES.....	21

TABLE OF CONTENTS
Remedial Investigation Report
262 GREEN

TABLES

Table 1	Summary of Sampling Program Rationale and Analysis
Table 2	Monitoring Well Specifications and Elevation
Table 3	Laboratory Results – Soil Samples, Volatile Organic Compounds
Table 4	Laboratory Results – Soil Samples, Semi-Volatile Organic Compounds
Table 5	Laboratory Results – Soil Samples, Pesticides/PCBs
Table 6	Laboratory Results – Soil Samples, Metals
Table 7	Laboratory Results – Groundwater Samples, Volatile Organic Compounds
Table 8	Laboratory Results – Groundwater Samples, Semi-Volatile Organic Compounds
Table 9	Laboratory Results – Groundwater Samples, Pesticides/PCBs
Table 10	Laboratory Results – Groundwater Samples, Total Metals
Table 11	Laboratory Results – Groundwater Samples, Dissolved Metals
Table 12	Laboratory Results – Soil Vapor Samples, Volatile Organic Compounds
Table 13	Parameters Detected Above Track 1 Soil Cleanup Objectives
Table 14	Parameters Detected Above Ambient Groundwater Standards

FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Soil Sampling Locations
Figure 4	Soil Gas and Groundwater Sampling Locations
Figure 5	Groundwater Elevation Map
Figure 6	Posted Soil Results above Unrestricted / Restricted Residential SCOs.
Figure 7	Groundwater Results above AWQS
Figure 8	Soil Gas Detections
Figure 9	Geologic Cross-Section

APPENDICES

Appendix A	Soil Boring Logs
Appendix B	Monitoring Well Completion Reports
Appendix C	Groundwater Sampling Logs
Appendix D	Soil Vapor Sampling Log
Appendix E	Laboratory Reports (On Disk)
Appendix F	Data Usability Summary Reports

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST	Aboveground Storage Tank
BCP	Brownfields Cleanup Program
BCA	Brownfield Site Cleanup Agreement
CVOC	Chlorinated VOC
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
PCB	Polychlorinated Biphenyls
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIWR	Remedial Investigation Work Plan
SVOC	Semi-Volatile Organic Compound
UST	Underground Storage Tank
VOC	Volatile Organic Compound

REPORT CERTIFICAION

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.



Charles Sosik, PG
Principal

Date: 8-15-2017

1.0 INTRODUCTION

1.1 Project Background

This Remedial Investigation Report (RIR) was prepared on behalf of 270 Green LLC and 270 Green Holdings LLC for the property known as 262 Green, located at 262-276 Green Street and 263 Huron Street in Brooklyn, New York (hereafter referred to as the Site). In August 2017, 270 Green LLC and 270 Green Holdings 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 purpose of this Remedial Investigation Report is to collect data of sufficient quality and quantity to characterize the nature and extent of residual contamination associated with the UST(s) / historic operations at the site and to complete a qualitative exposure assessment for future occupants of the proposed building and the surrounding community and to evaluate alternatives to remediate the contamination.

The overall objectives of the project are to prepare the Site for commercial use 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 field work portion of the RI was conducted by EBC in July and August 2014, and August 2017.

1.2 Site Location and Description

The street address for the Site is 262-276 Green Street and 263 Huron Street, Brooklyn, NY (**Figure 1**). The Site is located in the City of New York in the Greenpoint neighborhood of the Borough of Brooklyn. The Site is comprised of four tax parcels identified as Block 2454, Lots 24, 26, 28 and 38 which together comprise of approximately 22,500 square feet (0.57 acres). The Site consists of approximately 175 ft of street frontage along Green Street, 100 feet of frontage on Provost Street and 75 feet of street frontage on Huron Avenue. The Site lots will be merged into a single lot as a prerequisite to Site development (**Figure 2**). Currently all of the Site lots are vacant and unoccupied, with no structures present.

The elevation of the Site is approximately 11 feet above the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes to the northeast and east. The depth to groundwater beneath the Site is approximately 9-11 feet below grade. Based on regional groundwater elevation maps, groundwater flows to the east towards Whale Creek.

The area surrounding the property is highly urbanized and is primarily industrial / commercial in accordance with the M1-1, M1-2 and M3-1 zoning which surrounds the property. Adjacent land use includes commercial manufacturing / warehouse buildings to the west, north and south, and a wastewater treatment plant to the east. There are no schools or daycare centers identified within 1,000 feet of the Site. Schools nearest the Site are P.S. 142 located approximately 1.4 miles to the southwest and the Bridgeview School of Fine Arts located approximately 1.45 miles to the northeast.

1.3 Redevelopment Plans

The redevelopment project consists of the construction of a new 6- story mixed-use commercial retail and office building, with full cellar, which will cover Lots 24 and 26 of the Site. The remainder of the Site will be used for parking purposes. One hundred percent of the Site will be excavated to a depth of approximately 10 feet for the cellar level of the proposed building. With groundwater present at approximately 9 feet below grade, dewatering will likely be required during construction of the building's foundation.

1.4 Site History

From 1905 to 1942, the Site was developed with wagon sheds, a storage building in the southern portion (from 1905 to 1916) and stables. From 1942 to 1965, the northeast portion of the Site was vacant, the northwest portion was developed with a single-story commercial/manufacturing building occupied by a portable beds manufacturing facility and the south portion of the Site was developed with a single-story structure which was occupied by a feather sorting facility from 1942 to 1951 and vacant from 1951 to 1965. From 1965 to 1978, the two single-story buildings located in the northwest and south portions of the Site were occupied by factories. In the period between 1978 to 1986, the northeast portion of the Site was utilized for iron painting, the northwest portion was occupied by a factory and the building on the south portion was occupied by a warehouse.

From 1987 to 2007, the northeast portion was utilized for iron painting, the south portion of the Site was vacant and the northwest portion of the Site was developed with a building occupied by a factory. The manufacturing building on the northwest portion of the Site was most recently occupied by a steel fabrication facility and the northeast and south portions of the Site were utilized for storage of wooden pallets, steel, plywood and construction materials. By January 2016, all buildings at the Site were demolished.

Several commercial and manufacturing tenants have historically occupied the Site including a construction company, a steel company, a metal products company, a knitting mill, a jewelry manufacturing facility, a truck appraisals company and a packing facility.

1.5 Summary of Previous Investigations

Environmental investigations performed at the Site include the following:

- Phase I Environmental Site Assessment (EBC - June 2014)
- Phase II Subsurface Investigation (EBC - November 2014)

1.5.1 June 2014 – Phase I Environmental Site Assessment (EBC)

EBC was able to establish a history for the property dating back to 1887. In 1887, the Site was vacant undeveloped land. From 1905 to 1942, the Site was developed with wagon sheds, a storage building in the southern portion (from 1905 to 1916) and stables. From 1942 to 1965, the northeast portion of the Site was vacant, the northwest portion was developed with the then-present day single-story commercial/manufacturing building occupied by a portable beds manufacturing facility and the south portion of the Site was developed with a single-story structure which was occupied by

a feather sorting facility from 1942 to 1951 and vacant from 1951 to 1965. From 1965 to 1978, the two single-story buildings located in the northwest and south portions of the Site were occupied by factories. In the period between 1978 to 1986, the northeast portion of the Site was utilized for iron painting, the northwest portion was occupied by a factory and the building on the south portion was occupied by a warehouse. From 1987 to 2007, the northeast portion was utilized for iron painting, the south portion of the Site was vacant and the northwest portion of the Site was developed with the then-present day building occupied by a factory. The manufacturing building on the northwest portion of the Site is currently occupied by a steel fabrication facility and the northeast and south portions of the Site are utilized for storage of wooden pallets, steel, plywood and construction materials. Several commercial and manufacturing tenants have historically occupied the Site including a construction company, a steel company, a metal products company, a knitting mill, a jewelry manufacturing facility, a truck appraisals company and a packing facility. The then-present day steel fabrication facility has been a tenant of the Site for the past 40 years.

RECOGNIZED ENVIRONMENTAL CONDITIONS

Based upon reconnaissance of the Site and surrounding properties, interviews and review of historical records and regulatory agency databases, this assessment has revealed recognized environmental conditions in connection with the Site and is further discussed below:

- The then-present day steel fabrication facility has occupied the manufacturing building located in the northwest portion of the Site at 262-266 Green Street for nearly forty (40) years since at least 1976. During the onsite reconnaissance, EBC noted the presence of several containers of chemicals including paints, paint thinners and diesel and a drum of waste oil in the building. The usage of these chemicals in connection with the steel fabrication operations conducted onsite represents a significant environmental concern as it is likely that these chemicals have impacted the subsurface of the Site due to the prolonged duration of operations.
- The current manufacturing building located in the northwest portion of the Site at 262-266 Green Street (Lots 24, 26) has been occupied by various manufacturing tenants from as far back as 1942. These include a portable bed manufacturing facility from 1942 to 1965 and various factories from 1965 to 1976 including a metal products facility, a steel company, a construction company and a jewelry manufacturing facility. The historical manufacturing operations would have likely involved the use of cutting oils and solvents, and generated waste containing oils, solvents, and heavy metals. Due to the duration of historical occupancy by factories (nearly 36 years), the unknown operations performed onsite, and the likely use of other petroleum products and hazardous substances, all under circumstances outside of regulatory agency oversight (prior to modern oversight standards), it is likely that the historical use of the northwest portion of the Site has resulted in a release of hazardous substances or petroleum products to the subsurface of the Site.
- According to historical resources reviewed, the northeast portion of the Site at 268-276 Green Street (Lot 28) was utilized for auto wrecking and auto repair activities in 1941 and for iron painting operations beginning 1978 to 2007 (29 years). These historical operations would have involved the use of solvents, paints and petroleum products which would have likely impacted the subsurface of the Site. Hence the historical iron painting and auto repair

activities conducted in the northeast portion of the Site represent a significant environmental concern.

- According to historical resources reviewed, the prior single-story commercial/manufacturing building located in the south portion of the Site at 267-269 Huron Street (Lot 37) was occupied by a factory from 1965 to circa 1978. The historical manufacturing operations would have involved the use of cutting oils and solvents, and generated waste containing oils, solvents, and heavy metals. Therefore, is likely that the historical use of the south portion of the Site has resulted in a release of hazardous substances or petroleum products to the subsurface of the Site.
- EBC noted a vent pipe in on the northeast corner of 266 Green Street likely associated with a heating oil AST or UST during the site inspection. Due to the amount of materials stored adjacent to this location, EBC was unable to determine the location of the suspect tank. The owner indicated that the Site was not equipped with a UST or a AST and is currently heated by natural gas fired equipment. The UST/AST was not identified during the regulatory database search. However, the likely presence of a UST/AST on the Site as indicated by the presence of the vent pipe represents a significant environmental concern.

EBC recommended that a Phase II subsurface investigation be performed on the entire Site (as manufacturing/painting operations have been conducted in the northwest, northeast and the majority of the south portions) to determine if the historical and current occupancy of manufacturing tenants has impacted the subsurface of the Site. In addition, EBC recommends a GPR survey to identify the location of the suspect UST/AST on the Site.

1.5.2 November 2014 - Phase II Subsurface Investigation Report (EBC)

The field work portion of the subsurface investigation was performed on July 15, 2014, and August 7, 2014. The subsurface investigation consisted of the collection and analysis of seven soil samples and seven groundwater samples.

The report concluded the following:

Based on the soil borings, soil at the Site consists of a 2 to 5 foot layer of historic fill material (black/brown silty sand with brick, concrete and wood) underlain by a brown sand. Grey stained soil with PID readings of approximately 2,750 ppm was noted for soil recovered from soil boring SB1 from immediately above and immediately below the groundwater interface. Grey stained soil and elevated PID readings was also encountered at soil borings SB3 and SB8 at the groundwater interface. Groundwater was encountered in each of the soil borings at depths varying from 9 to 11 ft below grade.

Petroleum related VOCs were detected in multiple soil samples collected at the Site at concentrations below Unrestricted Use Soil Cleanup Objectives, including 2-isopropyltoluene, n-butylbenzene, and sec-butylbenzene. Additional VOCs detected in on-site soil below Unrestricted Use SCOs included acetone, carbon disulfide, methyl ethyl ketone, 1,1,2-and trichloroethane. The petroleum related VOC tert-butylbenzene was detected above Unrestricted Use SCOs in soil sample B3(10-13'), but the concentration was below Restricted Residential Use SCOs.

SVOCs were reported above Industrial Use SCOs (benzo(a)pyrene) and Restricted Residential Use SCOs (benzo(a)anthracene, benzo(b)pyrene) and Unrestricted Use SCOs (benzo(k)fluoreanthene, chrysene).

PCB-1248 (maximum 800 ppm) was detected above Unrestricted Use SCOs within two of the shallow soil samples collected from the 0-2ft interval.

The metals arsenic (maximum 28.3 mg/Kg), and lead (maximum 4,120 mg/Kg) were reported above Industrial Use SCOs. Lead was also reported as hazardous with a TCLP lead concentration of 9.79 mg/L. Barium (maximum 786 mg/Kg), copper (maximum 845 mg/Kg) and mercury (maximum 3.85 mg/Kg) were all reported above Commercial Use SCOs. Cadmium (2.95 mg/Kg), was detected above the Restricted Residential Use SCO. Chromium, nickel and zinc were all reported above Unrestricted Use SCOs.

Based on the TCLP lead concentration of 9.79 mg/L reported in soil at the Site, the Site will require classification as hazardous (D008). EBC recommended a Soil/Materials management Plan (SMMP) be prepared to address soil excavated as part of Site redevelopment. The SMMP should include procedures for (a) characterization of fill/soil to be excavated for the proposed redevelopment in accordance with the proposed soil/fill disposal facility, (b) soil screening, (c) community air monitoring, (d) soil/fill excavation, loading and disposal, (e) soil reuse and/or soil import, (f) odor control, and (g) underground storage tank contingency plan.

2.0 REMEDIAL INVESTIGATION

2.1 Field Investigation

The field work portion of the RI was conducted by EBC on July 15, 2014 and August 6-15, 2014, and August 1, 2017. The field investigation consisted of environmental sampling, field observations and measurements to determine:

- Local geologic/hydrogeological conditions;
- Definition of source areas;
- Potential migration of contaminants from the Site to surrounding areas; and,
- Overall characterization of site-related contamination in all media.

The field effort included the collection and analysis of soil, groundwater and soil vapor samples. Laboratory services for soil, groundwater and soil vapor analysis were provided by Phoenix Environmental Laboratories of Manchester, CT (NY Cert No. 11301). A sample matrix showing the number, type and analysis of samples collected during the Remedial Investigation is provided as **Table 1**.

2.2 Soil Sampling

2.2.1 Soil Borings

A total of seven soil borings were advanced between July 15, 2014 and August 15, 2014 to determine if the historical occupancy of manufacturing tenants had impacted the subsurface of the Site (**Figure 3**). Soil borings were collected in continuous five foot intervals to a terminal depth of 15-20 feet below grade. Soil recovered from each soil boring was field screened by a qualified environmental professional for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. Soil samples exhibiting the highest levels of contamination were retained for analysis. Soil boring logs are provided in **Appendix A**.

Fourteen soil samples were sampled and retained for analysis from the seven soil boring locations. Samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). Samples were analyzed for one or more of the following analyses depending on boring location and depth: VOCs (EPA Method 8260), SVOCs (EPA Method 8270), TAL metals and dissolved metals (EPA Method 6010), and Pesticides and PCBs (EPA Method 8081/8082). Soil sample analytical results were compared to NYSDEC Part 375.6 Unrestricted Use and Residential Restricted SCOs.

2.3 Monitoring Well Installation

Six monitoring wells (MW1 through MW6) were installed at the Site on August 1, 2017. All the wells were installed with a track mounted Geoprobe™ Model 6712DT drilling machine to a depth of approximately 20 feet below grade with 10 feet of 0.010 PVC well screen and 10 feet of PVC riser.

A No.00 morie filter-pack sand filled the annulus surrounding the screen within two feet above the top of the screen. A one-foot hydrated bentonite seal was then placed on top of the filter sand and the remainder of the borehole was backfilled to grade. Following installation, each of the wells were surveyed to determine relative casing elevation to the nearest 0.01 ft and horizontal position to the nearest 0.1 ft. Groundwater elevations and monitoring well specifications for each well is provided in **Table 2**. Monitoring well locations are identified in **Figure 4**. Well completion reports detailing monitoring well construction are provided in **Appendix B**.

Prior to sampling, a synoptic round of depth-to-groundwater (DTW) measurements were obtained from wells MW1 through MW6 on August 1, 2017 to determine the water table elevation and to calculate the volume of standing water in the well. The depth to groundwater ranged from 10.40-11.86 feet below grade. Depth to water and survey readings are provided in **Table 2**. A groundwater elevation map from the August 2014 depth to water readings is provided as **Figure 5**.

2.3.1 Groundwater Sampling

Seven borings and six monitoring wells (B1, B3-B8 and MW1-MW6, respectively) were sampled on July 15, 2014, August 7, 2014 and August 1, 2017. Samples from B1 and B3-B8 were collected from previously installed soil borings using a Geoprobe™ SP22 stainless steel retractable groundwater sampler. Sampling consisted of driving the rods to a depth of 15 feet below grade and then retracting the rods approximately 4 feet to expose the screen.

A peristaltic pump and polyethylene sampling tube were used to purge and collect samples from each probe and well location. Sample tubing and the silicone pump tubing were replaced between each sample location.

Samples were collected from the monitoring wells using low-flow sampling techniques and were monitored continuously until parameters stabilized. 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). Groundwater sampling logs are provided in **Appendix C**.

All groundwater samples were analyzed for VOCs by EPA method 8260. In addition, samples from the monitoring wells were analyzed for SVOCs by EPA method 8270, target analyte list (TAL) metals and dissolved metals by EPA method 6010 and Pesticides/PCBs by method 8081/8082.

2.4 Soil Vapor Sampling

Six soil vapor samples were collected during the RI. All samples (SG1 through SG6) were collected at a depth of 9 feet below grade on November 16, 2016. Soil vapor sampling locations are shown on **Figure 4**. 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 the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 10/06)*.

2.4.1 Installation of Soil Vapor Implants

Six soil vapor implants were installed at the Site on August 1, 2017. The vapor implants (Geoprobe™ Model AT86 series), were constructed of a 6-inch length of double woven stainless steel wire and installed to a depth of 9 ft below grade using Geoprobe™ equipment.

During installation, the barbed end of each implant was 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.

2.4.2 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 (Ionscience Gas Check G).

The tracer gas test procedure was employed at all 9 soil vapor sampling locations. All seals tested tight with no infiltration of helium through the surface.

2.4.3 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 0 and 7 inches Hg, (after approximately 2 hrs of run-time) the valve was closed and the canisters were detached from the sampling tube.

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

2.5 Laboratory Analysis

Data tables summarizing the laboratory results are provided in **Tables 3** through **11** 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 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 (AWQS), June 1998. Soil vapor 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. **Table 12** contains a list of parameters detected above Track 1 unrestricted soil cleanup objectives and the range in detections. **Table 13** contains a list of parameters detected above ambient groundwater standards and the range in detections.

2.5.1 Analytical Results – Soil Samples

A total of eight (8) soil samples were collected from seven (7) soil borings for laboratory analysis of VOCs (EPA Method 8260), SVOCs (EPA Method 8270), TAL metals and pesticides/PCBs (EPA Method 8081/8082).

Soil sampling results are summarized in **Tables 3** through **6**. All soil results above Unrestricted Use SCOs are presented in **Table 12** and posted on **Figure 6**. Soil samples collected from the borings had elevated levels of VOCs, SVOCs and heavy metals that exceeded either Unrestricted Use, Restricted Commercial Use or the protection of groundwater SCOs as follows:

VOCs in Soil Above Unrestricted Use SCOs:

B1 (13-15 ft) – Methylene chloride (100 µg/kg)

B3 (10-13 ft) – tert-Butylbenzene (8,600 µg/kg)

B8 (13-15 ft) – Methylene chloride (100 µg/kg)

No VOCs were detected above NYSDEC Restricted Residential SCOs.

SVOCs in Soil Above Unrestricted Use SCOs:

B1 (13-15 ft) – Benz(a)anthracene (3,100 µg/kg), Benzo(k)fluoranthene (1,200 µg/kg), Chrysene (2,800 µg/kg), Benzo(b)fluoranthene (2,800 µg/kg), Indeno(1,2,3-cd)pyrene (1,200 µg/kg)

B3 (7-10 ft) - Benz(a)anthracene (2,600 µg/kg), Benzo(k)fluoranthene (1,000 µg/kg), Chrysene (2,600 µg/kg), Benzo(b)fluoranthene (3,400 µg/kg), Indeno(1,2,3-cd)pyrene (680 µg/kg)

B4 (13-15 ft) - Benz(a)anthracene (2,700 µg/kg), Benzo(k)fluoranthene (910 µg/kg), Chrysene (2,500 µg/kg), Benzo(b)fluoranthene (2,900 µg/kg), Indeno(1,2,3-cd)pyrene (990 µg/kg)

SVOCs in Soil Above Restricted Commercial SCOs:

B1 (13-15 ft) – Benzo(a)pyrene (2,300 µg/kg)

B3 (7-10 ft) – Benzo(a)pyrene (2,200 µg/kg)

B4 (13-15 ft) – Benzo(a)pyrene (2,300 µg/kg)

Metals in Soil Above Unrestricted Use SCOs:

B1 (0-2 ft) – Chromium (60.9 mg/kg), Lead (683 mg/kg), Mercury (0.67 mg/kg), Nickel (38.4 mg/kg), Zinc (1,920 mg/kg)

B1 (13-15 ft) – Copper (63.5 mg/kg), Lead (848 mg/kg), Zinc (285 mg/kg)

B3(0-2 ft) – Lead (492 mg/kg)

B4 (13-15 ft) – Copper (116 mg/kg), Zinc (284 mg/kg)

B5 (0-2 ft) – Mercury (1.17 mg/kg), Zinc (284 mg/kg)

B7 (0-2 ft) – Cadmium (2.95 mg/kg), Chromium (67.5 mg/kg), Zinc (1,250 mg/kg)

B7 (13-15 ft) – Lead (300 mg/kg), Mercury (2.48 mg/kg), Zinc (263 mg/kg)

B8 (0-2 ft) – Copper (171 mg/kg), Mercury (0.24 mg/kg), Zinc (208 mg/kg)

B8 (13-15 ft) – Lead (607 mg/kg), Mercury (1.4 mg/kg), Zinc (152 mg/kg)

Metals in Soil Above Restricted Commercial SCOs:

B1 (0-2 ft) – Arsenic (20.3 mg/kg), Barium (423 mg/kg), Copper (332 mg/kg)

B1 (13-15 ft) – Arsenic (916.3 mg/kg), Mercury (3.85 mg/kg)

B4 (13-15ft) – Lead (1,400 mg/kg), Mercury (3.85 mg/kg)

B5 (0-2ft) – Arsenic (28.3 mg/kg), Copper (553 mg/kg), Lead (1,160 mg/kg)

B6 (3-5 ft) – Lead (4,120 mg/kg)

B7 (0-2 ft) – Arsenic (23.6 mg/kg), Barium (786 mg/kg), Copper (845 mg/kg), Lead (1.830 mg/kg), Mercury (2.84 mg/kg)

B7 (13-15 ft) – Arsenic (19.5 mg/kg)

B8 (0-2 ft) – Lead (1,600 mg/kg)

B8 (13-15 ft) – Arsenic (19.7 mg/kg)

Pesticides in Soil Above Unrestricted Use SCOs:

B8 (0-2 ft) – Heptachlor (91 µg/kg)

No Pesticides were detected above NYSDEC Restricted Commercial SCOs

PCBs in Soil Above Unrestricted Use SCOs:

B1 (0-2 ft) – PCB-1248 (730 µg/kg)

B3 (0-2 ft) – PCB-1248 (800 µg/kg)

No PCBs were detected above NYSDEC Restricted Commercial Use SCOs.

2.5.2 Analytical Results – Groundwater Samples

A total of thirteen groundwater samples were collected from six groundwater monitoring wells and seven probe points for laboratory analysis of VOCs (EPA Method 8260), SVOCs (EPA Method 8270), TAL metals and pesticides/PCBs (EPA Method 8081/8082).

The results of groundwater samples collected during the RI are summarized in **Tables 7** through **10**. Several VOC and metals detections were in excess of the NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998.

No Pesticides and PCBs were detected above NYSDEC AWQS

VOCs in Groundwater Above NYSDEC AWQS:

B3 – 2-Isopropyltoluene (15 µg/L)

B7 – Naphthalene (18 µg/L)

MW2 – tert-Butylbenzene (8.8 µg/L)

MW3 - 2-Isopropyltoluene (6 µg/L), tert-Butylbenzene (7.7 µg/L)

MW4 - 2-Isopropyltoluene (8.1 µg/L), sec-Butylbenzene (6.4 µg/L), tert-Butylbenzene (13 µg/L)

SVOCs in Groundwater Above NYSDEC AWQS:

MW1 – Benz(a)anthracene (0.07 µg/L), Benzo(a)pyrene (0.04 µg/L), Benzo(b)fluoranthene (0.04 µg/L), Benzo(k)fluoranthene (0.04 µg/L), Chrysene (0.07 µg/L), Indeno(1,2,3-cd)pyrene (0.02 µg/L)

MW2 – Benz(a)anthracene (0.06 µg/L), Benzo(a)pyrene (0.05 µg/L), Benzo(b)fluoranthene (0.05 µg/L), Benzo(k)fluoranthene (0.04 µg/L), Chrysene (0.06 µg/L), Indeno(1,2,3-cd)pyrene (0.03 µg/L)

MW3 – Benz(a)anthracene (0.1 µg/L), Benzo(a)pyrene (0.06 µg/L), Benzo(b)fluoranthene (0.06 µg/L), Benzo(k)fluoranthene (0.06 µg/L), Chrysene (0.1 µg/L), Indeno(1,2,3-cd)pyrene (0.04 µg/L)

MW4 – Benz(a)anthracene (0.91 µg/L), Benzo(a)pyrene (0.97 µg/L), Benzo(b)fluoranthene (0.73 µg/L), Benzo(k)fluoranthene (0.74 µg/L), Chrysene (0.93 µg/L), Indeno(1,2,3-cd)pyrene (0.63 µg/L)

MW5 - Benz(a)anthracene (0.08 µg/L), Benzo(a)pyrene (0.07 µg/L), Benzo(b)fluoranthene (0.06 µg/L), Benzo(k)fluoranthene (0.06 µg/L), Chrysene (0.08 µg/L), Indeno(1,2,3-cd)pyrene (0.04 µg/L)

MW5 - Benz(a)anthracene (0.05 µg/L), Benzo(a)pyrene (0.05 µg/L), Benzo(b)fluoranthene (0.05 µg/L), Benzo(k)fluoranthene (0.05 µg/L), Chrysene (0.06 µg/L), Indeno(1,2,3-cd)pyrene (0.03 µg/L)

Dissolved Metals in Groundwater Above NYSDEC AWQS:

MW1 - Manganese (0.657 mg/kg), Sodium (175 mg/kg)

MW2 – Iron (1.77 mg/kg), Lead (0.032 mg/kg), Magnesium (65.1 mg/kg), Manganese (1.57 mg/kg), Sodium (191 mg/kg)

MW3 – Iron (0.55 mg/kg), Manganese (0.612 mg/kg), Sodium (79.4 mg/kg)

MW4 – Iron (1.04 mg/kg), Magnesium (43.8 mg/kg), Manganese (0.814 mg/kg), Sodium (210 mg/kg)

MW5 - Iron (0.61 mg/kg), Magnesium (54 mg/kg), Manganese (1.43 mg/kg), Sodium (307 mg/kg)

MW6 – Aluminum (0.25 mg/kg), Iron (0.41 mg/kg), Manganese (1.45 mg/kg), Sodium (169 mg/kg)

Groundwater parameters reported above groundwater standards are presented in **Table 13** and posted on **Figure 7**.

2.5.3 Analytical Results – Soil Vapor Samples

To determine the vapor quality in the soil beneath the Site, soil vapor samples were collected from six soil vapor implants (SG1 - SG6) installed across the Site. Analytical results were compared to the Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values, 2003).

Total petroleum-related VOCs (BTEX) were generally low in soil vapor samples with the exception of sample locations SG5 (BTEX 541.79 $\mu\text{g}/\text{m}^3$). Total BTEX compounds ranged from 79.80 $\mu\text{g}/\text{m}^3$ (SG2) to 191.90 $\mu\text{g}/\text{m}^3$ (SG7) at all other soil vapor locations.

Chlorinated VOCs (CVOCs) were reported in all of the soil vapor samples with Trichloroethylene (TCE) reported in 5 of the 6 soil vapor samples, and Tetrachloroethylene (PCE) reported in 5 of the 6 soil vapor samples. Detectable concentrations of TCE ranged in concentration from 0.71 $\mu\text{g}/\text{m}^3$ in SG5 located towards the southern side of the Site to 40.2 $\mu\text{g}/\text{m}^3$ in SG1 located at the northwestern side of the Site towards the adjacent property Lot 105. PCE concentrations ranged from 3.48 $\mu\text{g}/\text{m}^3$ in SG4 located at the southeastern corner of the Site at the intersection of Flushing Avenue and Stewart Avenue to 63.5 $\mu\text{g}/\text{m}^3$ in SG6 located towards the southern side of the Site. Soil vapor results are summarized on **Table 11** and posted on **Figure 8**.

2.5.4 Data Usability Summary Report (DUSR)

Data validation are currently being performed to determine if, in general, the data are valid as reported and may be used for decision making purposes. The DUSRs for this RI will be submitted to DEC upon receipt. Following receipt of the DUSRs electronic data deliverables (EDDs) package will be submitted and uploaded to DEC.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

3.1 Site Topography

The elevation of the Site is 11 feet above the National Geodetic Vertical Datum (NGVD). The area topography gradually slopes to the east.

3.2 Surrounding Land Use

The area surrounding the property is highly urbanized and is primarily industrial / commercial in accordance with the M1-1, M1-2 and M3-1 zoning which surrounds the property. Adjacent land use includes commercial manufacturing / warehouse buildings to the west, north and south, and a wastewater treatment plant to the east. There are no schools or daycare centers identified within 1,000 feet of the Site. The nearest schools are The NY League for Early Learning located at 725 Leonard Street approximately 1,900 feet to the southwest, P.S. 31 Samuel F. Dupont - Elementary School, located at 75 Meserole Avenue approximately 2,700 ft southwest and P.S. 34 Oliver H Perry - Elementary School located at 131 Norman Avenue approximately 2,700 feet to the south. There were no nursing homes or hospitals identified within 1,000 feet of the Site

3.3 Regional Geology / Hydrogeology

Long Island's present configuration is primarily the result of glaciation which during the Pleistocene Era, predominately that of the last ice age, the Wisconsin, which ended about ten thousand years ago. Two advances of the Wisconsin ice sheet during the Upper Pleistocene of the Quaternary Period caused the island to be blanketed with till, ice contact stratified drift, outwash deposits and deposits composed of clay, silt, sand, gravel and boulders. The terminal moraines and the north shore are composed primarily of stratified drift with some till. The area between the moraines and south of them are mostly the outwash deposits. Central and South Long Island are of the glaciofluvial origin. The Pleistocene deposits lie atop the gently-dipping Cretaceous rocks.

The bedrock was eroded to a peneplain before the overlying Cretaceous sediments were deposited; its surface shows signs of later erosion by Pleistocene glaciation in the north. Bedrock crops out in northwestern Queens County near the East River and slopes southward at about eighty (80) feet per mile. Consequently, the overlying formations form a southward-dipping wedge that attains a maximum thickness of one-thousand fifty (1,050) feet in the southeast corner of Queens County. The maximum thickness of unconsolidated deposits in Kings County is about eight-hundred (800) feet in southeast Kings.

Overlying bedrock is the Raritan Formation of Late Cretaceous age, consisting of the Lloyd Sand Member and an upper, unnamed clay member. Overlying the Raritan Formation is the Magothy Formation and Matawan Group, undifferentiated, also of Late Cretaceous age, the Jameco Gravel of Pleistocene age, the Gardiners Clay of Pleistocene age, upper Pleistocene deposits of Wisconsin age, and a generally thin soil mantle of Holocene age. Holocene beach deposits make up most of the Rockaway Peninsula and Coney Island in the south, and Holocene salt-marsh deposits underlie and fringe the south-shore bay areas. Artificial filling has been done in low and swampy shoreline areas.

Because Holocene deposits occur in relative small areas of Kings and Queens and are not significant water bearers, they are not included in the geologic descriptions that follow. The four distinct formations on Long Island: The Upper Glacial, the Jameco, the Magothy and the Lloyd aquifers. They all occur in the unconsolidated materials overlying the bedrock.

3.4 Site Geology / Hydrogeology

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. The depth to bedrock in this area of Brooklyn is greater than 100 ft below grade. 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.

Subsurface soils at the Site consist of historic fill materials to a depth of approximately 2 to 5 feet below grade with some areas extending to 8 feet below grade. Silty sand is present immediately below this layer (**Figure 9**).

Groundwater at the Site is present under water table conditions at a depth of 10.40 to 11.86 feet below grade (**Table 2**). Based upon on-site measurements, groundwater flow is to the east (**Figure 5**).

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Identification of Source Areas

The source area identified during the RI consists of tert-butylbenzene in soil on lot 37 adjacent to the main building. This contamination is present in both shallow and deeper soils to some degree and is likely related to solvent used in historical operations at the Site. This would include manufacturing, structural steel fabrication and painting, auto wrecking and auto repair which occurred from the Site's development in 1942 to January 2016.

Historic fill material has been identified across the Site to depths 2 to 5 feet below grade with some areas extending to 8 feet below grade. Depending on location, the historic fill material contains one or more metals including arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel and zinc, pesticides, PAHs and PCBs above unrestricted and / or restricted use SCOs.

4.2 Groundwater Impacts

VOC detections above groundwater standards were limited to 2-Isopropyltoluene, naphthalene, sec-Butylbenzene, and tert-Butylbenzene in sampling locations B3, B7, MW2, MW3, and MW4 .

SVOC detections above groundwater standards included benz(a)anthracene, benzo(a)pyrene, (b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene in wells MW1 through MW6.

Several dissolved metals were detected above standards including iron, magnesium, manganese, and sodium in most of the wells. These metals are consistent with general groundwater quality throughout the area. Lead was also reported above standards at the MW2 location.

4.3 Soil-Vapor Impacts

Petroleum-related VOCs were generally low in all soil vapor samples and consistent with levels typically found in this area of Brooklyn. Chlorinated VOCs (CVOCs) including TCE and PCE were reported in SG1, SG2, SG4, SG5, and SG6. Concentrations were generally low with the exception of PCE in SG6 at 63.5 ug/m³, and TCE in SG1 at 40.2 ug/m³

4.4 Site Conceptual Model

VOC contamination at the Site is limited to tert-butylbenzene in a single location (B3), though other parameters such as sec-butylbenzene and n-butylbenzene were also present in the sample below SCOs. Tert-butylbenzene, sec-butylbenzene and n-butylbenzene below SCOs were reported in only one other location, B1. Both locations are on Lot 37, which was an open area behind the main building and used for storage of equipment and materials. Given the absence of other petroleum VOCs it is likely that the source of the butylbenzenes was as a solvent associated with the preparation of steel for painting or as part of the painting / coating process. The location behind the main building suggests a surface discharge of the solvent in this area of the Site.

The discharge was sufficient to reach the water table as indicated by the presence of tert-butylbenzene above its unrestricted SCO at a the 10-13 ft interval. Minor levels of tert-butylbenzene have transferred to the dissolved phase as evidenced by its presence slightly above its standard in monitoring wells MW2, MW3 and MW4.

Elevated levels of SVOCs and PCBs on lot 37 are likely related to fill materials as are some of the metals present across the Site. However, it is also possible that some of the metals including arsenic, barium, lead and zinc may be related to the industrial painting / coating operations historically present on the Site.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment under the Brownfields Cleanup Program (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

Source areas of the Site include tert-butylbenzene in soil on lot 37 adjacent to the main building. This contamination is present in both shallow and deeper soils to some degree.

Elevated levels of SVOCs, pesticides and PCBs are present in fill materials on lot 37. Metals including hazardous levels of lead are present in both shallow and deep soils throughout the site and may be related to fill materials, historic painting / coating operations or a combination of both.

5.2 Contaminant Release and Transport Mechanism

Contaminants including tert-butylbenzene in deeper soil in contact with groundwater have transferred to the dissolved phase at low but elevated concentrations (slightly above standards). Shallow soil can affect groundwater quality as surface runoff infiltrates the impacted zone and acts as transport water for dissolved constituents. Dissolved components migrating from the source area or infiltrating through surface runoff would travel east with groundwater flow.

Although elevated levels of PCE and TCE were each reported separately in soil vapor at two locations, there is no evidence that the CVOCs are site related. There does not appear to be any significant migration of contaminants at the Site in either groundwater or soil vapor.

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 petroleum VOCs / SVOCs, CVOCs, pesticides, PCBs and heavy metals through several routes. Workers excavating impacted soil may be exposed through inhalation, ingestion and dermal contact. A site specific Health and Safety Plan has been developed to identify and minimize the potential hazards to on-site workers. Site trespassers could also be exposed to impacted soil during excavation, however, security measures including an 8 ft high construction fence and 24 hr security will minimize potential exposure through this route. Potential vapor intrusion is a concern for residents of the planned construction in the north-central area of the Site, however remediation of the source areas is expected to greatly reduce if not eliminate this potential.

Potential Off-Site Exposures: Off-Site residents could also be exposed to dust or vapors during the excavation of impacted soil. A site specific Community Air Monitoring Plan has been developed to identify and minimize the potential for off-site exposure to residents through continuous air monitoring during excavation activity.

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 light end petroleum VOCs or CVOCs. This potential will be further reduced following the removal of the source area under the planned redevelopment of the Site.

Potential Off-Site Environmental Impacts: Since VOCs in groundwater may be migrating beneath the Site at low concentrations in an easterly direction, the groundwater to surface water discharge pathway was evaluated. The nearest surface water to the Site is Whale Creek (Newtown Creek) located approximately 900 feet to the east. Based upon the concentrations of contaminants currently in groundwater beneath the Site, there are no expected impacts to surface water environments from contaminants migrating from the Site.

6.0 CONCLUSIONS AND RECOMENDATIONS

Subsurface soils at the Site consist of historic fill materials to a depth of approximately 2 to 5 feet below grade with some areas extending to 8 feet below grade. Silty sand is present immediately below this layer. The fill material contains elevated levels of some metals, pesticides, PCBs and SVOCs.

Groundwater at the Site is present under water table conditions at a depth of 10.40 to 11.86 feet below grade and flows east.

The results of sampling performed during this RI, identified tert-butylbenzene in soil on lot 37 adjacent to the main building at a depth interval of 10-13 ft below surface grade. Other parameters such as sec-butylbenzene and n-butylbenzene were also present in samples in this area below SCO. Given the absence of other petroleum VOCs, it is likely that the source of the butylbenzenes was a solvent associated with the preparation of steel for painting, or as part of the painting / coating process. The location behind the main building suggests a surface discharge of the solvent in this area of the Site.

Elevated levels of SVOCs, pesticides and PCBs are present in fill materials on lot 37. Metals including arsenic, barium, copper, zinc and hazardous levels of lead are present in both shallow and deep soils throughout the site and may be related to fill materials, historic painting / coating operations or a combination of both.

Minor levels of tert-butylbenzene have transferred to the dissolved phase as evidenced by its presence slightly above its standard in monitoring wells MW2, MW3 and MW4. Other VOC detections reported slightly above groundwater standards included 2-Isopropyltoluene, naphthalene and sec-Butylbenzene.

SVOC detections above groundwater standards were limited to those parameters with part per trillion standards including benz(a)anthracene, benzo(a)pyrene, (b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene. The SVOCs / concentrations report are commonly associated with background conditions.

Several dissolved metals were detected above standards including iron, magnesium, manganese, and sodium in most of the wells. These metals are consistent with general groundwater quality throughout the area and are representative of brackish conditions. Lead was also reported above standards at the MW2 location

The qualitative exposure assessment identified potential completed routes of exposure to construction workers and remediation workers through inhalation, ingestion and dermal contact of petroleum compounds, VOCs, SVOCs, pesticides and heavy metals during excavation activities. The Health and Safety Plan prepared for the site identifies such exposures and provides instructions for on-site workers to minimize potential exposure. Occupants in the proposed on-site building may be exposed to CVOCs through the vapor intrusion pathway, if remedial action is not taken to remove the source.

The exposure assessment indicated a limited potential exposure to residents and commercial workers in adjacent buildings from dust or vapors during excavation of impacted soil. A site-specific Community Air Monitoring Plan has been developed to identify and minimize the potential for off-site exposure to residents through continuous air monitoring during excavation activity. There were no other identified potential impacts to off-site populations from site-related contaminants.

Potential environmental impacts through the groundwater to surface water discharge were considered unlikely based on the concentrations of VOCs in groundwater, the groundwater flow direction (east), and the distance to Whale Creek (900 feet).

Recommendations include excavation and proper handling / disposal of contaminated soil present at the Site. This would include air monitoring and dust control methods to protect the off-site workers and residents. This work should be performed under an approved Remedial Action Work Plan which includes a Soil Management Plan, a Construction Health and Safety Plan and a Community Air Monitoring Plan.

Potential soil vapor impact should be re-evaluated following the completion of remedial activities to determine if conditions improve to the point where active mitigation is unnecessary.

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 – June 2014*

Environmental Business Consultants, *Phase Subsurface Investigation – November 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 Environmental Remediation, December 14, 2006, 6 NYCRR Part 375, *Environmental Remediation Programs, subparts 375-1 to 375-4 & 375-6*.

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 15 feet bgs)	7 of the borings throughout the site.	11	To assess quality of historic fill across the Site.	Pesticides / PCBs EPA Method 8081/8082, TAL metals.
Subsurface soil (Water table)	7 borings throughout the site.	8	To evaluate the extent of soil impact and delineate petroleum source areas	VOCs EPA Method 8260B, SVOCs EPA Method 8270
Total (Soils)		19		
Groundwater (water table)	From 7 Temporary Sampling Points	7	To assess petroleum VOCs in groundwater at the Site.	VOCs EPA Method 8260B
Groundwater (water table)	From 6 monitoring wells across the Site.	6	To assess groundwater quality at the Site.	VOCs EPA Method 8260B, SVOCs EPA Method 8270, pesticide / PCBs EPA Method 8081/8082, TAL metals dissolved and total.
Total (Groundwater)		13		
Soil Gas (9 ft below existing grade)	6 soil gas implants to be installed across the Site.	6	Evaluate soil gas across the Site.	VOCs EPA Method TO15
Total (Soil Gas)		6		

262 Green Street
Brooklyn, New York

Table 2
Well Survey Data

Well No.	Well Diameter (in)	Total Well Depth (ft)	Screened Interval (ft)	Survey Reading (ft)	Casing Elevation (ft amsl)	DTW 8/1/2017 (ft)	DTP	PT	GW ELV 8/2/2017 (ft amsl)
MW1	1	17	7 to 17	3.64	96.36	10.73	-	-	85.63
MW2	1	17	7 to 17	2.84	97.16	11.75	-	-	85.41
MW3	1	17	7 to 17	4.10	95.9	10.40	-	-	85.50
MW4	1	17	7 to 17	3.43	96.57	11.50	-	-	85.07
MW5	1	17	7 to 17	2.69	97.31	11.86	-	-	85.45
MW6	1	17	7 to 17	3.22	96.78	11.75	-	-	85.03

TABLE 3
262 Green St
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Commercial Soil Cleanup Objectives*	B1		B3				B4		B5		B6		B7		B8	
			(13-15) µg/Kg		(7-10) µg/Kg		(10-13) µg/Kg		(13-15) µg/Kg		(13-15) µg/Kg		(15-17) µg/Kg		(13-15) µg/Kg		(13-15) µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,1,1-Trichloroethane	680	500,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,1,2,2-Tetrachloroethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,1,2-Trichloroethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	120	380
1,1-Dichloroethane	270	240,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,1-Dichlorobenzene	330	500,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,1-Dichloropropene			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,2,3-Trichlorobenzene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2,3-Trichloropropane			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2,4-Trichlorobenzene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2,4-Trimethylbenzene	3,600	190,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2-Dibromo-3-chloropropane			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2-Dibromomethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,2-Dichlorobenzene	1,100	500,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,2-Dichloroethane	20	30,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,2-Dichloropropane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,3,5-Trimethylbenzene	8,400	190,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,3-Dichlorobenzene	2,400	280,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
1,3-Dichloropropane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
1,4-Dichlorobenzene	1,800	130,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
2,2-Dichloropropane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
2-Chlorotoluene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
2-Hexanone (Methyl Butyl Ketone)			< 2000	2,000	< 1800	1,800	< 1700	1,700	< 36	36	< 33	33	< 30	30	< 40	40	< 1900	1,900
2-Isopropyltoluene			610	400	520	360	5,400	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	64	380
4-Chlorotoluene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
4-Methyl-2-Pentanone			< 2000	2,000	< 1800	1,800	< 1700	1,700	< 36	36	< 33	33	< 30	30	< 40	40	< 1900	1,900
Acetone	50	500,000	< 4000	4,000	< 1800	1,800	< 1700	1,700	18	50	49	50	41	30	35	50	< 3800	3,800
Acrylonitrile			< 810	810	< 720	720	< 680	680	< 14	14	< 13	13	< 12	12	< 16	16	< 770	770
Benzene	60	44,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Bromobenzene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
Bromochloromethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Bromodichloromethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Bromoform			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Bromomethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Carbon Disulfide			< 400	400	< 360	360	< 340	340	1.4	7.1	2.1	6.6	< 6.0	6	1.7	6.1	< 380	380
Carbon tetrachloride	760	22,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Chlorobenzene	1,100	500,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Chloroethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Chloroform	370	350,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Chloromethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
cis-1,2-Dichloroethene	250	500,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
cis-1,3-Dichloropropene			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Dibromochloromethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Dibromomethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Dichlorodifluoromethane			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Ethylbenzene	1,000	390,000	< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Hexachlorobutadiene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
Isopropylbenzene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
m&p-Xylenes	260		< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
Methyl Ethyl Ketone (2-Butanone)	120	500,000	< 2400	2,400	< 1800	1,800	< 1700	1,700	< 43	43	< 39	39	< 30	30	8.7	46	< 2300	2,300
Methyl t-butyl ether (MTBE)	930	500,000	< 810	810	< 720	720	< 680	680	< 14	14	< 13	13	< 12	12	< 16	16	< 770	770
Methylene chloride	50	500,000	100	400	< 360	360	< 340	340	2.6	7.1	3.4	6.6	< 6.0	6	3.2	6.1	100	380
Naphthalene	12,000		< 400	400	< 360	360	< 240	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
n-Butylbenzene	12,000	500,000	290	400	< 360	360	3,500	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
n-Propylbenzene	3,900	500,000	< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
o-Xylene	260		< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380
p-Isopropyltoluene			< 400	400	< 360	360	< 340	340	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
sec-Butylbenzene	11,000	500,000	1,000	400	760	360	11,000	6,800	< 360	360	< 6.6	6.6	< 6.0	6	< 400	400	< 380	380
Styrene			< 400	400	< 360	360	< 340	340	< 7.1	7.1	< 6.6	6.6	< 6.0	6	< 6.1	6.1	< 380	380

TABLE 4
262 Green St
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Commercial Soil Cleanup Objectives*	B1 (13-15) µg/Kg		B3 (7-10) µg/Kg		B4 (13-15) µg/Kg		B5 (13-15) µg/Kg		B6 (15-17) µg/Kg		B7 (13-15) µg/Kg		B8 (13-15) µg/Kg	
			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	µg/Kg	µg/Kg
1,2,4,5-Tetrachlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
1,2,4-Trichlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
1,2-Dichlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
1,2-Diphenylhydrazine			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
1,3-Dichlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
1,4-Dichlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,4,5-Trichlorophenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,4,6-Trichlorophenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,4-Dichlorophenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,4-Dimethylphenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,4-Dinitrophenol			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
2,4-Dinitrotoluene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2,6-Dinitrotoluene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2-Chloronaphthalene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2-Chlorophenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
2-Methylnaphthalene			< 13000	1,800	-	-	320	660	< 300	300	-	-	< 370	370	< 350	350
2-Methylphenol (o-cresol)	330	500,000	< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 330	330	< 330	330
2-Nitroaniline			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
2-Nitrophenol			< 13000	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
3&4-Methylphenol (m&p-cresol)	330		< 1800	1,800	-	-	3,300	660	< 300	300	-	-	290	370	310	350
3,3'-Dichlorobenzidine			< 5300	5,300	-	-	< 1900	1,900	< 870	870	-	-	< 1100	1,100	< 1000	1,000
3-Nitroaniline			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
4,6-Dinitro-2-methylphenol			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
4-Bromophenyl phenyl ether			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
4-Chloro-3-methylphenol			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
4-Chloroaniline			< 5300	5,300	-	-	< 1900	1,900	< 870	870	-	-	< 1100	1,100	< 1000	1,000
4-Chlorophenyl phenyl ether			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
4-Nitroaniline			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
4-Nitrophenol			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
Acenaphthene	20,000	500,000	< 1800	1,800	630	340	680	660	< 300	300	< 280	280	240	370	< 350	350
Acenaphthylene	100,000	500,000	< 1800	1,800	< 340	340	< 660	660	< 300	300	< 280	280	< 370	370	< 350	350
Acetophenone			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Aniline			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
Anthracene	100,000	500,000	< 1800	1,800	1,100	340	1,600	660	< 300	300	< 280	280	410	370	< 350	350
Benz(a)anthracene	1,000	5,600	3,100	1,800	2,600	340	2,700	660	520	300	< 280	280	750	370	< 350	350
Benzzidine			< 5300	5,300	-	-	< 1900	1,900	< 870	870	-	-	< 1100	1,100	< 1000	1,000
Benzo(a)pyrene	1,000	1,000	2,300	1,800	2,200	340	2,300	660	470	300	< 280	280	710	370	< 350	350
Benzo(b)fluoranthene	1,000	5,600	2,800	1,800	3,400	340	2,900	660	560	300	< 280	280	820	370	190	350
Benzo(ghi)perylene	100,000	500,000	1,400	1,800	760	340	1,200	660	270	300	< 280	280	470	370	< 350	350
Benzo(k)fluoranthene	800	56,000	1,200	1,800	1,000	340	910	660	210	300	< 280	280	320	370	< 350	350
Benzoic acid			< 13000	13,000	-	-	< 4700	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
Benzyl butyl phthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Bis(2-chloroethoxy)methane			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Bis(2-chloroethyl)ether			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Bis(2-chloroisopropyl)ether			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Bis(2-ethylhexyl)phthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Carbazole			< 13000	13,000	-	-	900	4,700	< 2200	2,200	-	-	< 2600	2,600	< 2500	2,500
Chrysene	1,000	56,000	2,800	1,800	2,600	340	2,500	660	460	300	< 280	280	760	370	180	350
Dibenz(a,h)anthracene	330	560	< 1800	1,800	< 340	340	< 660	660	< 300	300	< 280	280	< 330	330	< 330	330
Dibenzofuran	7,000		< 1800	1,800	-	-	570	660	< 300	300	-	-	< 370	370	< 350	350
Diethyl phthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Dimethylphthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Di-n-butylphthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Di-n-octylphthalate			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Fluoranthene	100,000	500,000	5,900	1,800	6,100	340	6,700	660	790	300	< 280	280	2,000	370	370	350
Fluorene	30,000	500,000	< 1800	1,800	590	340	770	660	< 300	300	< 280	280	200	370	< 350	350
Hexachlorobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Hexachlorobutadiene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Hexachlorocyclopentadiene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Hexachloroethane			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Indeno(1,2,3-cd)pyrene	500	5,600	1,200	1,800	680	340	990	660	230	300	< 280	280	370	370	< 350	350
Isophorone			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Naphthalene	12,000	500,000	< 1800	1,800	520	340	850	660	160	300	< 280	280	< 370	370	490	350
Nitrobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
N-Nitrosodimethylamine			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
N-Nitrosodi-n-propylamine			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
N-Nitrosodiphenylamine			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Pentachloronitrobenzene			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Pentachlorophenol	800	6,700	< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350
Phenanthrene	100,000	500,000	1,600	1,800	4,900	340	6,400	660	320	300	< 280	280	2,000	370	360	350
Phenol	330	500,000	< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 330	330	< 330	330
Pyrene	100,000	500,000	5,200	1,800	5,700	340	5,900	660	740	300	< 280	280	1,900	370	360	350
Pyridine			< 1800	1,800	-	-	< 660	660	< 300	300	-	-	< 370	370	< 350	350

Notes:

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

RL - Reporting Limit

Boldhighlighted: Indicated exceedance of the NYSDEC UUSCO Guidance Value

Boldhighlighted: Indicated exceedance of the NYSDEC RSCSO Guidance Value

TABLE 5
262 Green St
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

	COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Commercial Soil Cleanup Objectives*	B1				B3		B4		B5				B6		B7				B8			
				(0-2') µg/Kg		(13-15') µg/Kg		(0-2') µg/Kg		(13-15') µg/Kg		(0-2') µg/Kg		(13-15') µg/Kg		(3-5') µg/Kg		(0-2') µg/Kg		(13-15') µg/Kg		(0-2') µg/Kg		(13-15') µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4'-DDD	3.3	92,000	<15	15	<3.3	3.3	-	-	<3.4	3.4	<2.6	2.6	<3.1	3.1	-	-	<2.8	2.8	<3.3	3.3	<29	29	<3.7	3.7
	4,4'-DDE	3.3	62,000	<15	15	<3.3	3.3	-	-	<3.4	3.4	<2.6	2.6	<3.1	3.1	-	-	<2.8	2.8	<3.3	3.3	<29	29	<3.7	3.7
	4,4'-DDT	3.3	47,000	<15	15	<3.8	3.8	-	-	<3.3	3.3	<2.6	2.6	<3.1	3.1	-	-	<5.5	5.5	<3.3	3.3	<29	29	<3.7	3.7
	a-BHC	20	3,400	<10	10	<2.6	2.6	-	-	<2.3	2.3	<1.8	1.8	<2.2	2.2	-	-	<1.9	1.9	<2.6	2.6	<20	20	<2.5	2.5
	a-Chlordane	94	24,000	<21	21	<5.3	5.3	-	-	<4.7	4.7	<3.6	3.6	<4.3	4.3	-	-	<3.9	3.9	<5.2	5.2	<40	40	<5.1	5.1
	Aldrin	5	680	<10	10	<2.6	2.6	-	-	<2.3	2.3	<1.8	1.8	<2.2	2.2	-	-	<2.5	2.5	<2.6	2.6	<20	20	<2.5	2.5
	b-BHC	36	3,000	<10	10	<2.6	2.6	-	-	<2.3	2.3	<1.8	1.8	<2.2	2.2	-	-	<36	36	<6.0	6	<20	20	<2.5	2.5
	d-BHC	40	500,000	<10	10	<9.0	9	-	-	<20	20	<35	35	<4.5	4.5	-	-	<5.0	5	<25	25	<25	25	<12	12
	Dieldrin	5	1,400	<10	10	<2.6	2.6	-	-	<2.3	2.3	<1.8	1.8	<2.2	2.2	-	-	<1.9	1.9	<2.6	2.6	<20	20	<2.5	2.5
	Endosulfan I	2,400	200,000	<21	21	<5.3	5.3	-	-	<4.7	4.7	<3.6	3.6	<4.3	4.3	-	-	<3.9	3.9	<5.2	5.2	<40	40	<5.1	5.1
	Endosulfan II	2,400	200,000	<21	21	<5.3	5.3	-	-	<4.7	4.7	<3.6	3.6	<4.3	4.3	-	-	<3.9	3.9	<5.2	5.2	<40	40	<5.1	5.1
	Endosulfan sulfate	2,400	200,000	<21	21	<5.3	5.3	-	-	<4.7	4.7	<3.6	3.6	<4.3	4.3	-	-	<3.9	3.9	<5.2	5.2	<40	40	<5.1	5.1
	Endrin	14	89,000	<10	10	<2.6	2.6	-	-	<2.3	2.3	<14	14	<2.2	2.2	-	-	<6.0	6	<2.6	2.6	<30	30	<2.5	2.5
	Endrin aldehyde			<21	21	<5.3	5.3	-	-	<4.7	4.7	<3.6	3.6	<4.3	4.3	-	-	<6.0	6	<5.2	5.2	<40	40	<5.1	5.1
	Endrin ketone			<10	10	<2.6	2.6	-	-	<8.5	8.5	<1.8	1.8	<2.5	2.5	-	-	<1.9	1.9	<4.5	4.5	<20	20	<2.5	2.5
	g-BHC		9,200	<10	10	<9.0	9	-	-	20	2.3	<1.8	1.8	<2.2	2.2	-	-	81	1.9	<20	20	<20	20	<9.0	9
	g-Chlordane			<21	21	<5.3	5.3	-	-	<8.0	8	<3.6	3.6	<4.3	4.3	-	-	<3.9	3.9	<5.2	5.2	<40	40	<5.1	5.1
	Heptachlor	42	15,000	<10	10	<2.6	2.6	-	-	<6.0	6	<2.5	2.5	<2.2	2.2	-	-	<7.0	7	<4.0	4	91	20	<2.5	2.5
	Heptachlor epoxide			<10	10	<2.6	2.6	-	-	<2.3	2.3	<1.8	1.8	<2.2	2.2	-	-	<3.0	3	<2.6	2.6	<20	20	<2.5	2.5
	Methoxychlor			<41	41	<11	11	-	-	<9.3	9.3	<7.3	7.3	<8.7	8.7	-	-	<7.8	7.8	<10	10	<80	80	<10	10
	Toxaphene			<1000	1,000	<260	260	-	-	<230	230	<180	180	<220	220	-	-	<190	190	<260	260	<2000	2,000	<250	250
PCBs	PCB-1016	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1221	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1232	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1242	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1248	100	1,000	730	41	<53	53	800	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1254	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1260	100	1,000	<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1262	100		<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51
	PCB-1268	100		<41	41	<53	53	<78	78	<47	47	<36	36	<43	43	<80	80	<39	39	<52	52	<40	40	<51	51

Notes:

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

RL - Reporting Limit

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

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

TABLE 6
262 Green St
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Commercial Soil Cleanup Objectives*	B1				B3		B4		B5				B6		B7				B8			
			(0-2') mg/Kg		(13-15') mg/Kg		(0-2') mg/Kg		(13-15') mg/Kg		(0-2') mg/Kg		(13-15') mg/Kg		(3-5') mg/Kg		(0-2') mg/Kg		(13-15') mg/Kg		(0-2') mg/Kg		(13-15') mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,530	44	7,380	55	-	-	5,570	45	2,330	36	11,800	41	-	-	4,680	38	7,650	52	5,000	40	5,230	46
Antimony			< 2.2	2.2	< 2.8	2.8	-	-	< 2.2	2.2	37.3	1.8	< 2.0	2	-	-	34.4	1.9	< 2.6	2.6	< 2.0	2	< 2.3	2.3
Arsenic	13	16	20.3	0.9	16.3	1.1	-	-	7.8	0.9	28.3	0.7	2.5	0.8	-	-	23.6	0.8	19.5	1	11.4	0.8	19.7	0.9
Barium	350	400	423	0.9	328	1.1	-	-	142	0.9	156	0.7	76.7	0.8	-	-	786	0.8	326	1	250	0.8	169	0.9
Beryllium	7.2	590	1.62	0.35	0.64	0.44	-	-	0.37	0.36	0.15	0.29	0.43	0.32	-	-	0.43	0.3	0.6	0.41	0.3	0.32	0.41	0.37
Cadmium	2.5	9.3	1.08	0.44	0.53	0.55	-	-	0.55	0.45	2.43	0.36	< 0.41	0.41	-	-	2.95	0.38	0.24	0.52	0.35	0.4	0.22	0.46
Calcium			38,500	44	17,000	55	-	-	10,300	45	79,100	36	2,480	41	-	-	6,710	38	6,310	52	31,900	40	5,460	46
Chromium	30		60.9	0.44	17.5	0.55	-	-	16.1	0.45	22.8	0.36	19.3	0.41	-	-	67.5	0.38	14.7	0.52	20.9	0.4	10.5	0.46
Cobalt			60.3	0.44	8.32	0.55	-	-	8.23	0.45	15.6	0.36	7.1	0.41	-	-	12	0.38	8.4	0.52	5.3	0.4	6.28	0.46
Copper	50	270	332	4.4	63.5	0.55	-	-	116	0.45	553	3.6	23.8	0.41	-	-	845	3.8	42.6	0.52	171	4	47.5	0.46
Iron			37,000	44	11,800	55	-	-	34,600	45	133,000	360	12,700	41	-	-	49,300	38	11,600	52	17,600	40	12,800	46
Lead	63	1,000	683	8.8	848	11	492	4.1	1,400	8.9	1,160	7.2	38.6	0.8	4,120	39	1,830	75	300	10	1,690	80	607	9.3
Magnesium			6,310	4.4	1,210	5.5	-	-	1,980	4.5	625	3.6	2,600	4.1	-	-	1,280	3.8	1,100	5.2	2,130	4	764	4.6
Manganese	1,600	10,000	335	4.4	256	5.5	-	-	261	4.5	684	3.6	105	4.1	-	-	719	3.8	126	5.2	115	4	121	4.6
Mercury	0.18	2.8	0.67	0.08	3.85	0.12	-	-	3.85	0.09	1.17	0.09	0.16	0.08	-	-	2.84	0.08	2.48	0.11	0.24	0.08	1.4	0.11
Nickel	30	310	38.4	0.44	18.1	0.55	-	-	13.4	0.45	22.6	0.36	17.8	0.41	-	-	26	0.38	16.7	0.52	11.1	0.4	12.5	0.46
Potassium			1,250	9	1,350	11	-	-	973	9	454	7	1,020	8	-	-	1,090	8	988	10	1,890	8	611	9
Selenium	3.9	1,500	< 1.8	1.8	< 2.2	2.2	-	-	< 1.8	1.8	< 1.4	1.4	< 1.6	1.6	-	-	< 1.5	1.5	< 2.1	2.1	< 1.6	1.6	< 1.9	1.9
Silver	2	1,500	< 0.44	0.44	< 0.55	0.55	-	-	< 0.45	0.45	1.1	0.36	< 0.41	0.41	-	-	0.59	0.38	< 0.52	0.52	< 0.40	0.4	< 0.46	0.46
Sodium			591	9	869	11	-	-	297	9	159	7	122	8	-	-	341	8	888	10	415	8	605	9
Thallium			< 1.8	1.8	< 2.2	2.2	-	-	< 1.8	1.8	< 1.4	1.4	< 1.6	1.6	-	-	< 1.5	1.5	< 2.1	2.1	< 1.6	1.6	< 1.9	1.9
Vanadium			18.6	0.4	32.1	0.6	-	-	19.2	0.4	14.6	0.4	21	0.4	-	-	21.9	0.4	26.3	0.5	14.9	0.4	20.2	0.5
Zinc	109	10,000	1,920	88	285	11	-	-	284	8.9	345	7.2	88.2	0.8	-	-	1,250	7.5	263	10	208	8	152	0.9

Notes:

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

RL- Reporting Limit

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

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

COMPOUND	40 CFR 261.24	B3		B6	
		(0-2') mg/Kg		(3-5') mg/Kg	
		Result	RL	Result	RL
TCLP Lead	5	< 0.10	0.1	9.79	0.1

Bold/highlighted- Indicated exceedance of the NYSDEC 40 CFR 261.24 Guidance Value

Table 7
262 Green St
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	B1		B3		B4		B5		B6		B7		B8		MW1		MW2		MW3		MW4		MW5		MW6		
		8/7/2014		7/15/2014		8/7/2014		8/7/2014		7/15/2014		8/7/2014		8/7/2014		8/1/2017		8/1/2017		8/1/2017		8/1/2017		8/1/2017		8/1/2017		
		µg/L	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,1,1-Trichloroethane	5	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
1,1,2,2-Tetrachloroethane	5	<1.0	1	<0.50	0.5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,1,2-Trichloroethane	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,1-Dichloroethane	5	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
1,1-Dichlorobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,2-Dichloropropene	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,3-Trichlorobenzene	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,3-Trichloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	
1,2,4-Trichlorobenzene	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,2,4-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,2-Dibromo-3-chloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	<0.50	0.50	
1,2-Dibromomethane	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25	<0.25	0.25
1,3-Dichlorobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,3-Dichloroethane	0.6	<0.60	0.6	<0.60	0.6	<0.60	0.6	<0.60	0.6	<1.2	1.2	<0.60	0.6	<0.60	0.6	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60	<0.60	0.60	
1,3-Dichloropropane	0.04	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,3,5-Trimethylbenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,3-Dichlorobenzene	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
1,3-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
1,4-Dichlorobenzene	5	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
2,2-Dichloropropane	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
2-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
2-Hexanone (Methyl Butyl Ketone)	<1.0	1	<5.0	5	<1.0	1	<1.0	1	<1.0	1	<10	10	<1.0	1	<1.0	1	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5
2-Isopropyltoluene	5	<1.0	1	15	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	0.52	1.0	6	1.0	8.1	1.0	<1.0	1.0	<1.0	1.0	
4-Chlorotoluene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
4-Methyl-2-Pentanone	<1.0	1	<5.0	5	<1.0	1	<1.0	1	<1.0	1	<10	10	<1.0	1	<1.0	1	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5	<2.5	2.5
Acetone	4.1	5	<25	25	10	5	7.9	5	<50	50	11	5	8.3	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Acrolein	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<10	10	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Acrylonitrile	5	<5.0	5	<0.70	0.7	<5.0	5	<5.0	5	<1.4	1.4	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
Benzene	1	0.51	0.7	<1.0	1	0.59	0.7	<0.70	0.7	<2.0	2	<0.70	0.7	<0.70	0.7	<0.70	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70	<0.70	0.70	
Bromobenzene	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
Bromochloromethane	5	<1.0	1	<0.50	0.5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
Bromodichloromethane	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0
Bromofom	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0
Bromomethane	5	<5.0	5	<5.0	5	<5.0	5	<5.0	5	<10	10	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
Carbon Disulfide	60	1.3	1	<1.0	1	<1.0	1	0.71	1	<2.0	2	0.25	1	0.65	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
Carbon tetrachloride	5	<1.0	1	<1.0	1	<1.0	1	<1.0	1	<2.0	2	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	
Chlorobenzene	5	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
Chloroethane	5	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
Chloroform	7	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
Chloromethane	60	<5.0	5	<1.0	1	<5.0	5	<5.0	5	<2.0	2	<5.0	5	<5.0	5	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	5.0	
cis-1,2-Dichloroethane	5	<1.0	1	<0.40	0.4	<1.0	1	<1.0	1	<0.80	0.8	<1.0	1	<1.0	1	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0	1.0	<1.0		

TABLE 8
262 Green St
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 8/1/2017 µg/L		MW2 8/1/2017 µg/L		MW3 8/1/2017 µg/L		MW4 8/1/2017 µg/L		MW5 8/1/2017 µg/L		MW6 8/1/2017 µg/L	
		Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,2,4-Trichlorobenzene		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,2-Dichlorobenzene		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
1,2-Diphenylhydrazine		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
1,3-Dichlorobenzene	3	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
1,4-Dichlorobenzene		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4,5-Trichlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4,6-Trichlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4-Dichlorophenol		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4-Dimethylphenol		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4-Dinitrophenol	5	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2,4-Dinitrotoluene	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2,6-Dinitrotoluene	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Chloronaphthalene	10	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Chlorophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2-Methylnaphthalene		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Methylphenol (o-cresol)	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
2-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
2-Nitrophenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
3&4-Methylphenol (m&p-cresol)		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
3,3'-Dichlorobenzidine	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
3-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4,6-Dinitro-2-methylphenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
4-Bromophenyl phenyl ether		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Chloro-3-methylphenol	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
4-Chloroaniline	5	< 3.4	3.4	< 3.4	3.4	< 3.4	3.4	< 3.3	3.3	< 3.3	3.3	< 3.3	3.3
4-Chlorophenyl phenyl ether		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Nitroaniline	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
4-Nitrophenol		< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Acetophenone		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Aniline	5	< 3.4	3.4	< 3.4	3.4	< 3.4	3.4	< 3.3	3.3	< 3.3	3.3	< 3.3	3.3
Anthracene	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Benzidine	5	< 4.4	4.4	< 4.4	4.4	< 4.3	4.3	< 4.2	4.2	< 4.2	4.2	< 4.2	4.2
Benzoic acid		< 25	25	< 24	24	< 24	24	< 23	23	< 23	23	< 23	23
Benzyl butyl phthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethoxy)methane	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Bis(2-chloroethyl)ether	1	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Bis(2-chloroisopropyl)ether		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Carbazole		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dibenzofuran		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Diethyl phthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Dimethylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-butylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Di-n-octylphthalate	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Fluoranthene	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	2.1	4.7	< 4.7	4.7	< 4.7	4.7
Fluorene	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Hexachlorobutadiene	0.5	< 0.39	0.39	< 0.39	0.39	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38	< 0.38	0.38
Hexachlorocyclopentadiene	5	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Isophorone	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Naphthalene	10	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Nitrobenzene	0.4	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.09	0.09	< 0.09	0.09	< 0.09	0.09
N-Nitrosodimethylamine		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.09	0.09	< 0.09	0.09	< 0.09	0.09
N-Nitrosodi-n-propylamine		< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
N-Nitrosodiphenylamine	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	< 4.7	4.7	< 4.7	4.7	< 4.7	4.7
Phenol	50	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Pyrene	50	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	1.9	4.7	< 4.7	4.7	< 4.7	4.7
1,2,4,5-Tetrachlorobenzene		< 0.49	0.49	< 0.49	0.49	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Acenaphthene	20	< 4.9	4.9	< 4.9	4.9	< 4.8	4.8	1.6	4.7	< 4.7	4.7	< 4.7	4.7
Acenaphthylene		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.09	0.09	< 0.09	0.09	< 0.09	0.09
Benz(a)anthracene	0.002	0.07	0.02	0.06	0.02	0.1	0.02	0.91	0.02	0.08	0.02	0.05	0.02
Benzo(a)pyrene		0.04	0.02	0.05	0.02	0.06	0.02	0.97	0.02	0.07	0.02	0.05	0.02
Benzo(b)fluoranthene	0.002	0.04	0.02	0.05	0.02	0.06	0.02	0.73	0.02	0.06	0.02	0.05	0.02
Benzo(ghi)perylene		0.02	0.02	0.03	0.02	0.04	0.02	0.65	0.02	0.05	0.02	0.03	0.02
Benzo(k)fluoranthene	0.002	0.04	0.02	0.04	0.02	0.06	0.02	0.74	0.02	0.06	0.02	0.05	0.02
Bis(2-ethylhexyl)phthalate	5	< 0.98	0.98	< 0.98	0.98	< 0.96	0.96	< 0.94	0.94	< 0.94	0.94	< 0.94	0.94
Chrysene	0.002	0.07	0.02	0.06	0.02	0.1	0.02	0.93	0.02	0.08	0.02	0.06	0.02
Dibenz(a,h)anthracene		< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	0.17	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachloroethane	5	< 0.49	0.49	< 0.49	0.49	< 0.48	0.48	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47
Indeno(1,2,3-cd)pyrene	0.002	0.02	0.02	0.03	0.02	0.04	0.02	0.63	0.02	0.04	0.02	0.03	0.02
Pentachloronitrobenzene		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.09	0.09	< 0.09	0.09	< 0.09	0.09
Pentachlorophenol	1	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.09	0.09	< 0.09	0.09	< 0.09	0.09
Phenanthrene	50	< 0.10	0.10	0.25	0.10	0.37	0.10	2.10	0.09	0.15	0.09	< 0.09	0.09
Pyridine	50	< 9.8	9.8	< 9.8	9.8	< 9.6	9.6	< 9.4	9.4	< 9.4	9.4	< 9.4	9.4

Notes:

RL- Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 9
262 Green St
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards µg/L	MW1 8/1/2017 µg/L		MW2 8/1/2017 µg/L		MW3 8/1/2017 µg/L		MW4 8/1/2017 µg/L		MW5 8/1/2017 µg/L		MW6 8/1/2017 µg/L	
			Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
PCBs	PCB-1016	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1221	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1232	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1242	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1248	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1254	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1260	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1262	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
	PCB-1268	0.09	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047
Pesticides	4,4-DDD	0.3	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.023	0.023	< 0.024	0.024	< 0.005	0.005
	4,4-DDE	0.2	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.023	0.023	< 0.024	0.024	< 0.005	0.005
	4,4-DDT	0.11	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.023	0.023	< 0.024	0.024	< 0.005	0.005
	a-BHC	0.94	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.023	0.023	< 0.024	0.024	< 0.005	0.005
	a-Chlordane		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	Alachlor		< 0.071	0.071	< 0.024	0.024	< 0.024	0.024	< 0.047	0.047	< 0.024	0.024	< 0.071	0.071
	Aldrin		< 0.001	0.001	< 0.024	0.024	< 0.024	0.024	< 0.014	0.014	< 0.024	0.024	< 0.001	0.001
	b-BHC	0.04	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.023	0.023	< 0.024	0.024	< 0.005	0.005
	Chlordane	0.05	< 0.047	0.047	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.47	0.47	< 0.047	0.047
	d-BHC	0.04	< 0.005	0.005	< 0.024	0.024	< 0.024	0.024	< 0.047	0.047	< 0.024	0.024	< 0.005	0.005
	Dieldrin	0.004	< 0.001	0.001	< 0.024	0.024	< 0.024	0.024	< 0.014	0.014	< 0.024	0.024	< 0.001	0.001
	Endosulfan I		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.047	0.047	< 0.095	0.095	< 0.009	0.009
	Endosulfan II		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	Endosulfan Sulfate		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	Endrin		< 0.010	0.010	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.009	0.009
	Endrin aldehyde	5	< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	Endrin ketone		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	gamma-BHC	0.05	< 0.010	0.010	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.005	0.005
	g-Chlordane		< 0.010	0.010	< 0.095	0.095	< 0.094	0.094	< 0.094	0.094	< 0.095	0.095	< 0.009	0.009
	Heptachlor	0.04	< 0.010	0.010	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.009	0.009
	Heptachlor epoxide	0.03	< 0.010	0.010	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.047	0.047	< 0.009	0.009
	Methoxychlor	35	< 0.095	0.095	< 0.95	0.95	< 0.94	0.94	< 0.94	0.94	< 0.95	0.95	< 0.094	0.094
	Toxaphene		< 0.19	0.19	< 1.9	1.9	< 1.9	1.9	< 1.9	1.9	< 1.9	1.9	< 0.19	0.19

Notes:

RL- Reporting limit

ND - Non-detect

ND* - Due to matrix interference from non target compounds in the sample

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
262 Green St
Brooklyn, New York
Groundwater Analytical Results
Total Metals

Compound	NYSDEC Groundwater mg/L	MW1 8/1/2017 mg/L		MW2 8/1/2017 mg/L		MW3 8/1/2017 mg/L		MW4 8/1/2017 mg/L		MW5 8/1/2017 mg/L		MW6 8/1/2017 mg/L	
		Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	0.1	0.124	0.010	2.17	0.010	2.73	0.010	1.69	0.010	1.05	0.010	2.5	0.010
Antimony	0.003	0.003	0.002	< 0.002	0.002	< 0.002	0.002	0.004	0.002	< 0.002	0.002	< 0.002	0.002
Arsenic	0.025	0.004	0.004	0.004	0.004	0.007	0.004	0.007	0.004	0.004	0.004	0.004	0.004
Barium	1	0.314	0.010	0.328	0.010	0.333	0.010	0.404	0.010	0.471	0.010	0.473	0.010
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 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	< 0.004	0.004	0.001	0.004
Calcium		125	0.010	311	0.10	167	0.10	252	0.10	286	1.0	192	0.10
Chromium	0.05	0.002	0.001	0.016	0.001	0.012	0.001	0.011	0.001	0.014	0.001	0.009	0.001
Cobalt		< 0.005	0.005	0.001	0.005	0.002	0.005	0.002	0.005	< 0.005	0.005	0.002	0.005
Copper	0.2	0.002	0.005	0.011	0.005	0.025	0.005	0.03	0.005	0.009	0.005	0.027	0.005
Iron	0.3	4.72	0.01	2.32	0.01	10.6	0.01	13.3	0.01	2.39	0.01	25.3	0.01
Lead	0.025	0.005	0.002	0.053	0.002	0.114	0.002	0.127	0.002	0.05	0.002	0.072	0.002
Magnesium	35	21.4	0.010	62.5	0.010	23.9	0.010	45	0.010	51.5	0.010	23.1	0.010
Manganese	0.3	0.66	0.005	1.52	0.005	0.657	0.005	0.888	0.005	1.4	0.005	1.47	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.007	0.004	0.049	0.004	0.017	0.004	0.03	0.004	0.056	0.004	0.01	0.004
Potassium		26.7	0.1	45.8	0.1	30.5	0.1	65.5	1.0	46.6	1.0	22.5	0.1
Selenium	0.01	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	177	1.0	195	1.0	80.4	1.0	216	1.0	351	1.0	167	1.0
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium		0.001	0.010	0.02	0.010	0.018	0.010	0.015	0.010	0.043	0.010	0.007	0.010
Zinc	5	0.025	0.010	0.051	0.010	0.278	0.010	0.124	0.010	0.063	0.010	0.095	0.010

Notes:

RL- Reporting limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 11
262 Green St
Brooklyn, New York
Groundwater Analytical Results
Dissolved Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1 8/1/2017 mg/L		MW2 8/1/2017 mg/L		MW3 8/1/2017 mg/L		MW4 8/1/2017 mg/L		MW5 8/1/2017 mg/L		MW6 8/1/2017 mg/L	
		Results	RL	Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	NS	< 0.011	0.011	0.003	0.011	0.3	0.053	< 0.011	0.011	0.021	0.011	0.325	0.053
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.002	0.003	0.003	0.003
Barium	1	0.255	0.011	0.297	0.011	0.21	0.011	0.25	0.011	0.477	0.011	0.279	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	132	0.01	327	0.11	191	0.11	250	0.11	271	0.11	197	0.11
Chromium	0.05	0.001	0.001	0.013	0.001	0.004	0.001	0.006	0.001	0.013	0.001	< 0.001	0.001
Cobalt	NS	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Copper	0.2	< 0.005	0.005	0.002	0.005	0.001	0.005	0.001	0.005	< 0.005	0.005	< 0.005	0.005
Iron	0.5	0.3	0.01	1.77	0.01	0.55	0.01	1.04	0.01	0.61	0.01	0.41	0.01
Lead	0.025	< 0.002	0.002	0.032	0.002	0.003	0.002	0.003	0.002	0.004	0.002	< 0.002	0.002
Magnesium	35	21.9	0.01	65.1	0.01	24.7	0.01	43.8	0.01	54	0.01	23.4	0.01
Manganese	0.3	0.657	0.005	1.57	0.005	0.612	0.005	0.814	0.005	1.43	0.005	1.45	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.008	0.004	0.05	0.004	0.012	0.004	0.027	0.004	0.059	0.004	0.043	0.004
Potassium	NS	25.8	0.1	45.8	0.1	30	0.1	65.7	1.1	51.5	0.1	22.4	0.1
Selenium	0.01	< 0.004	0.004	< 0.004	0.004	< 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	< 0.005	0.005	< 0.005	0.005
Sodium	2	175	1.1	191	1.1	79.4	0.53	210	1.1	307	1.1	169	0.53
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	0.001	0.011	0.015	0.011	0.009	0.011	0.009	0.011	0.041	0.011	0.001	0.011
Zinc	2	0.01	0.011	0.024	0.011	0.009	0.011	0.035	0.011	0.009	0.011	0.005	0.011

Notes:

RL- Reporting limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 12
262 Green St
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m³) ^(b)	SG1 8/1/2017 (µg/m3)		SG2 8/1/2017 (µg/m3)		SG3 8/1/2017 (µg/m3)		SG4 8/1/2017 (µg/m3)		SG5 8/1/2017 (µg/m3)		SG6 8/1/2017 (µg/m3)	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trichlorobenzene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	9.04	1.00	< 30.0	30.0	< 30.0	30.0	5.06	1.00	9.53	1.00	11	1.00
1,2-Dibromoethane (EDB)		<1.5	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	2.67	1.00	< 30.0	30.0	< 30.0	30.0	2.42	1.00	2.29	1.00	2.73	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 30.1	30.1	< 30.1	30.1	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	51.3	1.00	< 30.0	30.0	30.5	30.0	12.9	1.00	40.7	1.00	49.4	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	1.77	1.00	1.99	1.00	1.9	1.00
4-Isopropyltoluene			2.32	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	1.57	1.00	2.38	1.00
4-Methyl-2-pentanone			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	2.35	1.00	< 1.00	1.00	4.83	1.00
Acetone		NA	575	9.99	726	29.9	1220	29.9	593	9.99	741	9.99	273	9.99
Acrylonitrile			< 1.00	1.00	< 29.9	29.9	< 29.9	29.9	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	25.8	1.00	< 30.0	30.0	30.4	30.0	6	1.00	6.99	1.00	21.2	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	22.8	1.00	67.5	30.0	44.8	30.0	8.84	1.00	1.87	1.00	87.8	1.00
Carbon Tetrachloride	5	<3.1	< 0.25	0.25	< 7.48	7.48	< 7.48	7.48	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
Chlorobenzene		<2.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 30.1	30.1	< 30.1	30.1	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	1.95	1.00	< 1.00	1.00
Chloromethane		<1.0 - 1.4	1.28	1.00	< 29.9	29.9	< 29.9	29.9	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	8.26	1.00	316	30.0	513	30.0	5.26	1.00	< 1.00	1.00	13.7	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane		NA	2.38	1.00	< 30.0	30.0	< 30.0	30.0	4.04	1.00	1.61	1.00	< 1.00	1.00
Ethanol			71.2	1.00	132	29.9	198	29.9	75.1	1.00	59.3	1.00	117	1.00
Ethyl Acetate		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	4.57	1.00	< 1.00	1.00
Ethylbenzene		<4.3	19.1	1.00	< 30.0	30.0	< 30.0	30.0	17.7	1.00	146	1.00	12.3	1.00
Heptane		NA	140	1.00	307	30.0	487	30.0	9.75	1.00	6.23	1.00	41.4	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	64.8	1.00	343	30.0	627	30.0	17.3	1.00	3.7	1.00	67.6	1.00
Isopropylalcohol		NA	118	1.00	88.2	30.0	102	30.0	6.73	1.00	96.5	1.00	96.3	1.00
Isopropylbenzene			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	1.41	1.00	2.66	1.00	1.59	1.00
Xylene (m&p)		<4.3	40.2	1.00	< 30.0	30.0	< 30.0	30.0	43	1.00	230	1.00	30.6	1.00
Methyl Ethyl Ketone			45.1	1.00	38	30.1	96.7	30.1	57.8	1.00	48.6	1.00	35.7	1.00
Methyl tert-butyl ether (MTBE)		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	1.85	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	2.63	1.00
n-Butylbenzene			4.47	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	23.2	1.00	4.05	1.00
Xylene (o)		<4.3	12.6	1.00	< 30.0	30.0	< 30.0	30.0	11.9	1.00	43.8	1.00	12.6	1.00
Propylene		NA	54.4	1.00	< 29.9	29.9	< 29.9	29.9	< 1.00	1.00	15.7	1.00	< 1.00	1.00
sec-Butylbenzene			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	1.4	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	1.59	1.00
Tetrachloroethene	30		5.18	0.25	11.8	7.52	< 7.52	7.52	3.48	0.25	5.23	0.25	63.5	0.25
Tetrahydrofuran		NA	1.46	1.00	< 30.1	30.1	< 30.1	30.1	1.78	1.00	1.67	1.00	3.83	1.00
Toluene		1.0 - 6.1	94.2	1.00	79.8	30.0	76.1	30.0	21.1	1.00	115	1.00	110	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	2	<1.7	40.2	0.25	10.2	7.52	< 7.52	7.52	5.64	0.25	0.71	0.25	6.23	0.25
Trichlorofluoromethane		NA	< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	3	1.00	< 1.00	1.00	< 1.00	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 30.0	30.0	< 30.0	30.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.25	0.25	< 7.51	7.51	< 7.51	7.51	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
BTEX			191.90		79.80		106.50		99.70		541.79		186.70	
CVOCs			45.38		22.00		0.00		9.12		5.94		69.73	
Total VOCs			1,373.03		1,736.00		2,912.50		895.85		1,572.55		956.88	

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
Parameters Detected Above Track (1) Soil Cleanup Objectives
Soil Borings B1-B8

COMPOUND	Range in Exceedances	Frequency of Detection	B1		B3			B4	B5		B6		B7		B8	
			(0-2')	(13-15')	(0-2')	(7-10')	(10-13')	(13-15')	(0-2')	(13-15')	(3-5')	(15-17')	(0-2')	(13-15')	(0-2')	(13-15')
			8/6/2014	8/6/2014	7/15/2014	7/15/2014	7/15/2014	8/15/2014	8/6/2014	8/6/2014	7/15/2014	7/15/2014	8/6/2017	8/6/2014	8/6/2014	8/6/2014
Sample Results in ug/kg																
Methylene chloride	100	2	-	100	-	-	-	-	-	-	-	-	-	-	-	100
tert-Butylbenzene	8,600	1	-	-	-	-	8,600	-	-	-	-	-	-	-	-	-
Sample Results in ug/kg																
Benzo(a)anthracene	2,600-3,100	3	-	3,100	-	2,600	-	2,700	-	-	-	-	-	-	-	-
Benzo(a)pyrene	2,200-2,300	3	-	2,300	-	2,200	-	2,300	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	2,800-3,400	3	-	2,800	-	3,400	-	2,900	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	910-1,200	3	-	1,200	-	1,000	-	910	-	-	-	-	-	-	-	-
Chrysene	2,500-2,800	3	-	2,800	-	2,600	-	2,500	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	680-1,200	3	-	1,200	-	680		990	-	-	-	-	-	-	-	-
Sample Results in ug/kg																
Heptachlor	91	1	-	-	-	-	-	-	-	-	-	-	-	-	91	-
PCB-1248	730-800	2	730	-	800	-	-	-	-	-	-	-	-	-	-	-
Sample Results in mg/kg																
Arsenic	16.3-28.3	6	20.3	16	-	-	-	-	28.3	-	-	-	23.6	20	-	20
Barium	423-786	2	423	-	-	-	-	-	-	-	-	-	786	-	-	-
Cadmium	2.95	1	-	-	-	-	-	-	-	-	-	-	2.95	-	-	-
Chromium	60.9-67.5	2	60.9	-	-	-	-	-	-	-	-	-	67.5	-	-	-
Copper	63.5-845	6	332.0	63.5	-	-	-	116	553	-	-	-	845	-	171	-
Lead	300-4,120	10	683	848	492	-	-	1,400	1,160	-	4,120	-	1,830	300q	1,600	607
Mercury	0.24-3.85	8	0.7	4	-	-	-	3.85	1.17	-	-	-	2.84	2.48	0.24	1.4
Nickel	38.4	1	38	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc	152-1,920	8	1,920	285	-	-	-	284	345	-	-	-	1,250	263	208	152

TABLE 14
Parameters Detected Above Ambient Water Quality Standards

VOCs

COMPOUND	Range in Detections	Number of Occurrences	B3 7/15/2014	B7 8/7/2014	MW2 8/1/2017	MW3 8/1/2017	MW4 8/1/2017
<i>Sample Results in (µg/L)</i>							
2-Isopropyltoluene	7.0-88	3	15	-	-	6	8.1
Naphthalene	18	1	-	18	-	-	-
sec-Butylbenzene	6	1	-	-	-	-	6.4
tert-Butylbenzene	7.7-13	3	-	-	8.8	7.7	13

SVOCs

COMPOUND	Range in Detections	Number of Occurrences	MW1 8/1/2017	MW2 8/1/2017	MW3 8/1/2017	MW4 8/1/2017	MW5 8/1/2017	MW6 8/1/2017
<i>Sample Results in (µg/L)</i>								
Benz(a)anthracene	0.05-0.91	6	0.07	0.06	0.1	0.91	0.08	0.05
Benzo(a)pyrene	0.04-0.97	6	0.04	0.05	0.06	0.97	0.07	0.05
Benzo(b)fluoranthene	0.04-0.73	6	0.04	0.05	0.06	0.73	0.06	0.05
Benzo(k)fluoranthene	0.04-0.75	6	0.04	0.04	0.06	0.74	0.06	0.05
Chrysene	0.06-0.93	6	0.07	0.06	0.1	0.93	0.08	0.06
Indeno(1,2,3-cd)pyrene	0.02-0.63	6	0.02	0.03	0.04	0.63	0.04	0.03

Metals (Total)

COMPOUND	Range in Detections	Number of Occurrences	MW1 8/1/2017	MW2 8/1/2017	MW3 8/1/2017	MW4 8/1/2017	MW5 8/1/2017	MW6 8/1/2017
<i>Sample Results in (mg/L)</i>								
Aluminum	0.124-2.73	6	0.124	2.17	2.73	1.69	1.05	2.5
Antimony	0.003-0.004	2	0.003	-	-	0.004	-	-
Iron	2.32-25.3	6	4.72	2.32	10.6	13.3	2.39	25.3
Lead	0.005-0.127	5	-	0.053	0.114	0.127	0.05	0.072
Magnesium	21.4-65.5	3	-	62.5	-	45	51.5	-
Manganese	0.657-1.52	6	0.66	1.52	0.657	0.888	1.4	1.47
Sodium	80.4-351	6	177	195	80.4	216	351	167

Metals (Dissolved)

COMPOUND	Range in Detections	Number of Occurrences	MW1 8/1/2017	MW2 8/1/2017	MW3 8/1/2017	MW4 8/1/2017	MW5 8/1/2017	MW6 8/1/2017
<i>Sample Results in (mg/L)</i>								
Aluminum	0.325	1	-	-	-	-	-	0.325
Iron	0.55-1.77	5	-	1.77	0.55	1.04	0.61	0.41
Lead	0.032	1	-	0.032	-	-	-	-
Magnesium	43.8-65.1	3	-	65.1	-	43.8	54	-
Manganese	0.612-1.57	6	0.657	1.57	0.612	0.814	1.43	1.45
Sodium	79.4-307	6	175	191	79.4	210	307	169

FIGURES

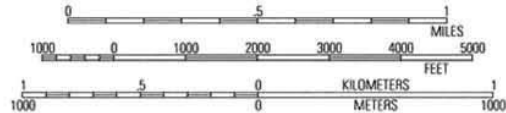


73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet

BC
ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

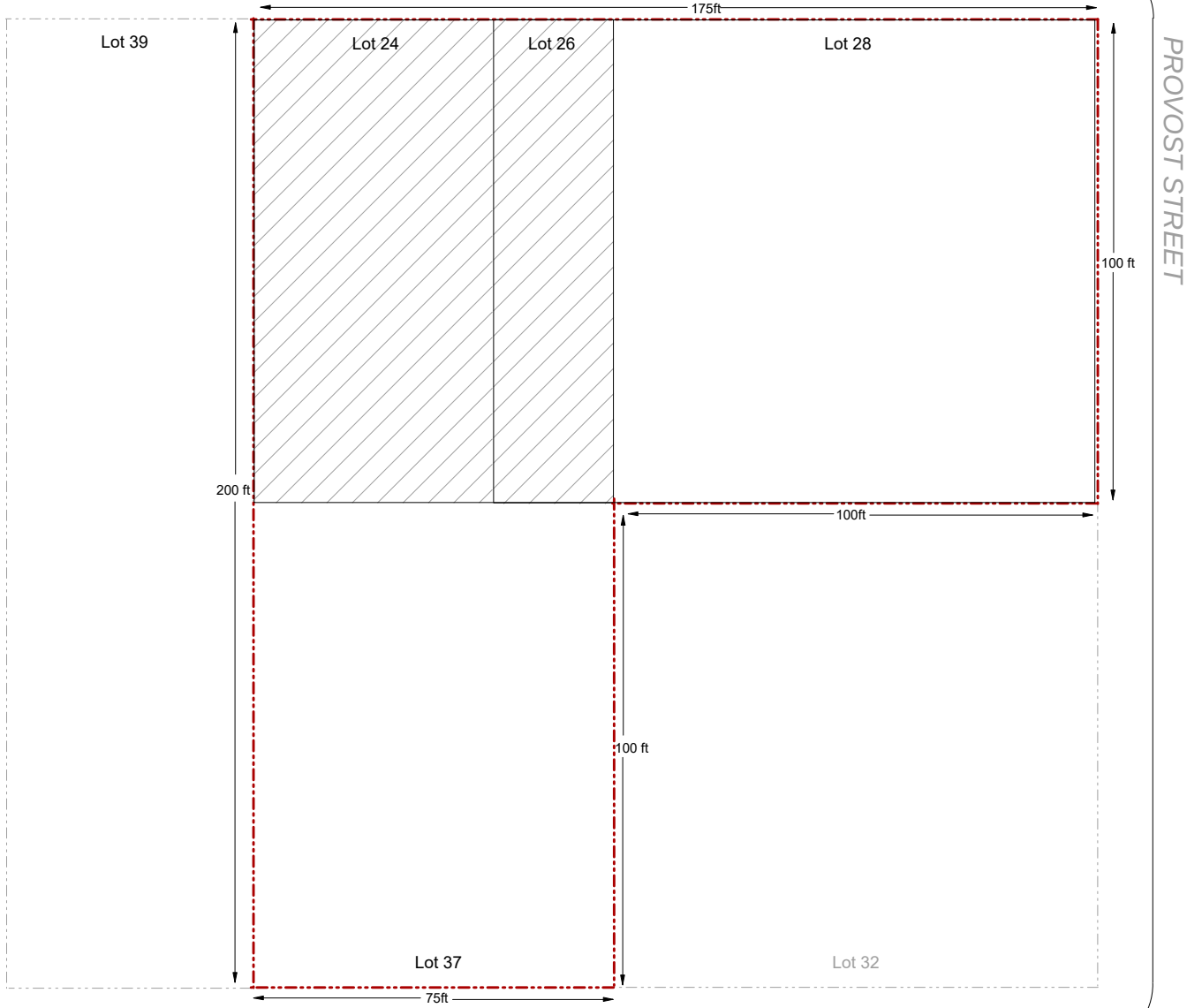
262 GREEN
260-276 GREEN STREET AND 263 HURON STREET, BROOKLYN, NY

FIGURE 1

SITE LOCATION MAP

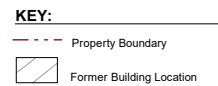
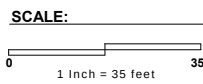
GREEN STREET

SIDEWALK



SIDEWALK

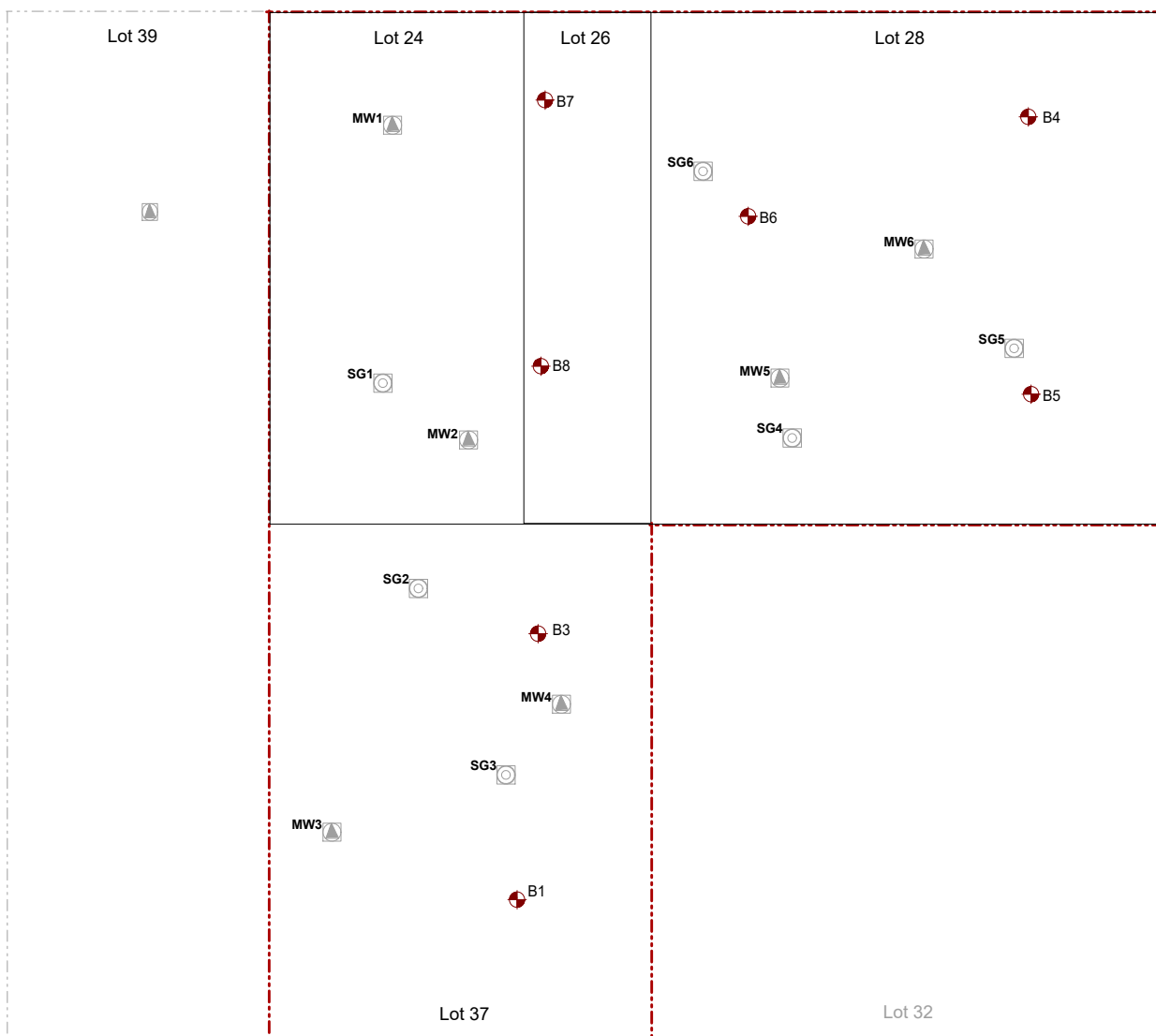
HURON STREET



GREEN STREET

SIDEWALK

PROVOST STREET



SIDEWALK

HURON STREET

SCALE:
0 35
1 Inch = 35 feet

KEY:
--- Property Boundary
Bx 2014 Soil Boring Location
SGx 2017 Soil Gas Location
MWx 2017 Monitoring Well Location



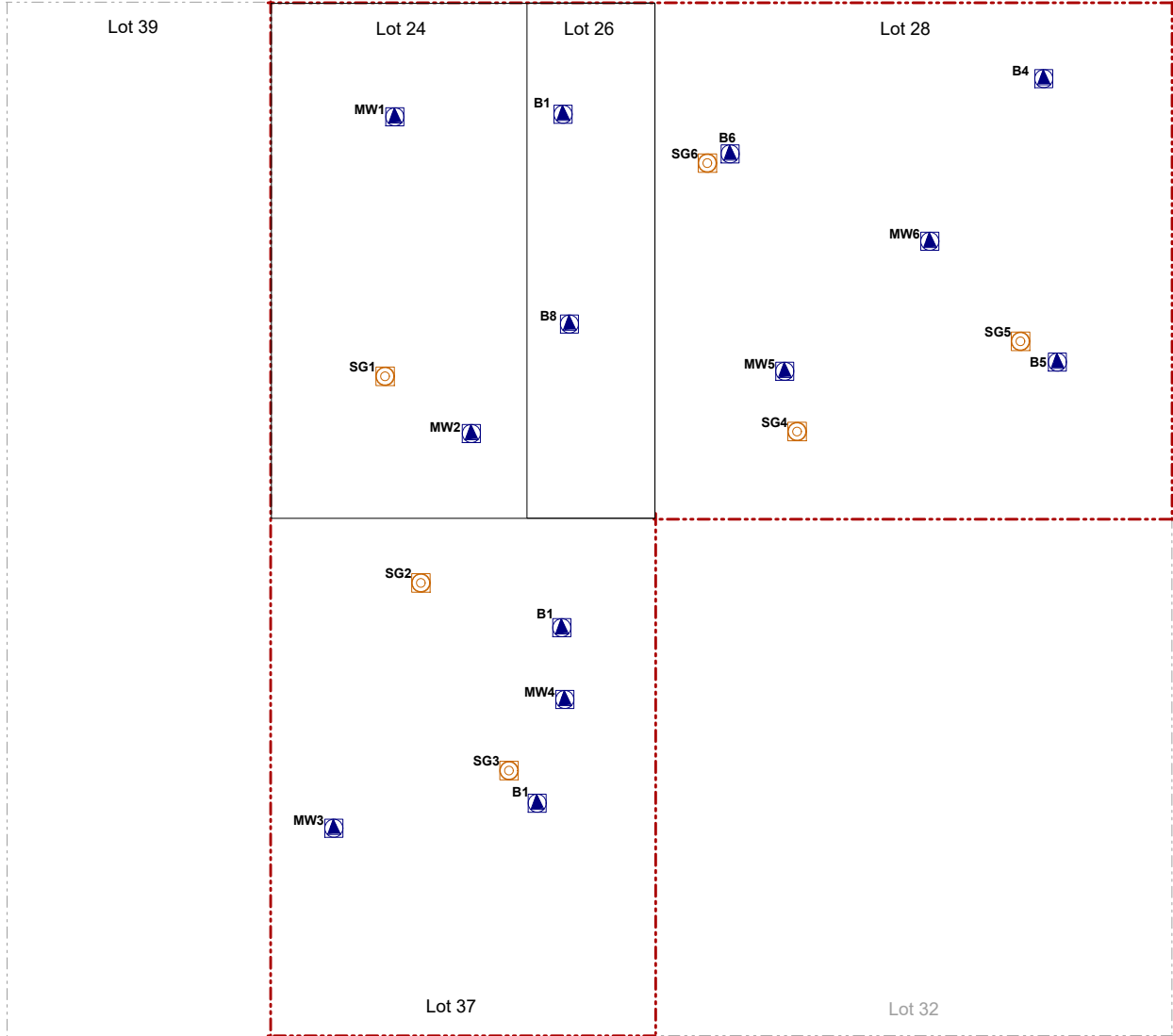
Phone 631.504.6000
Fax 631.924.2870

Figure No.
3

Site Name: 262 GREEN
Site Address: 262-276 GREEN STREET, & 263 HURON STREET, BROOKLYN, NY
Drawing Title: SOIL BORING LOCATIONS

GREEN STREET

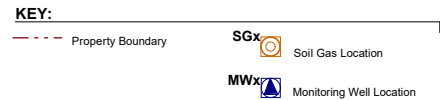
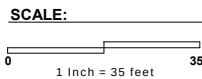
SIDEWALK



SIDEWALK

HURON STREET

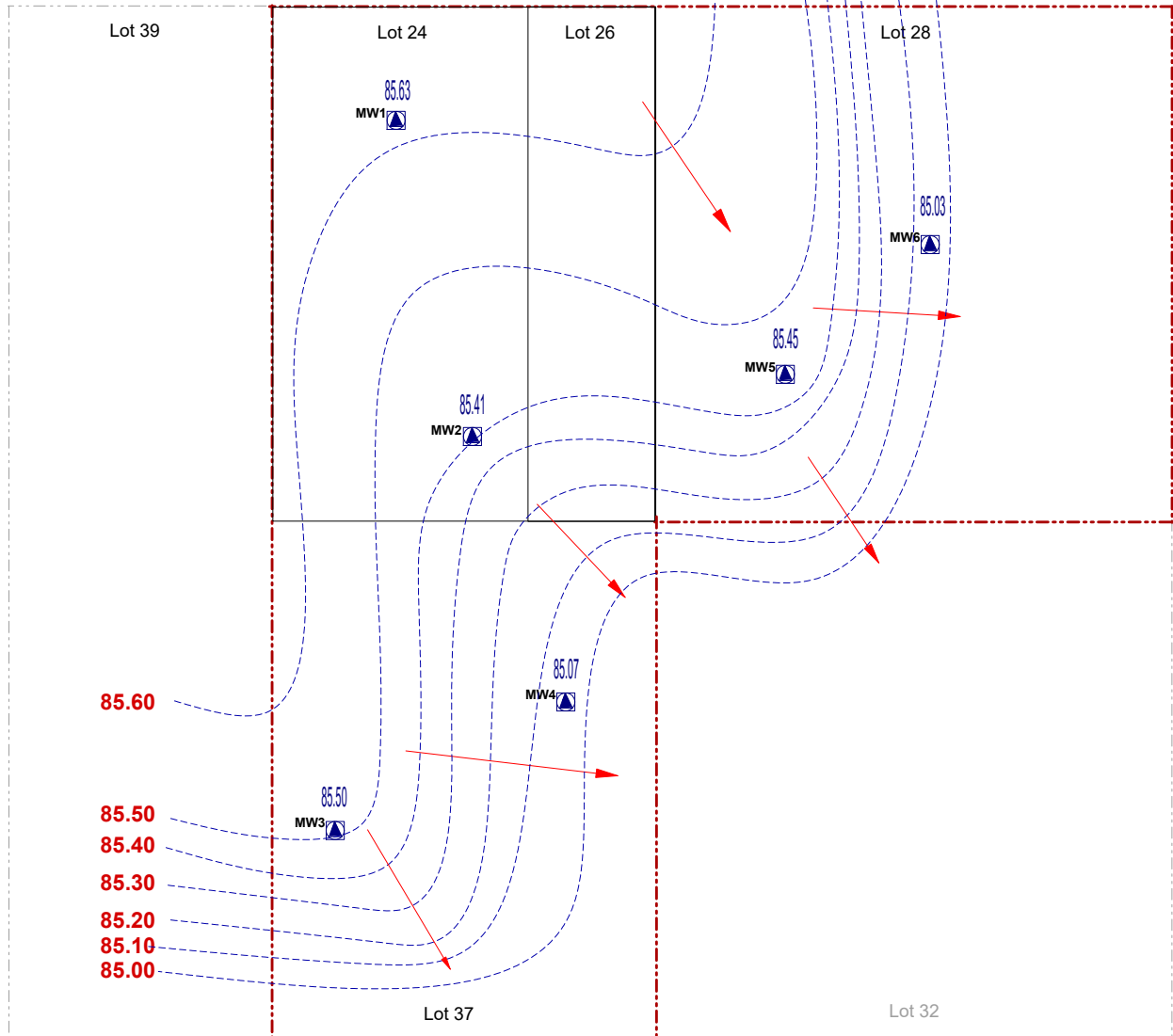
PROVOST STREET





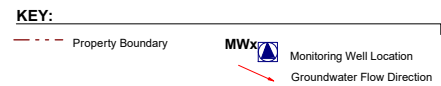
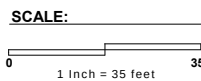
GREEN STREET

SIDEWALK



SIDEWALK

HURON STREET



Phone 631.504.6000
Fax 631.924.2870

Figure No.
5

Site Name: 262 GREEN
Site Address: 262-276 GREEN STREET, & 263 HURON STREET, BROOKLYN, NY
Drawing Title: GROUNDWATER ELEVATION MAP

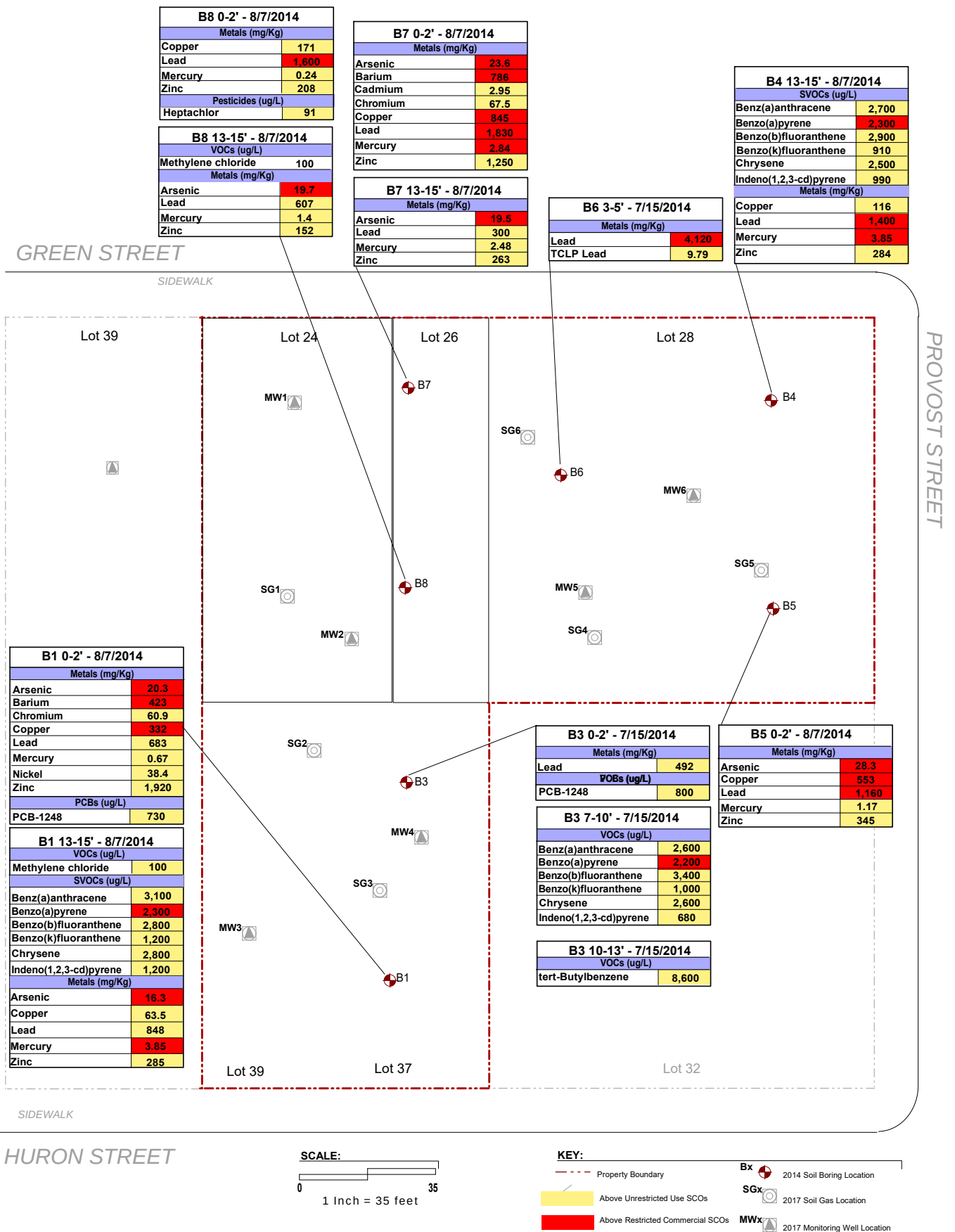


Figure No.
6

Site Name: **262 GREEN**
 Site Address: **262-276 GREEN STREET, & 263 HURON STREET, BROOKLYN, NY**
 Drawing Title: **POSTED SOIL RESULTS ABOVE SCOs**



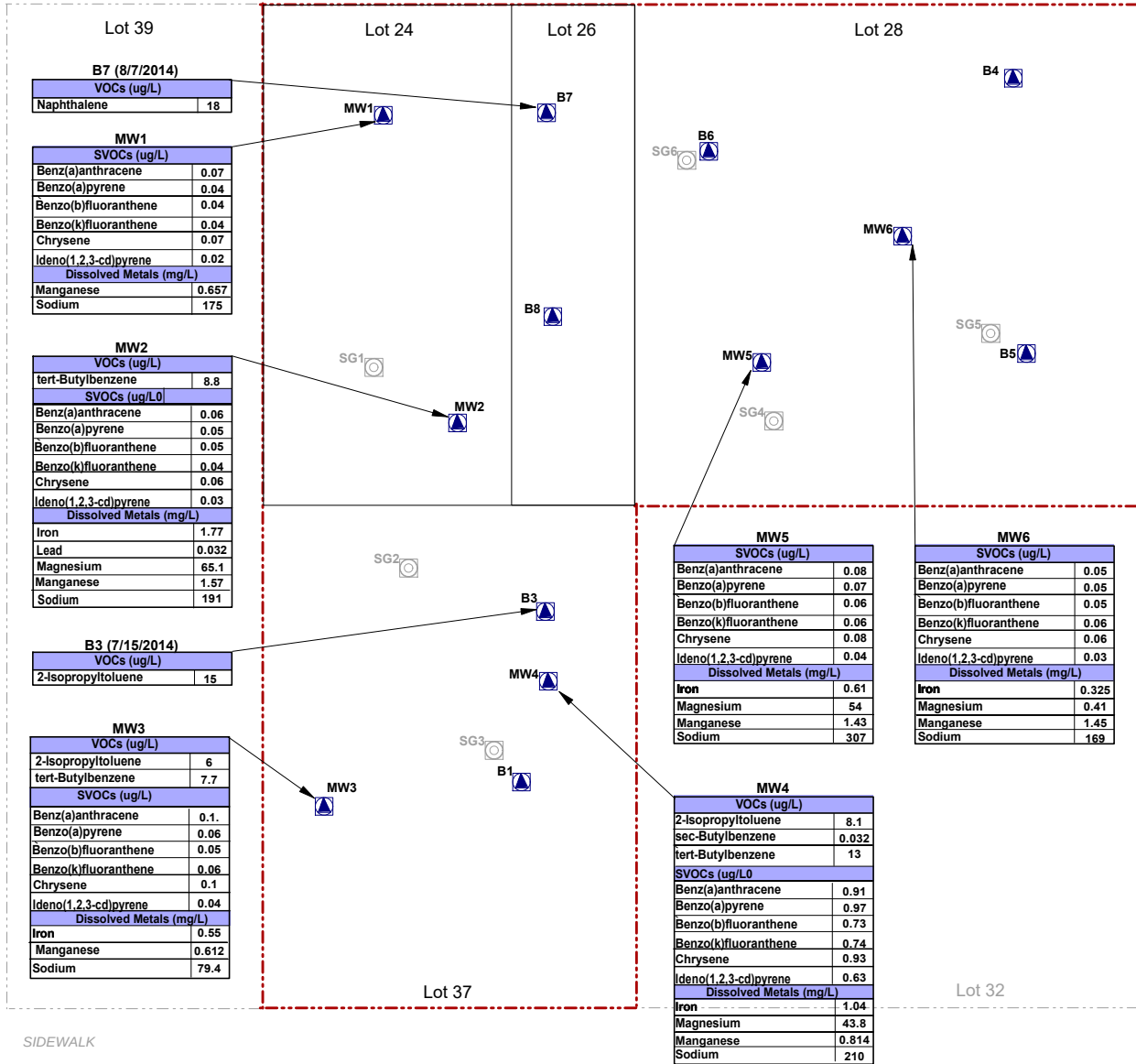
ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
 Fax 631.924.2870

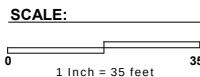
GREEN STREET

SIDEWALK

PROVOST STREET

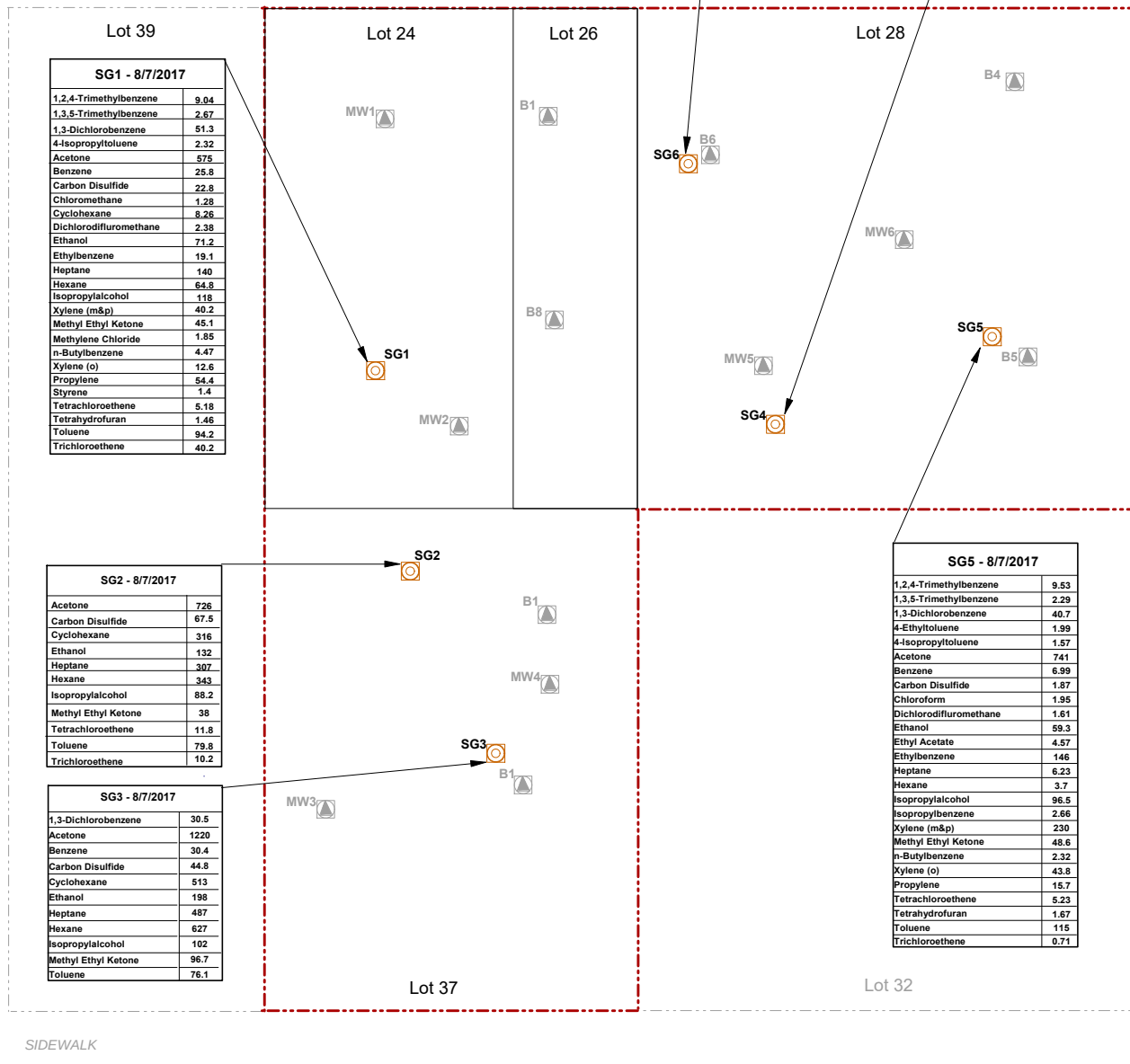


HURON STREET



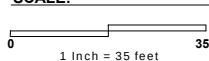
GREEN STREET

SIDEWALK



HURON STREET

SCALE:



KEY:

- Property Boundary
- Proposed Building Location
- SGx Soil Gas Location
- MWx Monitoring Well Location



ENVIRONMENTAL BUSINESS CONSULTANTS

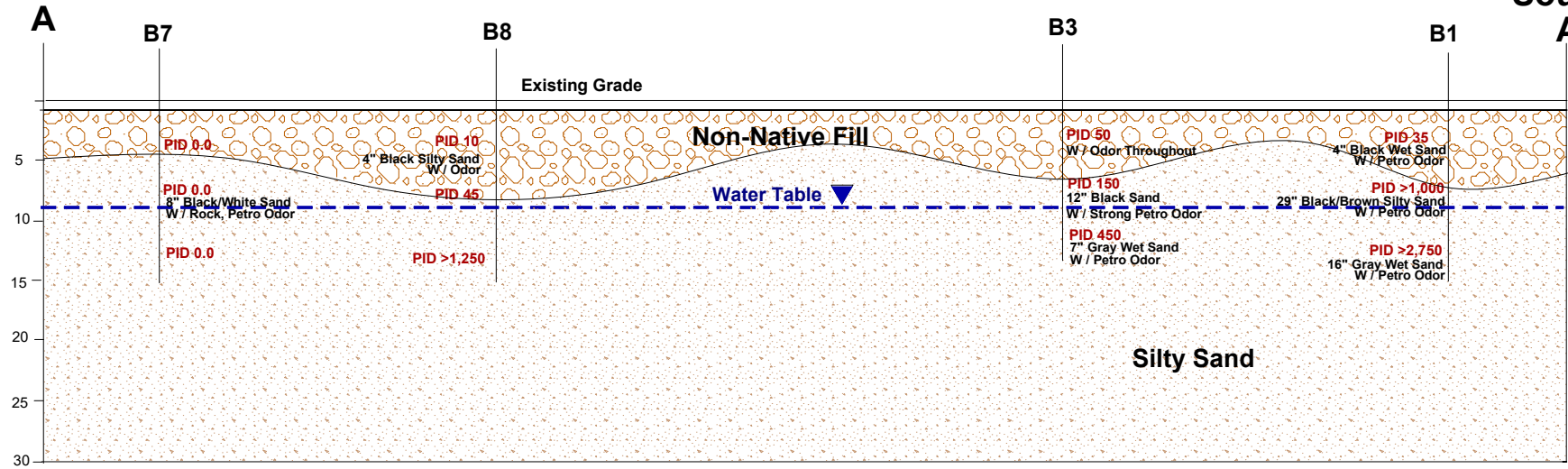
Phone 631.504.6000
Fax 631.924.2870

Figure No.
8

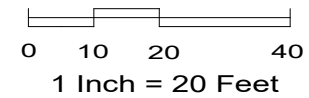
Site Name: **262 GREEN**
Site Address: **262-276 GREEN STREET, & 263 HURON STREET, BROOKLYN, NY**
Drawing Title: **SOIL GAS DETECTIONS**

North

South



SCALE



Vertical
Exaggeration
None

IBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

Figure No.

9

Site Name: 262 GREEN

Site Address: 262-276 GREEN STREET, & 263 HURON STREET, BROOKLYN, NY

Drawing Title: GEOLOGIC CROSS SECTION

APPENDIX - A
Soil Boring Logs

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed in the front half of Lot 37.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: SYG1403	Address: 262 Green Street, Brooklyn, NY		Date	DTW
Drilling Company: C ² Environmental		Method: Geoprobe		Groundwater depth
Date Started: 8/6/2014		Date Completed: 8/6/2014		~10ft
Completion Depth: 15 Feet		Geologist: Reuben Levinton		Well Specifications
				None

B1 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	38		35	8" - Cement dust 22" - Black/brown silt sand with fill material 4" - Black wet sand with odor
	5				*Retained soil sample B1(0-2)
	to	29		>1000	29" - Brown/black silty sand with odor
	10				
	to	16		>2750	16" - Gray wet sand with odor
	15				*Retained soil sample B1(13-15)

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed in the north half of Lot 37.			Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: SYG1403	Address: 262 Green Street, Brooklyn, NY		Date	DTW	Ground Elevation
			Groundwater depth		
Drilling Company: C ² Environmental		Method: Geoprobe		~11ft	Well Specifications
Date Started: 7/15/2014		Date Completed: 7/15/2014			None
Completion Depth: 13 Feet		Geologist: Reuben Levinton			

B3 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	40		50	5" - Cement dust 7" - Black sand, odor 3" - Wood 7" - Cement dust 10" - Black sand, odor 8" - Gray sand, odor <i>*Retained soil sample B3(0-2)</i>
	5				
	to	32		150	6" - Gray sand with odor 4" - Black and orange silty sand 10" - Black fine sand with coal 12" - Black sand, strong odor <i>*Retained soil sample B3(7-10)</i>
	10				
	to	7		450	7" - Gray wet sand, odor <i>*Retained soil sample B3(10-13)</i>
	13				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Performed in the northeast corner of Lot 28.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: SYG1403	Address: 262 Green Street, Brooklyn, NY		Date	DTW
Drilling Company: C ² Environmental		Method: Geoprobe		Groundwater depth
Date Started: 8/7/2014		Date Completed: 8/15/2014		~9ft
Completion Depth: 15 Feet		Geologist: Reuben Levinton		Well Specifications
				None

B4 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	34		0.0	3" - Wood chips 14" - Black/brown silty sand 9" - Brown silty sand 8" - Brown gravelly sand with rock <i>*Retained soil sample B4(0-2)</i>
	5				
	to	45		0.0	40" - Brown silty sand 5" - Brown silty sand, wet
	10				
	to	40		0.0	40" - Wet sand, brown to gray <i>*Retained soil sample B4(13-15)</i>
	15				

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Location: Performed in the southeast corner of Lot 28.			Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: SYG1403		Address: 262 Green Street, Brooklyn, NY		Date	DTW	Ground Elevation
				Groundwater depth ~9ft		Well Specifications None
Drilling Company: C ² Environmental		Method: Geoprobe				
Date Started: 8/6/2014		Date Completed: 8/6/2014				
Completion Depth: 15 Feet		Geologist Reuben Levinton				

[illegible]

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B6 Boring Log

Location: Performed in the west half of Lot 28.			Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: SYG1403		Address: 262 Green Street, Brooklyn, NY		Date	DTW	Ground Elevation
				Groundwater depth		
Drilling Company: C ² Environmental		Method: Geoprobe		~9ft		Well Specifications
Date Started: 7/15/2014		Date Completed: 7/15/2014				None
Completion Depth: 17 Feet		Geologist Reuben Levinton				

B6 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	25		0.0	5" - Red/brown soil 15" - Brown silty sand with rock 5" - Gravely orange/brown sand
	5				<i>*Retained soil sample B6(0-2)</i>
	to	24		0.0	4" - Black/gray silty sand with wood 3" - Orange/brown gravely sand 5" - Black/orange gravely sand 12" - Gray silty wet clay
	10				
	to	22		0.0	22" - Brown wet silty clay
	15				<i>*Retained soil sample B6(11-13)</i>
	to	20		0.0	20" - Brown wet silty clay
	17				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B7 Boring Log

Location: Performed in the north half of Lot 26.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: SYG1403		Address: 262 Green Street, Brooklyn, NY		Date	DTW
Drilling Company: C ² Environmental		Method: Geoprobe		Groundwater depth	
Date Started: 8/6/2014		Date Completed: 8/6/2014		~11ft	
Completion Depth: 15 Feet		Geologist Reuben Levinton		Well Specifications	
				None	

B7 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	26		0.0	11" - Cement dust 10" - Black gravely sand with rock 5" - Brown gravely sand
	5				<i>*Retained soil sample B7(0-2)</i>
	to	19		0.0	4" - Dark brown silty sand 8" - Brown/white sand with rock, odor
	10				
	to	27		0.0	4" - Brown silty sand 23" - Wet gray silty sand
	15				<i>*Retained soil sample B7(11-13)</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B8 Boring Log

Location: Performed in the south half of Lot 26.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: SYG1403	Address: 262 Green Street, Brooklyn, NY	Date	DTW
		Groundwater depth	Ground Elevation
Drilling Company: C ² Environmental	Method: Geoprobe	Not Detected	Well Specifications
Date Started: 8/6/2014	Date Completed: 8/6/2014		None
Completion Depth: 15 Feet	Geologist Reuben Levinton		

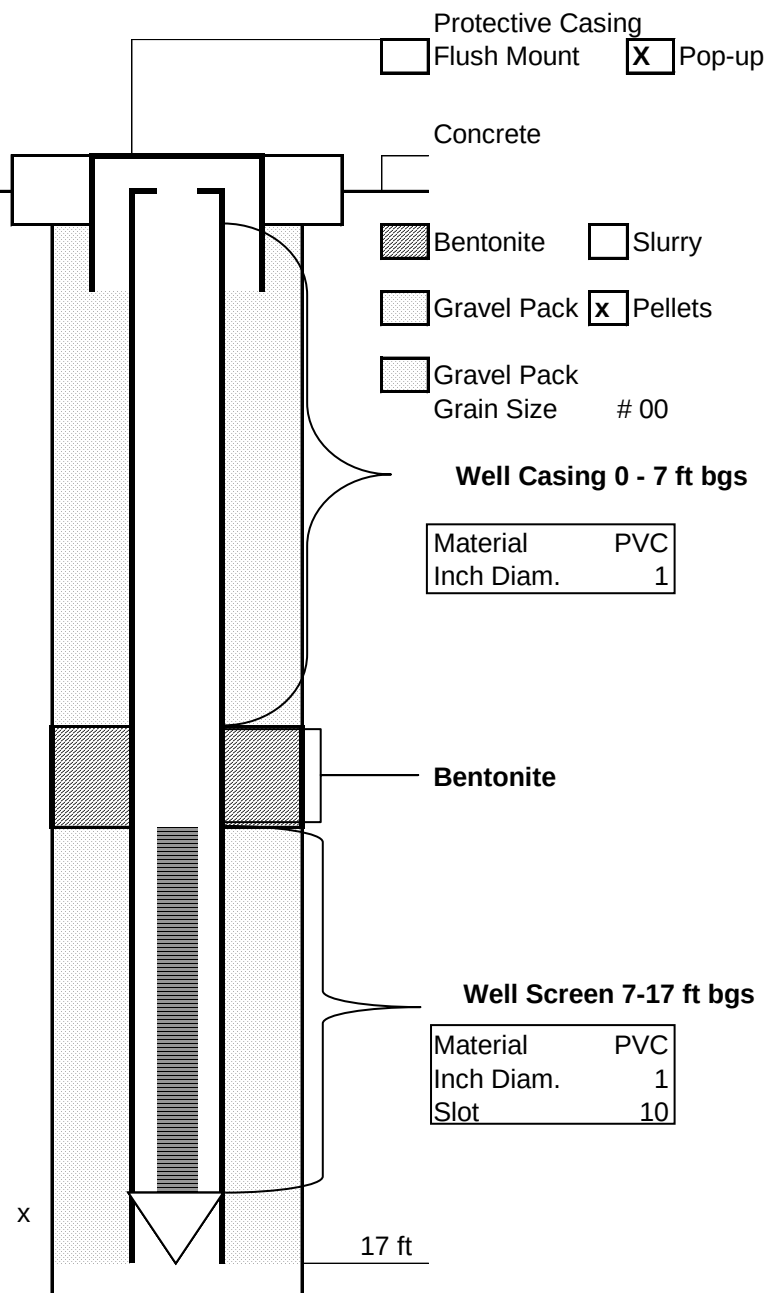
B8 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	24		10	4" - Cement dust 3" - Black gravelly sand 4" - Gray gravelly sand with rock 4" - Black silty sand with odor 9" - Brown silty sand <i>*Retained soil sample B8(0-2)</i>
	5				
	to	16		45	6" - Black gravelly sand 10" - Brown silty sand with rock
	10				
	to	26		>1250	6" - Brown/black silty sand 20" - Wet gray silty sand <i>*Retained soil sample B8(13-15)</i>
	15				

APPENDIX – B
Monitoring Well Completion Reports

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW1



Monitoring Well No.: MW1

Project: 262 Green Street
Brooklyn NY

Depth to Groundwater: 10.73' Date: 7/31/2017

Installation Depth: 17ft bg

Survey Point Elevation:

Installation Date: 7/30/2017

Drilling Contractor: C2 Environmental Corp

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Thomas Gallo

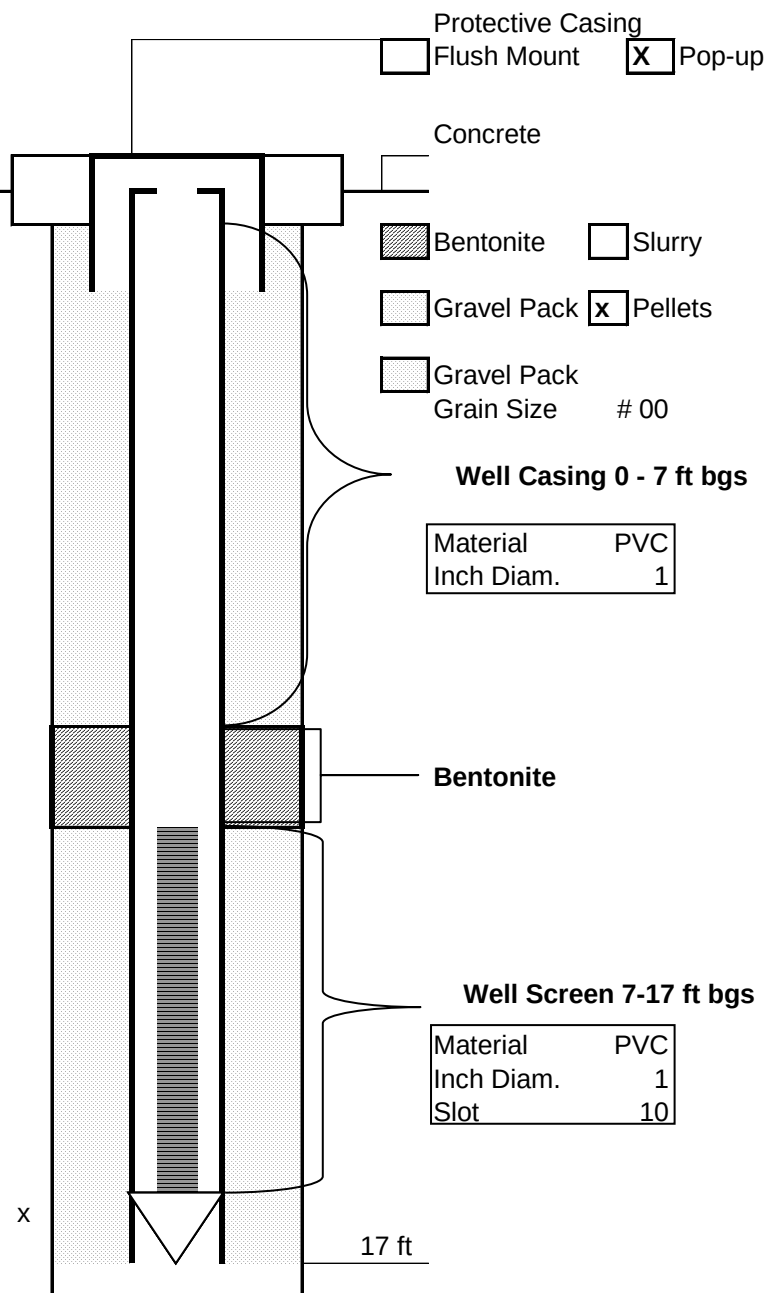
Company Name: EBC

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

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW2



Monitoring Well No.: MW2

Project: 262 Green Street
Brooklyn NY

Depth to Groundwater: 11.75' Date: 7/31/2017

Installation Depth: 17ft bg

Survey Point Elevation:

Installation Date: 7/30/2017

Drilling Contractor: C2 Environmental Corp

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Thomas Gallo

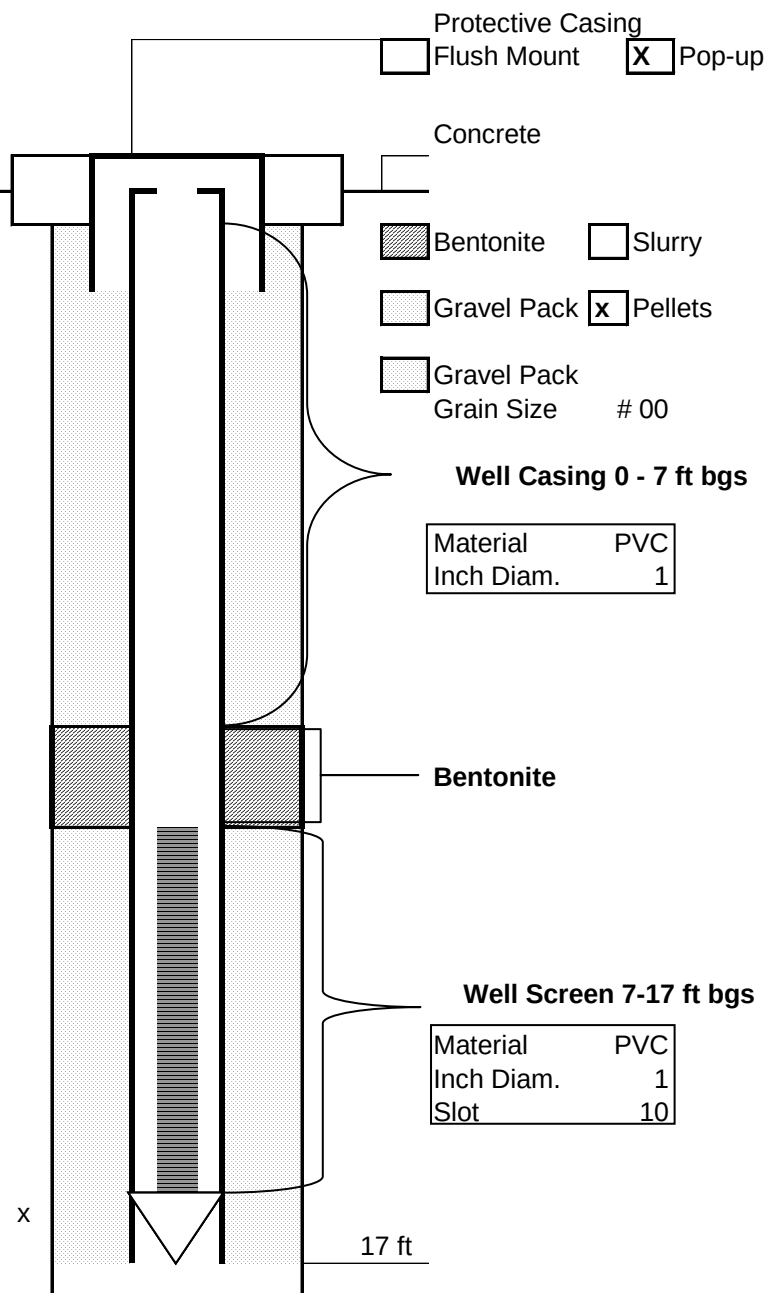
Company Name: EBC

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

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW3



Monitoring Well No.: MW3

Project: 262 Green Street
Brooklyn NY

Depth to Groundwater: 10.40' Date: 7/31/2017

Installation Depth: 17ft bg

Survey Point Elevation:

Installation Date: 7/30/2017

Drilling Contractor: C2 Environmental Corp

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Thomas Gallo

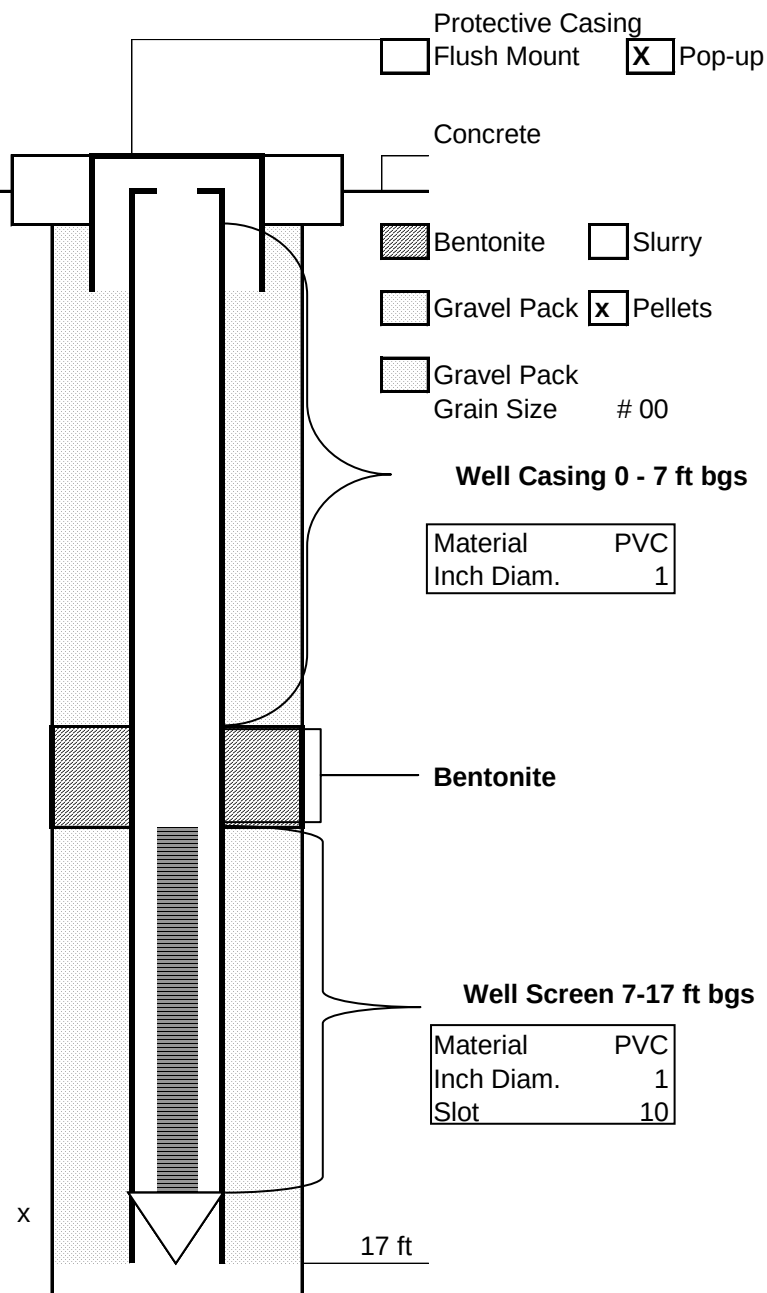
Company Name: EBC

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

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW4



Monitoring Well No.: MW4

Project: 262 Green Street
Brooklyn NY

Depth to Groundwater: 11.50' Date: 7/31/2017

Installation Depth: 17ft bg

Survey Point Elevation:

Installation Date: 7/30/2017

Drilling Contractor: C2 Environmental Corp

Installation Method: Hollow Geoprobe Rods

Water Removed During Development:

Hydrogeologist: Thomas Gallo

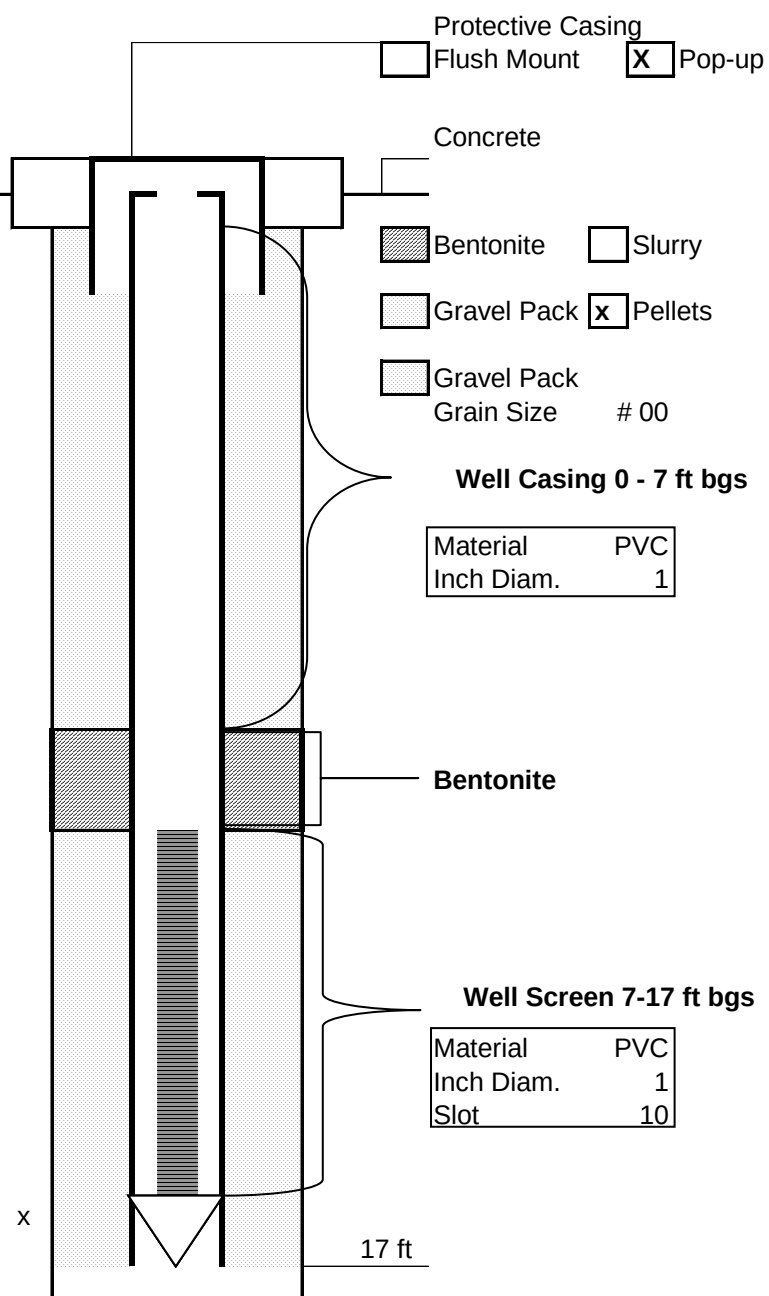
Company Name: EBC

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



CONSTRUCTION LOG

<u>Monitoring Well No.:</u>	MW5		
<u>Project:</u>	262 Green Street Brooklyn NY		
<u>Depth to Groundwater:</u>	11.86'	Date:	7/31/2017
<u>Installation Depth:</u>	17ft bg		
<u>Survey Point Elevation:</u>			
<u>Installation Date:</u>	7/30/2017		
<u>Drilling Contractor:</u>	C2 Environmental Corp		
<u>Installation Method:</u>	Hollow Geoprobe Rods		
<u>Water Removed During Development:</u>			
<u>Hydrogeologist:</u>	Thomas Gallo		
<u>Company Name:</u>	EBC		



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

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

APPENDIX - C
Groundwater Sampling Logs

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW1

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 10.73

Height of Water in Well: 6.27

Gallons of Water per Well Volume: 0.209

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								Gray, turbid
10:03am	400ml/min	0.33								Gray, turbid
10:08am	400ml/min	0.88								Gray, turbid
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW2

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 11.75

Height of Water in Well: 5.25

Gallons of Water per Well Volume: 0.175

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								Gray, turbid
10:03am	400ml/min	0.33								Gray, turbid
10:08am	400ml/min	0.88								Gray, turbid
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW3

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 10.4

Height of Water in Well: 6.6

Gallons of Water per Well Volume: 0.220

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								turbid, light petrol odor
10:03am	400ml/min	0.33								turbid, light petrol odor
10:08am	400ml/min	0.88								turbid, light petrol odor
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW4

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 11.5

Height of Water in Well: 5.5

Gallons of Water per Well Volume: 0.183

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								turbid, light petrol odor
10:03am	400ml/min	0.33								turbid, light petrol odor
10:08am	400ml/min	0.88								turbid, light petrol odor
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW5

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 11.86

Height of Water in Well: 5.14

Gallons of Water per Well Volume: 0.171

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								gray, turbid
10:03am	400ml/min	0.33								gray, turbid
10:08am	400ml/min	0.88								gray, turbid
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: MW6

Date: 7/31/2017

Well Depth (from TOC): 17

Equipment: Peristaltic Pump

Static Water Level (from TOC): 11.75

Height of Water in Well: 5.25

Gallons of Water per Well Volume: 0.175

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00am	400ml/min	0								gray, turbid
10:03am	400ml/min	0.33								gray, turbid
10:08am	400ml/min	0.88								gray, turbid
10:13am	400ml/min	1.43								Clear
10:18am	400ml/min	1.98								Collected sample

Note 400 ml = 0.11 gallons

APPENDIX - D
Soil Vapor Sampling Logs

CHAIN OF CUSTODY RECORD

AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Page / of /

Data Delivery:

☐ Fax #:

☒ Email: Fik

☐ Phone #:

Report to: <u>Tom Gallo</u>	Invoice to: <u>EBC</u>	Project Name: <u>270 Green st, Brooklyn, NY</u>	Ambient/Indoor Air Soil Gas Grab (G) Composite (C) TO-14 TO-15
Customer: <u>EBC</u>		Requested Deliverable: RCP ☐ ASP CAT B ☒	
Address:		MCP ☐ NJ Deliverables ☐	
	Sampled by: <u>Houngou Law</u>	State where samples collected: <u>NY</u>	

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
THIS SECTION FOR LAB USE ONLY																	
	<u>Did NOT USE</u>	<u>19165</u>	<u>6.0</u>	<u>-30</u>		<u>5673</u>	<u>43</u>										
<u>76579</u>	<u>SG1</u>	<u>457</u>	<u>6.0</u>	<u>-30</u>	<u>-7</u>	<u>3507</u>	<u>43</u>	<u>11:26am</u>	<u>1:26pm</u>	<u>8-1-17</u>	<u>-30</u>	<u>-5</u>	<u>X</u>			<u>X</u>	
<u>76580</u>	<u>SG4</u>	<u>11290</u>	<u>6.0</u>	<u>-30</u>	<u>-7</u>	<u>5042</u>	<u>43</u>	<u>11:36am</u>	<u>1:35pm</u>	<u>8-1-17</u>	<u>-30</u>	<u>-5</u>	<u>+</u>			<u>X</u>	
<u>76581</u>	<u>SG2</u>	<u>19916</u>	<u>6.0</u>	<u>-30</u>	<u>-6</u>	<u>4961</u>	<u>43</u>	<u>11:30am</u>	<u>1:29pm</u>	<u>8-1-17</u>	<u>-30</u>	<u>-5</u>	<u>X</u>			<u>X</u>	
<u>76582</u>	<u>SG3</u>	<u>463</u>	<u>6.0</u>	<u>-30</u>	<u>-6</u>	<u>3505</u>	<u>43</u>	<u>11:34am</u>	<u>1:38pm</u>	<u>8-1-17</u>	<u>-30</u>	<u>-5</u>	<u>X</u>			<u>X</u>	
<u>76583</u>	<u>SG5</u>	<u>173</u>	<u>6.0</u>	<u>-30</u>	<u>-7</u>	<u>3509</u>	<u>43</u>	<u>11:45am</u>	<u>1:44pm</u>	<u>8-1-17</u>	<u>-30</u>	<u>-5</u>	<u>X</u>			<u>X</u>	
<u>76584</u>	<u>SG6</u>	<u>23326</u>	<u>6.0</u>	<u>-30</u>	<u>-8</u>	<u>5618</u>	<u>43</u>	<u>11:41pm</u>	<u>1:31pm</u>	<u>8-1-17</u>	<u>-28</u>	<u>-4</u>	<u>X</u>			<u>X</u>	
	<u>6.0L 2hrs</u>																

Relinquished by: <u>Houngou Law</u>	Accepted by: <u>TRCOW</u>	Date: <u>8/2/17</u>	Time: <u>7:31</u>	Data Format: Excel ☒ Equis ☒ GISKey ☐
		<u>8/2/17</u>	<u>15:35</u>	PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

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:

Signature:

Date:

APPENDIX - E
Laboratory Reports (On Disk)



Tuesday, July 22, 2014

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

Project ID: 262 GREEN ST BROOKLYN NY
Sample ID#s: BG76349 - BG76355

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

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

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

July 22, 2014

SDG I.D.: GBG76349

8260 Volatile Organics:

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

Due to the concentration of target and non-target compounds not all of the requested criteria could be achieved on the soil samples.

BG76349, BG76350, BG76351 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG76354, BG76355 - The pH in the preserved vial was greater than 2.



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14
07/16/14

Time

7:20
16:20

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76349

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B3 7-10 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	69		%	07/16/14	I	E160.3
Soil Extraction SVOA PAH	Completed			07/16/14	BJ/HF	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1,1-Trichloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1,2-Trichloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloroethene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloropropene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2,3-Trichloropropane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2-Dibromoethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichloropropane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,3-Dichlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,3-Dichloropropane	ND	360	ug/Kg	07/16/14	JLI	SW8260
1,4-Dichlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
2,2-Dichloropropane	ND	360	ug/Kg	07/16/14	JLI	SW8260
2-Chlorotoluene	ND	360	ug/Kg	07/16/14	JLI	SW8260
2-Hexanone	ND	1800	ug/Kg	07/16/14	JLI	SW8260
2-Isopropyltoluene	520	360	ug/Kg	07/16/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	360	ug/Kg	07/16/14	JLI	SW8260
4-Methyl-2-pentanone	ND	1800	ug/Kg	07/16/14	JLI	SW8260
Acetone	ND	1800	ug/Kg	07/16/14	JLI	SW8260
Acrylonitrile	ND	720	ug/Kg	07/16/14	JLI	SW8260
Benzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Bromobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Bromochloromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Bromodichloromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Bromoform	ND	360	ug/Kg	07/16/14	JLI	SW8260
Bromomethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Carbon Disulfide	ND	360	ug/Kg	07/16/14	JLI	SW8260
Carbon tetrachloride	ND	360	ug/Kg	07/16/14	JLI	SW8260
Chlorobenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Chloroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Chloroform	ND	360	ug/Kg	07/16/14	JLI	SW8260
Chloromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	360	ug/Kg	07/16/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Dibromochloromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Dibromomethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Dichlorodifluoromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Ethylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Hexachlorobutadiene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Isopropylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
m&p-Xylene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1800	ug/Kg	07/16/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	720	ug/Kg	07/16/14	JLI	SW8260
Methylene chloride	ND	360	ug/Kg	07/16/14	JLI	SW8260
Naphthalene	ND	360	ug/Kg	07/16/14	JLI	SW8260
n-Butylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
n-Propylbenzene	ND	360	ug/Kg	07/16/14	JLI	SW8260
o-Xylene	ND	360	ug/Kg	07/16/14	JLI	SW8260
p-Isopropyltoluene	ND	360	ug/Kg	07/16/14	JLI	SW8260
sec-Butylbenzene	760	360	ug/Kg	07/16/14	JLI	SW8260
Styrene	ND	360	ug/Kg	07/16/14	JLI	SW8260
tert-Butylbenzene	780	360	ug/Kg	07/16/14	JLI	SW8260
Tetrachloroethene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	720	ug/Kg	07/16/14	JLI	SW8260
Toluene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Total Xylenes	ND	360	ug/Kg	07/16/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	360	ug/Kg	07/16/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	360	ug/Kg	07/16/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	720	ug/Kg	07/16/14	JLI	SW8260
Trichloroethene	ND	360	ug/Kg	07/16/14	JLI	SW8260
Trichlorofluoromethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Trichlorotrifluoroethane	ND	360	ug/Kg	07/16/14	JLI	SW8260
Vinyl chloride	ND	360	ug/Kg	07/16/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	107		%	07/16/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	161		%	07/16/14	JLI	70 - 130 % ³
% Dibromofluoromethane	100		%	07/16/14	JLI	70 - 130 %
% Toluene-d8	103		%	07/16/14	JLI	70 - 130 %

Semivolatiles-STARs/CP-51

Acenaphthene	630	340	ug/Kg	07/17/14	KCA	SW 8270
Acenaphthylene	ND	340	ug/Kg	07/17/14	KCA	SW 8270
Anthracene	1100	340	ug/Kg	07/17/14	KCA	SW 8270
Benz(a)anthracene	2600	340	ug/Kg	07/17/14	KCA	SW 8270
Benzo(a)pyrene	2200	340	ug/Kg	07/17/14	KCA	SW 8270
Benzo(b)fluoranthene	3400	340	ug/Kg	07/17/14	KCA	SW 8270
Benzo(ghi)perylene	760	340	ug/Kg	07/17/14	KCA	SW 8270
Benzo(k)fluoranthene	1000	340	ug/Kg	07/17/14	KCA	SW 8270
Chrysene	2600	340	ug/Kg	07/17/14	KCA	SW 8270
Dibenz(a,h)anthracene	ND	340	ug/Kg	07/17/14	KCA	SW 8270
Fluoranthene	6100	340	ug/Kg	07/17/14	KCA	SW 8270
Fluorene	590	340	ug/Kg	07/17/14	KCA	SW 8270
Indeno(1,2,3-cd)pyrene	680	340	ug/Kg	07/17/14	KCA	SW 8270
Naphthalene	520	340	ug/Kg	07/17/14	KCA	SW 8270
Phenanthrene	4900	340	ug/Kg	07/17/14	KCA	SW 8270
Pyrene	5700	340	ug/Kg	07/17/14	KCA	SW 8270

QA/QC Surrogates

% 2-Fluorobiphenyl	69		%	07/17/14	KCA	30 - 130 %
% Nitrobenzene-d5	72		%	07/17/14	KCA	30 - 130 %
% Terphenyl-d14	93		%	07/17/14	KCA	30 - 130 %

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

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.

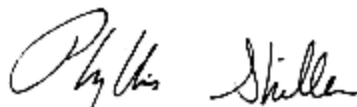
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds. One of the surrogate recoveries was above the upper range due to matrix interference.

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

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14
07/16/14

Time

7:30
16:20

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76350

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B3 10-13 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	73		%	07/16/14	I	E160.3

Volatiles

1,1,1,2-Tetrachloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1-Dichloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1-Dichloroethene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,1-Dichloropropene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2,3-Trichloropropane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2-Dibromoethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2-Dichlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2-Dichloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,2-Dichloropropane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,3-Dichlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,3-Dichloropropane	ND	340	ug/Kg	07/17/14	JLI	SW8260
1,4-Dichlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
2,2-Dichloropropane	ND	340	ug/Kg	07/17/14	JLI	SW8260
2-Chlorotoluene	ND	340	ug/Kg	07/17/14	JLI	SW8260
2-Hexanone	ND	1700	ug/Kg	07/17/14	JLI	SW8260
2-Isopropyltoluene	5400	340	ug/Kg	07/17/14	JLI	SW8260
4-Chlorotoluene	ND	340	ug/Kg	07/17/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Methyl-2-pentanone	ND	1700	ug/Kg	07/17/14	JLI	SW8260
Acetone	ND	1700	ug/Kg	07/17/14	JLI	SW8260
Acrylonitrile	ND	680	ug/Kg	07/17/14	JLI	SW8260
Benzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Bromobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Bromochloromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Bromodichloromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Bromoform	ND	340	ug/Kg	07/17/14	JLI	SW8260
Bromomethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Carbon Disulfide	ND	340	ug/Kg	07/17/14	JLI	SW8260
Carbon tetrachloride	ND	340	ug/Kg	07/17/14	JLI	SW8260
Chlorobenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Chloroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Chloroform	ND	340	ug/Kg	07/17/14	JLI	SW8260
Chloromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	340	ug/Kg	07/17/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Dibromochloromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Dibromomethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Dichlorodifluoromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Ethylbenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Hexachlorobutadiene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Isopropylbenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
m&p-Xylene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1700	ug/Kg	07/17/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	680	ug/Kg	07/17/14	JLI	SW8260
Methylene chloride	ND	340	ug/Kg	07/17/14	JLI	SW8260
Naphthalene	ND	340	ug/Kg	07/17/14	JLI	SW8260
n-Butylbenzene	3500	340	ug/Kg	07/17/14	JLI	SW8260
n-Propylbenzene	ND	340	ug/Kg	07/17/14	JLI	SW8260
o-Xylene	ND	340	ug/Kg	07/17/14	JLI	SW8260
p-Isopropyltoluene	ND	340	ug/Kg	07/17/14	JLI	SW8260
sec-Butylbenzene	11000	6800	ug/Kg	07/16/14	JLI	SW8260
Styrene	ND	340	ug/Kg	07/17/14	JLI	SW8260
tert-Butylbenzene	8600	6800	ug/Kg	07/16/14	JLI	SW8260
Tetrachloroethene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	680	ug/Kg	07/17/14	JLI	SW8260
Toluene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Total Xylenes	ND	340	ug/Kg	07/17/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	340	ug/Kg	07/17/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	340	ug/Kg	07/17/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	680	ug/Kg	07/17/14	JLI	SW8260
Trichloroethene	ND	340	ug/Kg	07/17/14	JLI	SW8260
Trichlorofluoromethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Trichlorotrifluoroethane	ND	340	ug/Kg	07/17/14	JLI	SW8260
Vinyl chloride	ND	340	ug/Kg	07/17/14	JLI	SW8260
QA/QC Surrogates						
% 1,2-dichlorobenzene-d4	116		%	07/17/14	JLI	70 - 130 %
% Bromofluorobenzene	137		%	07/16/14	JLI	70 - 130 %

1

3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Dibromofluoromethane	97		%	07/17/14	JLI	70 - 130 %
% Toluene-d8	103		%	07/17/14	JLI	70 - 130 %

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

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.

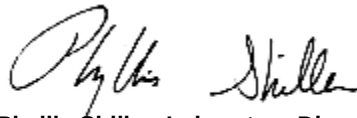
Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds. One of the surrogate recoveries was above the upper range due to matrix interference.

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

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14 12:30
07/16/14 16:20

Time

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76351

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B6 15-17 FT

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	07/16/14	I	E160.3
Soil Extraction SVOA PAH	Completed			07/16/14	BJ/HF	SW3545

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloroethene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,1-Dichloropropene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2-Dibromoethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,2-Dichloropropane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,3-Dichloropropane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
2,2-Dichloropropane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
2-Chlorotoluene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
2-Hexanone	ND	30	ug/Kg	07/16/14	JLI	SW8260
2-Isopropyltoluene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	07/16/14	JLI	SW8260
Acetone	41	30	ug/Kg	07/16/14	JLI	SW8260
Acrylonitrile	ND	12	ug/Kg	07/16/14	JLI	SW8260
Benzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Bromobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Bromochloromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Bromodichloromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Bromoform	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Bromomethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Carbon Disulfide	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Carbon tetrachloride	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Chlorobenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Chloroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Chloroform	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Chloromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Dibromochloromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Dibromomethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Ethylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Hexachlorobutadiene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Isopropylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
m&p-Xylene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	07/16/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	07/16/14	JLI	SW8260
Methylene chloride	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Naphthalene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
n-Butylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
n-Propylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
o-Xylene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
p-Isopropyltoluene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
sec-Butylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Styrene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
tert-Butylbenzene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Tetrachloroethene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	07/16/14	JLI	SW8260
Toluene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Total Xylenes	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	07/16/14	JLI	SW8260
Trichloroethene	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Trichlorofluoromethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
Vinyl chloride	ND	6.0	ug/Kg	07/16/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	07/16/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	98		%	07/16/14	JLI	70 - 130 %
% Dibromofluoromethane	106		%	07/16/14	JLI	70 - 130 %
% Toluene-d8	101		%	07/16/14	JLI	70 - 130 %

Semivolatiles-STARs/CP-51

Acenaphthene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Acenaphthylene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Anthracene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Benz(a)anthracene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Benzo(a)pyrene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Benzo(b)fluoranthene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Benzo(ghi)perylene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Benzo(k)fluoranthene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Chrysene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Fluoranthene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Fluorene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Naphthalene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Phenanthrene	ND	280	ug/Kg	07/17/14	KCA	SW 8270
Pyrene	ND	280	ug/Kg	07/17/14	KCA	SW 8270

QA/QC Surrogates

% 2-Fluorobiphenyl	59		%	07/17/14	KCA	30 - 130 %
% Nitrobenzene-d5	52		%	07/17/14	KCA	30 - 130 %
% Terphenyl-d14	94		%	07/17/14	KCA	30 - 130 %

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

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

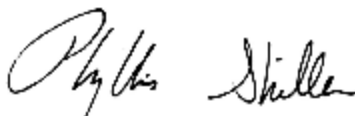
Comments:

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

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

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14 12:00
07/16/14 16:20

Time

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76352

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B6 3-5-FILL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Lead	4120	39	mg/Kg	07/18/14	LK	SW6010
TCLP Lead	9.79	0.10	mg/L	07/18/14	LK	SW6010
TCLP Metals Digestion	Completed			07/17/14	I/I	SW3005
Percent Solid	83		%	07/16/14	I	E160.3
Soil Extraction for PCB	Completed			07/16/14	BB/F	SW3545
TCLP Extraction for Metals	Completed			07/16/14	I	EPA 1311
Total Metals Digest	Completed			07/16/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1221	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1232	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1242	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1248	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1254	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1260	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1262	ND	80	ug/Kg	07/17/14	AW	SW 8082
PCB-1268	ND	80	ug/Kg	07/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	67	%	07/17/14	AW	30 - 150 %
% TCMX	56	%	07/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

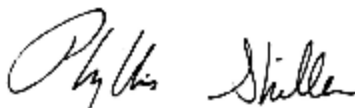
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14 7:10
07/16/14 16:20

Time

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76353

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B3 0-2-FILL

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Lead	492	4.1	mg/Kg	07/18/14	LK	SW6010
TCLP Lead	< 0.10	0.10	mg/L	07/18/14	LK	SW6010
TCLP Metals Digestion	Completed			07/17/14	I/I	SW3005
Percent Solid	83		%	07/16/14	I	E160.3
Soil Extraction for PCB	Completed			07/16/14	BB/F	SW3545
TCLP Extraction for Metals	Completed			07/16/14	I	EPA 1311
Total Metals Digest	Completed			07/16/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1221	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1232	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1242	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1248	800	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1254	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1260	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1262	ND	78	ug/Kg	07/17/14	AW	SW 8082
PCB-1268	ND	78	ug/Kg	07/17/14	AW	SW 8082

QA/QC Surrogates

% DCBP	88	%	07/17/14	AW	30 - 150 %
% TCMX	78	%	07/17/14	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
-----------	--------	------------	-------	-----------	----	-----------

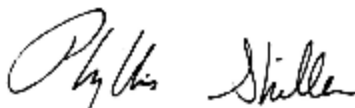
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14
07/16/14

Time

8:00
16:20

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76354

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	07/17/14	RM	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	07/17/14	RM	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	07/17/14	RM	SW8260
2-Chlorotoluene	ND	1.0	ug/L	07/17/14	RM	SW8260
2-Hexanone	ND	5.0	ug/L	07/17/14	RM	SW8260
2-Isopropyltoluene	15	1.0	ug/L	07/17/14	RM	SW8260
4-Chlorotoluene	ND	1.0	ug/L	07/17/14	RM	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	07/17/14	RM	SW8260

Client ID: B3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	25	ug/L	07/17/14	RM	SW8260	
Acrylonitrile	ND	5.0	ug/L	07/17/14	RM	SW8260	
Benzene	ND	0.70	ug/L	07/17/14	RM	SW8260	
Bromobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Bromochloromethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Bromodichloromethane	ND	0.50	ug/L	07/17/14	RM	SW8260	
Bromoform	ND	1.0	ug/L	07/17/14	RM	SW8260	
Bromomethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Carbon Disulfide	ND	5.0	ug/L	07/17/14	RM	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	07/17/14	RM	SW8260	
Chlorobenzene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Chloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Chloroform	ND	1.0	ug/L	07/17/14	RM	SW8260	
Chloromethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	07/17/14	RM	SW8260	
cis-1,3-Dichloropropene	ND	0.40	ug/L	07/17/14	RM	SW8260	
Dibromochloromethane	ND	0.50	ug/L	07/17/14	RM	SW8260	
Dibromomethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Ethylbenzene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	07/17/14	RM	SW8260	B
Isopropylbenzene	ND	1.0	ug/L	07/17/14	RM	SW8260	
m&p-Xylene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	07/17/14	RM	SW8260	
Methyl t-butyl ether (MTBE)	1.2	1.0	ug/L	07/17/14	RM	SW8260	
Methylene chloride	ND	1.0	ug/L	07/17/14	RM	SW8260	
Naphthalene	1.8	1.0	ug/L	07/17/14	RM	SW8260	
n-Butylbenzene	4.6	1.0	ug/L	07/17/14	RM	SW8260	
n-Propylbenzene	ND	1.0	ug/L	07/17/14	RM	SW8260	
o-Xylene	ND	1.0	ug/L	07/17/14	RM	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	07/17/14	RM	SW8260	
sec-Butylbenzene	14	1.0	ug/L	07/17/14	RM	SW8260	
Styrene	ND	1.0	ug/L	07/17/14	RM	SW8260	
tert-Butylbenzene	24	1.0	ug/L	07/17/14	RM	SW8260	
Tetrachloroethene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	07/17/14	RM	SW8260	1
Toluene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Total Xylenes	ND	1.0	ug/L	07/17/14	RM	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	07/17/14	RM	SW8260	
trans-1,3-Dichloropropene	ND	0.40	ug/L	07/17/14	RM	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	07/17/14	RM	SW8260	
Trichloroethene	ND	1.0	ug/L	07/17/14	RM	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	07/17/14	RM	SW8260	
Vinyl chloride	ND	1.0	ug/L	07/17/14	RM	SW8260	
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	93		%	07/17/14	RM	70 - 130 %	
% Bromofluorobenzene	142		%	07/17/14	RM	70 - 130 %	3
% Dibromofluoromethane	96		%	07/17/14	RM	70 - 130 %	

Client ID: B3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	100		%	07/17/14	RM	70 - 130 %

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, no bias suspected.

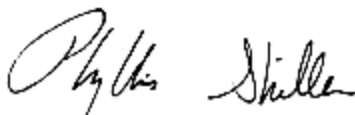
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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

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



Phyllis Shiller, Laboratory Director

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

July 22, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

07/15/14
07/16/14

Time

13:00
16:20

Laboratory Data

SDG ID: GBG76349
Phoenix ID: BG76355

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,1,1-Trichloroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	07/17/14	RM	SW8260
1,1,2-Trichloroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloroethene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,1-Dichloropropene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2,3-Trichlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2,3-Trichloropropane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2-Dibromoethane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2-Dichlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,2-Dichloroethane	ND	1.2	ug/L	07/17/14	RM	SW8260
1,2-Dichloropropane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,3-Dichlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
1,3-Dichloropropane	ND	2.0	ug/L	07/17/14	RM	SW8260
1,4-Dichlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
2,2-Dichloropropane	ND	2.0	ug/L	07/17/14	RM	SW8260
2-Chlorotoluene	ND	2.0	ug/L	07/17/14	RM	SW8260
2-Hexanone	ND	10	ug/L	07/17/14	RM	SW8260
2-Isopropyltoluene	ND	2.0	ug/L	07/17/14	RM	SW8260
4-Chlorotoluene	ND	2.0	ug/L	07/17/14	RM	SW8260
4-Methyl-2-pentanone	ND	10	ug/L	07/17/14	RM	SW8260

Client ID: B6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Acetone	ND	50	ug/L	07/17/14	RM	SW8260
Acrylonitrile	ND	10	ug/L	07/17/14	RM	SW8260
Benzene	ND	1.4	ug/L	07/17/14	RM	SW8260
Bromobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
Bromochloromethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Bromodichloromethane	ND	1.0	ug/L	07/17/14	RM	SW8260
Bromoform	ND	2.0	ug/L	07/17/14	RM	SW8260
Bromomethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Carbon Disulfide	ND	10	ug/L	07/17/14	RM	SW8260
Carbon tetrachloride	ND	2.0	ug/L	07/17/14	RM	SW8260
Chlorobenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
Chloroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Chloroform	ND	2.0	ug/L	07/17/14	RM	SW8260
Chloromethane	ND	2.0	ug/L	07/17/14	RM	SW8260
cis-1,2-Dichloroethene	ND	2.0	ug/L	07/17/14	RM	SW8260
cis-1,3-Dichloropropene	ND	0.80	ug/L	07/17/14	RM	SW8260
Dibromochloromethane	ND	1.0	ug/L	07/17/14	RM	SW8260
Dibromomethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Dichlorodifluoromethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Ethylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
Hexachlorobutadiene	ND	0.80	ug/L	07/17/14	RM	SW8260
Isopropylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
m&p-Xylene	ND	2.0	ug/L	07/17/14	RM	SW8260
Methyl ethyl ketone	ND	10	ug/L	07/17/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	2.0	ug/L	07/17/14	RM	SW8260
Methylene chloride	ND	2.0	ug/L	07/17/14	RM	SW8260
Naphthalene	ND	2.0	ug/L	07/17/14	RM	SW8260
n-Butylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
n-Propylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
o-Xylene	ND	2.0	ug/L	07/17/14	RM	SW8260
p-Isopropyltoluene	ND	2.0	ug/L	07/17/14	RM	SW8260
sec-Butylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
Styrene	ND	2.0	ug/L	07/17/14	RM	SW8260
tert-Butylbenzene	ND	2.0	ug/L	07/17/14	RM	SW8260
Tetrachloroethene	ND	2.0	ug/L	07/17/14	RM	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	07/17/14	RM	SW8260
Toluene	ND	2.0	ug/L	07/17/14	RM	SW8260
Total Xylenes	ND	2.0	ug/L	07/17/14	RM	SW8260
trans-1,2-Dichloroethene	ND	2.0	ug/L	07/17/14	RM	SW8260
trans-1,3-Dichloropropene	ND	0.80	ug/L	07/17/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/L	07/17/14	RM	SW8260
Trichloroethene	ND	2.0	ug/L	07/17/14	RM	SW8260
Trichlorofluoromethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Trichlorotrifluoroethane	ND	2.0	ug/L	07/17/14	RM	SW8260
Vinyl chloride	ND	2.0	ug/L	07/17/14	RM	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	07/17/14	RM	70 - 130 %
% Bromofluorobenzene	99		%	07/17/14	RM	70 - 130 %
% Dibromofluoromethane	99		%	07/17/14	RM	70 - 130 %

B

1

Client ID: B6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	99		%	07/17/14	RM	70 - 130 %

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.

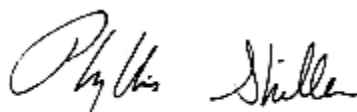
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

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

July 22, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

July 22, 2014

QA/QC Data

SDG I.D.: GBG76349

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280243, QC Sample No: BG76160 (BG76352, BG76353)												
<u>ICP Metals - TCLP Extraction</u>												
Lead	BRL	<0.010	0.011	NC	100	100	0.0	101	99.4	1.6	75 - 125	20
QA/QC Batch 280182, QC Sample No: BG76352 (BG76352, BG76353)												
<u>ICP Metals - Soil</u>												
Lead	BRL	4120	3550	14.9	104	109	4.7	NC	NC	NC	75 - 125	30



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

July 22, 2014

QA/QC Data

SDG I.D.: GBG76349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 280394, QC Sample No: BG75830 (BG76354, BG76355 (2X))									
Volatiles - Ground Water									
1,1,1,2-Tetrachloroethane	ND	99	121	20.0	120	121	0.8	70 - 130	30
1,1,1-Trichloroethane	ND	95	112	16.4	126	127	0.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	106	130	20.3	119	119	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	94	121	25.1	119	116	2.6	70 - 130	30
1,1-Dichloroethane	ND	97	117	18.7	126	126	0.0	70 - 130	30
1,1-Dichloroethene	ND	98	113	14.2	126	124	1.6	70 - 130	30
1,1-Dichloropropene	ND	93	107	14.0	125	126	0.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	105	126	18.2	123	124	0.8	70 - 130	30
1,2,3-Trichloropropane	ND	106	126	17.2	123	120	2.5	70 - 130	30
1,2,4-Trichlorobenzene	ND	100	120	18.2	121	121	0.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	97	112	14.4	123	123	0.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	101	124	20.4	113	111	1.8	70 - 130	30
1,2-Dibromoethane	ND	96	121	23.0	118	113	4.3	70 - 130	30
1,2-Dichlorobenzene	ND	99	118	17.5	120	119	0.8	70 - 130	30
1,2-Dichloroethane	ND	98	122	21.8	124	121	2.4	70 - 130	30
1,2-Dichloropropane	ND	99	121	20.0	124	120	3.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	100	113	12.2	124	124	0.0	70 - 130	30
1,3-Dichlorobenzene	ND	101	115	13.0	120	120	0.0	70 - 130	30
1,3-Dichloropropane	ND	101	125	21.2	123	122	0.8	70 - 130	30
1,4-Dichlorobenzene	ND	98	116	16.8	120	120	0.0	70 - 130	30
2,2-Dichloropropane	ND	86	100	15.1	111	111	0.0	70 - 130	30
2-Chlorotoluene	ND	101	117	14.7	123	122	0.8	70 - 130	30
2-Hexanone	ND	89	115	25.5	115	115	0.0	70 - 130	30
2-Isopropyltoluene	ND	100	119	17.4	124	124	0.0	70 - 130	30
4-Chlorotoluene	ND	99	114	14.1	123	121	1.6	70 - 130	30
4-Methyl-2-pentanone	ND	95	122	24.9	121	116	4.2	70 - 130	30
Acetone	ND	87	112	25.1	103	113	9.3	70 - 130	30
Acrylonitrile	ND	102	129	23.4	115	113	1.8	70 - 130	30
Benzene	ND	96	115	18.0	122	120	1.7	70 - 130	30
Bromobenzene	ND	101	119	16.4	121	121	0.0	70 - 130	30
Bromochloromethane	ND	99	121	20.0	118	118	0.0	70 - 130	30
Bromodichloromethane	ND	102	125	20.3	121	118	2.5	70 - 130	30
Bromoform	ND	100	128	24.6	120	118	1.7	70 - 130	30
Bromomethane	ND	105	126	18.2	48	74	42.6	70 - 130	30 m,r
Carbon Disulfide	ND	99	117	16.7	125	124	0.8	70 - 130	30
Carbon tetrachloride	ND	94	108	13.9	123	125	1.6	70 - 130	30
Chlorobenzene	ND	97	117	18.7	122	123	0.8	70 - 130	30
Chloroethane	ND	91	106	15.2	127	125	1.6	70 - 130	30
Chloroform	ND	98	118	18.5	123	123	0.0	70 - 130	30
Chloromethane	ND	78	90	14.3	97	99	2.0	70 - 130	30
cis-1,2-Dichloroethene	ND	100	121	19.0	137	137	0.0	70 - 130	30 m

QA/QC Data

SDG I.D.: GBG76349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	97	119	20.4	121	118	2.5	70 - 130	30
Dibromochloromethane	ND	102	126	21.1	119	119	0.0	70 - 130	30
Dibromomethane	ND	97	120	21.2	121	116	4.2	70 - 130	30
Dichlorodifluoromethane	ND	66	76	14.1	102	104	1.9	70 - 130	30
Ethylbenzene	ND	97	115	17.0	122	122	0.0	70 - 130	30
Hexachlorobutadiene	0.21 JB	98	112	13.3	113	125	10.1	70 - 130	30
Isopropylbenzene	ND	98	111	12.4	126	123	2.4	70 - 130	30
m&p-Xylene	ND	96	113	16.3	123	124	0.8	70 - 130	30
Methyl ethyl ketone	ND	90	114	23.5	110	107	2.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	101	129	24.3	128	127	0.8	70 - 130	30
Methylene chloride	ND	95	116	19.9	113	116	2.6	70 - 130	30
Naphthalene	ND	105	129	20.5	122	122	0.0	70 - 130	30
n-Butylbenzene	ND	94	106	12.0	124	125	0.8	70 - 130	30
n-Propylbenzene	ND	92	106	14.1	125	127	1.6	70 - 130	30
o-Xylene	ND	97	116	17.8	121	121	0.0	70 - 130	30
p-Isopropyltoluene	ND	96	110	13.6	126	126	0.0	70 - 130	30
sec-Butylbenzene	ND	100	115	14.0	126	126	0.0	70 - 130	30
Styrene	ND	98	118	18.5	120	120	0.0	70 - 130	30
tert-Butylbenzene	ND	98	113	14.2	126	125	0.8	70 - 130	30
Tetrachloroethene	ND	94	107	12.9	167	165	1.2	70 - 130	30
Tetrahydrofuran (THF)	ND	102	134	27.1	120	119	0.8	70 - 130	30
Toluene	ND	95	111	15.5	118	118	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	100	117	15.7	123	123	0.0	70 - 130	30
trans-1,3-Dichloropropene	ND	99	123	21.6	118	117	0.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	103	127	20.9	118	116	1.7	70 - 130	30
Trichloroethene	ND	96	113	16.3	131	129	1.5	70 - 130	30
Trichlorofluoromethane	ND	83	96	14.5	122	121	0.8	70 - 130	30
Trichlorotrifluoroethane	ND	92	107	15.1	114	114	0.0	70 - 130	30
Vinyl chloride	ND	84	97	14.4	119	120	0.8	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	100	0.0	100	99	1.0	70 - 130	30
% Bromofluorobenzene	100	99	100	1.0	96	100	4.1	70 - 130	30
% Dibromofluoromethane	100	100	104	3.9	99	101	2.0	70 - 130	30
% Toluene-d8	99	99	99	0.0	99	99	0.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 280192, QC Sample No: BG76351 (BG76349, BG76351)

Polynuclear Aromatic HC - Solid

Acenaphthene	ND	82	80	2.5	88	86	2.3	30 - 130	30
Acenaphthylene	ND	80	79	1.3	86	84	2.4	30 - 130	30
Anthracene	ND	84	81	3.6	88	89	1.1	30 - 130	30
Benz(a)anthracene	ND	85	82	3.6	90	90	0.0	30 - 130	30
Benzo(a)pyrene	ND	84	82	2.4	88	91	3.4	30 - 130	30
Benzo(b)fluoranthene	ND	82	78	5.0	88	90	2.2	30 - 130	30
Benzo(ghi)perylene	ND	93	91	2.2	88	85	3.5	30 - 130	30
Benzo(k)fluoranthene	ND	80	78	2.5	83	83	0.0	30 - 130	30
Chrysene	ND	87	84	3.5	90	92	2.2	30 - 130	30
Dibenz(a,h)anthracene	ND	92	90	2.2	91	90	1.1	30 - 130	30
Fluoranthene	ND	83	78	6.2	85	85	0.0	30 - 130	30
Fluorene	ND	83	80	3.7	89	87	2.3	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	93	91	2.2	92	90	2.2	30 - 130	30
Naphthalene	ND	76	73	4.0	82	81	1.2	30 - 130	30
Phenanthrene	ND	84	82	2.4	91	91	0.0	30 - 130	30

QA/QC Data

SDG I.D.: GBG76349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyrene	ND	83	77	7.5	84	84	0.0	30 - 130	30
% 2-Fluorobiphenyl	76	79	79	0.0	85	84	1.2	30 - 130	30
% Nitrobenzene-d5	75	72	70	2.8	75	73	2.7	30 - 130	30
% Terphenyl-d14	87	88	82	7.1	87	87	0.0	30 - 130	30

QA/QC Batch 280171, QC Sample No: BG76352 (BG76352, BG76353)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	96	95	1.0	92	87	5.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	97	97	0.0	94	87	7.7	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	85	106	102	3.8	109	100	8.6	30 - 150	30
% TCMX (Surrogate Rec)	79	102	99	3.0	88	83	5.8	30 - 150	30

QA/QC Batch 280282, QC Sample No: BG76531 (BG76349 (50X) , BG76350 (50X) , BG76351)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	92	95	3.2	93	78	17.5	70 - 130	30	
1,1,1-Trichloroethane	ND	95	93	2.1	98	77	24.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	119	113	5.2	124	115	7.5	70 - 130	30	
1,1,2-Trichloroethane	ND	104	103	1.0	100	90	10.5	70 - 130	30	
1,1-Dichloroethane	ND	109	114	4.5	100	80	22.2	70 - 130	30	
1,1-Dichloroethene	ND	105	101	3.9	94	74	23.8	70 - 130	30	
1,1-Dichloropropene	ND	102	100	2.0	105	80	27.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	109	101	7.6	63	55	13.6	70 - 130	30	m
1,2,3-Trichloropropane	ND	106	100	5.8	111	104	6.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	110	98	11.5	68	56	19.4	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	96	94	2.1	109	87	22.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	117	112	4.4	101	97	4.0	70 - 130	30	
1,2-Dibromoethane	ND	108	106	1.9	96	85	12.2	70 - 130	30	
1,2-Dichlorobenzene	ND	101	99	2.0	94	77	19.9	70 - 130	30	
1,2-Dichloroethane	ND	104	103	1.0	101	87	14.9	70 - 130	30	
1,2-Dichloropropane	ND	100	100	0.0	101	83	19.6	70 - 130	30	
1,3,5-Trimethylbenzene	ND	100	99	1.0	112	88	24.0	70 - 130	30	
1,3-Dichlorobenzene	ND	103	98	5.0	98	78	22.7	70 - 130	30	
1,3-Dichloropropane	ND	102	101	1.0	100	89	11.6	70 - 130	30	
1,4-Dichlorobenzene	ND	101	97	4.0	95	75	23.5	70 - 130	30	
2,2-Dichloropropane	ND	95	91	4.3	96	73	27.2	70 - 130	30	
2-Chlorotoluene	ND	99	97	2.0	110	86	24.5	70 - 130	30	
2-Hexanone	ND	116	105	10.0	106	104	1.9	70 - 130	30	
2-Isopropyltoluene	ND	97	98	1.0	105	82	24.6	70 - 130	30	
4-Chlorotoluene	ND	99	97	2.0	105	82	24.6	70 - 130	30	
4-Methyl-2-pentanone	ND	114	105	8.2	101	98	3.0	70 - 130	30	
Acetone	ND	107	94	12.9	124	130	4.7	70 - 130	30	
Acrylonitrile	ND	108	117	8.0	84	82	2.4	70 - 130	30	
Benzene	ND	100	100	0.0	103	81	23.9	70 - 130	30	
Bromobenzene	ND	101	101	0.0	107	87	20.6	70 - 130	30	
Bromochloromethane	ND	104	99	4.9	95	82	14.7	70 - 130	30	
Bromodichloromethane	ND	104	105	1.0	96	81	16.9	70 - 130	30	
Bromoform	ND	98	97	1.0	76	71	6.8	70 - 130	30	

QA/QC Data

SDG I.D.: GBG76349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromomethane	ND	92	94	2.2	94	74	23.8	70 - 130	30	
Carbon Disulfide	ND	110	107	2.8	81	60	29.8	70 - 130	30	m
Carbon tetrachloride	ND	84	87	3.5	85	67	23.7	70 - 130	30	m
Chlorobenzene	ND	99	100	1.0	100	80	22.2	70 - 130	30	
Chloroethane	ND	88	90	2.2	91	74	20.6	70 - 130	30	
Chloroform	ND	97	95	2.1	99	81	20.0	70 - 130	30	
Chloromethane	ND	90	88	2.2	86	68	23.4	70 - 130	30	m
cis-1,2-Dichloroethene	ND	103	100	3.0	97	79	20.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	101	2.0	88	71	21.4	70 - 130	30	
Dibromochloromethane	ND	100	101	1.0	87	77	12.2	70 - 130	30	
Dibromomethane	ND	105	102	2.9	97	86	12.0	70 - 130	30	
Dichlorodifluoromethane	ND	91	86	5.6	91	70	26.1	70 - 130	30	
Ethylbenzene	ND	102	101	1.0	104	81	24.9	70 - 130	30	
Hexachlorobutadiene	ND	110	106	3.7	76	60	23.5	70 - 130	30	m
Isopropylbenzene	ND	99	99	0.0	119	92	25.6	70 - 130	30	
m&p-Xylene	ND	100	99	1.0	103	80	25.1	70 - 130	30	
Methyl ethyl ketone	ND	107	88	19.5	103	108	4.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	148	147	0.7	92	84	9.1	70 - 130	30	l
Methylene chloride	ND	70	69	1.4	62	54	13.8	70 - 130	30	l,m
Naphthalene	ND	117	111	5.3	80	72	10.5	70 - 130	30	
n-Butylbenzene	ND	98	92	6.3	99	77	25.0	70 - 130	30	
n-Propylbenzene	ND	95	92	3.2	114	87	26.9	70 - 130	30	
o-Xylene	ND	102	101	1.0	104	83	22.5	70 - 130	30	
p-Isopropyltoluene	ND	100	97	3.0	108	85	23.8	70 - 130	30	
sec-Butylbenzene	ND	100	101	1.0	110	85	25.6	70 - 130	30	
Styrene	ND	105	104	1.0	91	72	23.3	70 - 130	30	
tert-Butylbenzene	ND	98	100	2.0	116	90	25.2	70 - 130	30	
Tetrachloroethene	ND	103	100	3.0	105	82	24.6	70 - 130	30	
Tetrahydrofuran (THF)	ND	109	96	12.7	88	89	1.1	70 - 130	30	
Toluene	ND	100	100	0.0	102	80	24.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	101	2.9	91	70	26.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	105	103	1.9	85	70	19.4	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	99	92	7.3	66	59	11.2	70 - 130	30	m
Trichloroethene	ND	102	102	0.0	98	76	25.3	70 - 130	30	
Trichlorofluoromethane	ND	99	97	2.0	95	75	23.5	70 - 130	30	
Trichlorotrifluoroethane	ND	110	107	2.8	100	77	26.0	70 - 130	30	
Vinyl chloride	ND	96	93	3.2	92	71	25.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	101	99	2.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	98	102	101	1.0	96	96	0.0	70 - 130	30	
% Dibromofluoromethane	99	106	104	1.9	107	110	2.8	70 - 130	30	
% Toluene-d8	100	100	100	0.0	99	100	1.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

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.: GBG76349

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD 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

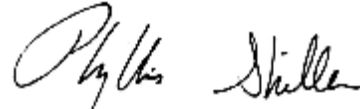
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
July 22, 2014

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBG76349 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG76349	\$8260SMR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	260	260	ug/Kg
BG76349	\$8260SMR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	360	210	210	ug/Kg
BG76349	\$8260SMR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	270	270	ug/Kg
BG76349	\$8260SMR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	20	20	ug/Kg
BG76349	\$8260SMR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	190	190	ug/Kg
BG76349	\$8260SMR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	50	50	ug/Kg
BG76349	\$8260SMR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	250	250	ug/Kg
BG76349	\$8260SMR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	60	60	ug/Kg
BG76349	\$8260SMR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1800	50	50	ug/Kg
BG76349	\$8260SMR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	20	20	ug/Kg
BG76349	\$8260SMR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1800	120	120	ug/Kg
BG76349	\$8260SMR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	360	330	330	ug/Kg
BG76349	\$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2200	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	340	330	330	ug/Kg
BG76349	\$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	680	340	500	500	ug/Kg
BG76349	\$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2600	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3400	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2600	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	340	330	330	ug/Kg
BG76349	\$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	3400	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	680	340	500	500	ug/Kg
BG76349	\$8270SSR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	680	340	500	500	ug/Kg
BG76349	\$8270SSR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1000	340	800	800	ug/Kg
BG76349	\$8270SSR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	340	1000	1000	ug/Kg
BG76349	\$8270SSR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	340	330	330	ug/Kg
BG76349	\$8270SSR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	340	1000	1000	ug/Kg
BG76350	\$8260SMR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	260	260	ug/Kg
BG76350	\$8260SMR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	340	210	210	ug/Kg
BG76350	\$8260SMR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	20	20	ug/Kg
BG76350	\$8260SMR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	190	190	ug/Kg
BG76350	\$8260SMR	tert-Butylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	8600	6800	5900	5900	ug/Kg
BG76350	\$8260SMR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1700	120	120	ug/Kg
BG76350	\$8260SMR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	250	250	ug/Kg
BG76350	\$8260SMR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	60	60	ug/Kg
BG76350	\$8260SMR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	1700	50	50	ug/Kg
BG76350	\$8260SMR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	20	20	ug/Kg
BG76350	\$8260SMR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	330	330	ug/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375RRS, 375RS

GBG76349 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG76350	\$8260SMR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	270	270	ug/Kg
BG76350	\$8260SMR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	50	50	ug/Kg
BG76352	PB-SM	Lead	NY / 375-6.8 Metals / Residential	4120	39	400	400	mg/Kg
BG76352	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	4120	39	400	400	mg/Kg
BG76352	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	4120	39	63	63	mg/Kg
BG76352	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	9.79	0.10	5	5	mg/L
BG76353	\$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	800	78	100	100	ug/Kg
BG76353	PB-SM	Lead	NY / 375-6.8 Metals / Residential	492	4.1	400	400	mg/Kg
BG76353	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	492	4.1	400	400	mg/Kg
BG76353	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	492	4.1	63	63	mg/Kg

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



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



NY Temperature Narration

July 22, 2014

SDG I.D.: GBG76349

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

Coolant: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp 4° C Pg of

Contact Options:

Fax: ☐
Phone: ☐
Email: ☒ F: 12

Customer: ABC Project P.O.: 262 Green St Brooklyn NY
Address: Bridge NY Report to:
Invoice to:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [Signature] Date: 7-10-14
Matrix Code: SW = Ground Water SW = Surface Water WW = Waste Water
DW = Drinking Water SE = Sediment SL = Sludge S = Soil SD = Solid W = Wipe
Oil = Oil B = Bulk L = Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
710349	B3 7-10'	S	7-15	720	X
710350	B3 10-13'	S	7-15	730	X
710351	B6 15-17'	S	7-15	1230	X
710352	B6 3-5 F:11	S	7-15	1200	X
710353	B3 0-2 F:11	S	7-15	710	X
710354	B3	SW	7-15	800	X
710355	B6	SW	7-15	1300	X

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>7-16-14</u>	Time: <u>12:11</u>
Comments, Special Requirements or Regulations: <u>ABC B3 10-13' SW only</u>			
Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☒ 5 Days ☐ 10 Days ☐ Other		Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil Cleanup Criteria ☐ GW Criteria	
NY TAGM 4046 GW ☐ TAGM 4046 SOIL ☐ NY375 Unrestricted Use Soil ☐ NY375 Residential Soil ☒ Restricted/Residential Commercial ☐ Industrial ☐		Data Format ☐ Phoenix Std Report ☒ Excel ☒ PDF ☐ GIS/Key ☐ EQUIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other ☐	
Data Package ☐ NJ Reduced Deliv. * ☐ NY Enhanced (ASP B) * ☐ Other ☐		State where samples were collected: <u>NY</u>	



Thursday, August 28, 2014

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

Project ID: 262 GREEN ST BROOKLYN NY
Sample ID#s: BG91475 - BG91479

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, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

August 28, 2014

SDG I.D.: GBG91475

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

8260 Volatile Organics:

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

BG91475 - The pH in the preserved vial was greater than 2 and contained headspace in the vials.

A negative bias can not be ruled out.

BG91476 - The pH in the preserved vial was greater than 2.

BG91478 - The pH in the preserved vial was greater than 2.



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: 262 GREEN ST BROOKLYN NY
Laboratory Project: GBG91475



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

August 28, 2014

SDG I.D.: GBG91475

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

Methodology Summary

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 GW	BG91475	GROUND WATER
B4 GW	BG91476	GROUND WATER
B5 GW	BG91477	GROUND WATER
B7 GW	BG91478	GROUND WATER
B8 GW	BG91479	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

August 28, 2014

SDG I.D.: GBG91475

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

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
BG91475	Volatiles	08/07/14	08/14/14	08/14/14	MH	Y
BG91476	Volatiles	08/07/14	08/14/14	08/14/14	MH	Y
BG91477	Volatiles	08/07/14	08/14/14	08/14/14	MH	Y
BG91478	Volatiles	08/07/14	08/14/14	08/14/14	MH	Y
BG91479	Volatiles	08/07/14	08/14/14	08/14/14	MH	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

August 28, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

8:50
16:20

Laboratory Data

SDG ID: GBG91475
Phoenix ID: BG91475

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B1 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	08/14/14	M/P	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,3-Dichlorobenzene	ND	3.0	0.19	ug/L	08/14/14	M/P	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	08/14/14	M/P	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260

Client ID: B1 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	4.1 JS	5.0	0.31	ug/L	08/14/14	M/P	SW8260
Acrolein	ND	5.0	0.95	ug/L	08/14/14	M/P	SW8260
Acrylonitrile	ND	5.0	0.17	ug/L	08/14/14	M/P	SW8260
Benzene	0.51 J	0.70	0.19	ug/L	08/14/14	M/P	SW8260
Bromobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
Bromochloromethane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
Bromodichloromethane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
Bromoform	ND	5.0	0.10	ug/L	08/14/14	M/P	SW8260
Bromomethane	ND	5.0	0.50	ug/L	08/14/14	M/P	SW8260
Carbon Disulfide	1.3	1.0	0.24	ug/L	08/14/14	M/P	SW8260
Carbon tetrachloride	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Chlorobenzene	ND	5.0	0.20	ug/L	08/14/14	M/P	SW8260
Chloroethane	ND	5.0	0.24	ug/L	08/14/14	M/P	SW8260
Chloroform	ND	5.0	0.22	ug/L	08/14/14	M/P	SW8260
Chloromethane	ND	5.0	0.21	ug/L	08/14/14	M/P	SW8260
cis-1,2-Dichloroethene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
cis-1,3-Dichloropropene	ND	0.40	0.15	ug/L	08/14/14	M/P	SW8260
Dibromochloromethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
Dibromomethane	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Dichlorodifluoromethane	ND	1.0	0.26	ug/L	08/14/14	M/P	SW8260
Ethylbenzene	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
Hexachlorobutadiene	ND	0.50	0.13	ug/L	08/14/14	M/P	SW8260
Isopropylbenzene	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
m&p-Xylene	ND	1.0	0.42	ug/L	08/14/14	M/P	SW8260
Methyl ethyl ketone	ND	1.0	0.50	ug/L	08/14/14	M/P	SW8260
Methyl t-butyl ether (MTBE)	0.62 J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
Methylene chloride	0.27 JS	3.0	0.16	ug/L	08/14/14	M/P	SW8260
Naphthalene	0.35 J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
n-Butylbenzene	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
n-Propylbenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
o-Xylene	ND	1.0	0.45	ug/L	08/14/14	M/P	SW8260
p-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
sec-Butylbenzene	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
Styrene	ND	1.0	0.41	ug/L	08/14/14	M/P	SW8260
tert-Butylbenzene	1.4	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Tetrachloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
Tetrahydrofuran (THF)	ND	5.0	0.51	ug/L	08/14/14	M/P	SW8260
Toluene	0.25 J	1.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,2-Dichloroethene	ND	5.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,3-Dichloropropene	ND	0.40	0.14	ug/L	08/14/14	M/P	SW8260
trans-1,4-dichloro-2-butene	ND	1.0	0.45	ug/L	08/14/14	M/P	SW8260
Trichloroethene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
Trichlorofluoromethane	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Trichlorotrifluoroethane	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Vinyl chloride	ND	1.0	0.14	ug/L	08/14/14	M/P	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	08/14/14	M/P	70 - 121 %
% Bromofluorobenzene	94			%	08/14/14	M/P	59 - 113 %
% Dibromofluoromethane	91			%	08/14/14	M/P	70 - 130 %

1

Client ID: B1 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	97			%	08/14/14	M/P	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.

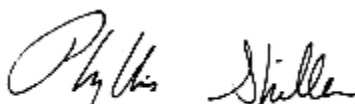
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

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.

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



Phyllis Shiller, Laboratory Director

August 28, 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

August 28, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

9:40
16:20

Laboratory Data

SDG ID: GBG91475
Phoenix ID: BG91476

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B4 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	08/14/14	M/P	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,3-Dichlorobenzene	ND	3.0	0.19	ug/L	08/14/14	M/P	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	08/14/14	M/P	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	10	S	5.0	0.31	ug/L	08/14/14	M/P	SW8260
Acrolein	ND		5.0	0.95	ug/L	08/14/14	M/P	SW8260
Acrylonitrile	ND		5.0	0.17	ug/L	08/14/14	M/P	SW8260
Benzene	0.59	J	0.70	0.19	ug/L	08/14/14	M/P	SW8260
Bromobenzene	ND		1.0	0.20	ug/L	08/14/14	M/P	SW8260
Bromochloromethane	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
Bromodichloromethane	ND		1.0	0.16	ug/L	08/14/14	M/P	SW8260
Bromoform	ND		5.0	0.10	ug/L	08/14/14	M/P	SW8260
Bromomethane	ND		5.0	0.50	ug/L	08/14/14	M/P	SW8260
Carbon Disulfide	ND		1.0	0.24	ug/L	08/14/14	M/P	SW8260
Carbon tetrachloride	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Chlorobenzene	ND		5.0	0.20	ug/L	08/14/14	M/P	SW8260
Chloroethane	ND		5.0	0.24	ug/L	08/14/14	M/P	SW8260
Chloroform	ND		5.0	0.22	ug/L	08/14/14	M/P	SW8260
Chloromethane	ND		5.0	0.21	ug/L	08/14/14	M/P	SW8260
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	08/14/14	M/P	SW8260
Dibromochloromethane	ND		1.0	0.15	ug/L	08/14/14	M/P	SW8260
Dibromomethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	08/14/14	M/P	SW8260
Ethylbenzene	ND		1.0	0.19	ug/L	08/14/14	M/P	SW8260
Hexachlorobutadiene	ND		0.50	0.13	ug/L	08/14/14	M/P	SW8260
Isopropylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
m&p-Xylene	ND		1.0	0.42	ug/L	08/14/14	M/P	SW8260
Methyl ethyl ketone	ND		1.0	0.50	ug/L	08/14/14	M/P	SW8260
Methyl t-butyl ether (MTBE)	0.25	J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
Methylene chloride	0.33	JS	3.0	0.16	ug/L	08/14/14	M/P	SW8260
Naphthalene	0.70	J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
n-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
n-Propylbenzene	ND		1.0	0.20	ug/L	08/14/14	M/P	SW8260
o-Xylene	ND		1.0	0.45	ug/L	08/14/14	M/P	SW8260
p-Isopropyltoluene	ND		1.0	0.21	ug/L	08/14/14	M/P	SW8260
sec-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
Styrene	ND		1.0	0.41	ug/L	08/14/14	M/P	SW8260
tert-Butylbenzene	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Tetrachloroethene	ND		1.0	0.24	ug/L	08/14/14	M/P	SW8260
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	08/14/14	M/P	SW8260
Toluene	0.20	J	1.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	08/14/14	M/P	SW8260
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	08/14/14	M/P	SW8260
Trichloroethene	ND		1.0	0.18	ug/L	08/14/14	M/P	SW8260
Trichlorofluoromethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Vinyl chloride	ND		1.0	0.14	ug/L	08/14/14	M/P	SW8260
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101				%	08/14/14	M/P	70 - 121 %
% Bromofluorobenzene	96				%	08/14/14	M/P	59 - 113 %
% Dibromofluoromethane	97				%	08/14/14	M/P	70 - 130 %

1

Client ID: B4 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	98			%	08/14/14	M/P	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.

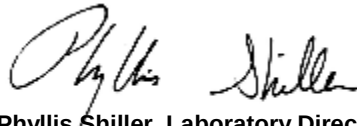
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

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.

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



Phyllis Shiller, Laboratory Director

August 28, 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

August 28, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

10:25
16:20

Laboratory Data

SDG ID: GBG91475
Phoenix ID: BG91477

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B5 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	08/14/14	M/P	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,3-Dichlorobenzene	ND	3.0	0.19	ug/L	08/14/14	M/P	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	08/14/14	M/P	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	7.9	S	5.0	0.31	ug/L	08/14/14	M/P SW8260
Acrolein	ND		5.0	0.95	ug/L	08/14/14	M/P SW8260
Acrylonitrile	ND		5.0	0.17	ug/L	08/14/14	M/P SW8260
Benzene	ND		0.70	0.19	ug/L	08/14/14	M/P SW8260
Bromobenzene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
Bromochloromethane	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
Bromodichloromethane	ND		1.0	0.16	ug/L	08/14/14	M/P SW8260
Bromoform	ND		5.0	0.10	ug/L	08/14/14	M/P SW8260
Bromomethane	ND		5.0	0.50	ug/L	08/14/14	M/P SW8260
Carbon Disulfide	0.71	J	1.0	0.24	ug/L	08/14/14	M/P SW8260
Carbon tetrachloride	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Chlorobenzene	ND		5.0	0.20	ug/L	08/14/14	M/P SW8260
Chloroethane	ND		5.0	0.24	ug/L	08/14/14	M/P SW8260
Chloroform	ND		5.0	0.22	ug/L	08/14/14	M/P SW8260
Chloromethane	ND		5.0	0.21	ug/L	08/14/14	M/P SW8260
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	08/14/14	M/P SW8260
Dibromochloromethane	ND		1.0	0.15	ug/L	08/14/14	M/P SW8260
Dibromomethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	08/14/14	M/P SW8260
Ethylbenzene	ND		1.0	0.19	ug/L	08/14/14	M/P SW8260
Hexachlorobutadiene	ND		0.50	0.13	ug/L	08/14/14	M/P SW8260
Isopropylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
m&p-Xylene	ND		1.0	0.42	ug/L	08/14/14	M/P SW8260
Methyl ethyl ketone	ND		1.0	0.50	ug/L	08/14/14	M/P SW8260
Methyl t-butyl ether (MTBE)	ND		1.0	0.19	ug/L	08/14/14	M/P SW8260
Methylene chloride	ND		3.0	0.16	ug/L	08/14/14	M/P SW8260
Naphthalene	0.21	J	1.0	0.19	ug/L	08/14/14	M/P SW8260
n-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
n-Propylbenzene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
o-Xylene	ND		1.0	0.45	ug/L	08/14/14	M/P SW8260
p-Isopropyltoluene	ND		1.0	0.21	ug/L	08/14/14	M/P SW8260
sec-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
Styrene	ND		1.0	0.41	ug/L	08/14/14	M/P SW8260
tert-Butylbenzene	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Tetrachloroethene	ND		1.0	0.24	ug/L	08/14/14	M/P SW8260
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	08/14/14	M/P SW8260
Toluene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	08/14/14	M/P SW8260
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	08/14/14	M/P SW8260
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	08/14/14	M/P SW8260
Trichloroethene	ND		1.0	0.18	ug/L	08/14/14	M/P SW8260
Trichlorofluoromethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Vinyl chloride	ND		1.0	0.14	ug/L	08/14/14	M/P SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	08/14/14	M/P	70 - 121 %
% Bromofluorobenzene	96			%	08/14/14	M/P	59 - 113 %
% Dibromofluoromethane	97			%	08/14/14	M/P	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	98			%	08/14/14	M/P	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.

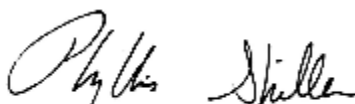
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

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.

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



Phyllis Shiller, Laboratory Director

August 28, 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

August 28, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

11:50
16:20

Laboratory Data

SDG ID: GBG91475
Phoenix ID: BG91478

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B7 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	08/14/14	M/P	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,3-Dichlorobenzene	ND	3.0	0.19	ug/L	08/14/14	M/P	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	08/14/14	M/P	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	11	S	5.0	0.31	ug/L	08/14/14	M/P SW8260
Acrolein	ND		5.0	0.95	ug/L	08/14/14	M/P SW8260
Acrylonitrile	ND		5.0	0.17	ug/L	08/14/14	M/P SW8260
Benzene	ND		0.70	0.19	ug/L	08/14/14	M/P SW8260
Bromobenzene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
Bromochloromethane	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
Bromodichloromethane	ND		1.0	0.16	ug/L	08/14/14	M/P SW8260
Bromoform	ND		5.0	0.10	ug/L	08/14/14	M/P SW8260
Bromomethane	ND		5.0	0.50	ug/L	08/14/14	M/P SW8260
Carbon Disulfide	0.25	J	1.0	0.24	ug/L	08/14/14	M/P SW8260
Carbon tetrachloride	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Chlorobenzene	ND		5.0	0.20	ug/L	08/14/14	M/P SW8260
Chloroethane	ND		5.0	0.24	ug/L	08/14/14	M/P SW8260
Chloroform	ND		5.0	0.22	ug/L	08/14/14	M/P SW8260
Chloromethane	ND		5.0	0.21	ug/L	08/14/14	M/P SW8260
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	08/14/14	M/P SW8260
Dibromochloromethane	ND		1.0	0.15	ug/L	08/14/14	M/P SW8260
Dibromomethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	08/14/14	M/P SW8260
Ethylbenzene	ND		1.0	0.19	ug/L	08/14/14	M/P SW8260
Hexachlorobutadiene	ND		0.50	0.13	ug/L	08/14/14	M/P SW8260
Isopropylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
m&p-Xylene	ND		1.0	0.42	ug/L	08/14/14	M/P SW8260
Methyl ethyl ketone	ND		1.0	0.50	ug/L	08/14/14	M/P SW8260
Methyl t-butyl ether (MTBE)	0.43	J	1.0	0.19	ug/L	08/14/14	M/P SW8260
Methylene chloride	0.53	JS	3.0	0.16	ug/L	08/14/14	M/P SW8260
Naphthalene	18		1.0	0.19	ug/L	08/14/14	M/P SW8260
n-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
n-Propylbenzene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
o-Xylene	ND		1.0	0.45	ug/L	08/14/14	M/P SW8260
p-Isopropyltoluene	ND		1.0	0.21	ug/L	08/14/14	M/P SW8260
sec-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P SW8260
Styrene	ND		1.0	0.41	ug/L	08/14/14	M/P SW8260
tert-Butylbenzene	0.32	J	1.0	0.23	ug/L	08/14/14	M/P SW8260
Tetrachloroethene	ND		1.0	0.24	ug/L	08/14/14	M/P SW8260
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	08/14/14	M/P SW8260
Toluene	ND		1.0	0.20	ug/L	08/14/14	M/P SW8260
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	08/14/14	M/P SW8260
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	08/14/14	M/P SW8260
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	08/14/14	M/P SW8260
Trichloroethene	3.1		1.0	0.18	ug/L	08/14/14	M/P SW8260
Trichlorofluoromethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	08/14/14	M/P SW8260
Vinyl chloride	ND		1.0	0.14	ug/L	08/14/14	M/P SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	08/14/14	M/P	70 - 121 %
% Bromofluorobenzene	98			%	08/14/14	M/P	59 - 113 %
% Dibromofluoromethane	101			%	08/14/14	M/P	70 - 130 %

1

Client ID: B7 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	99			%	08/14/14	M/P	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.

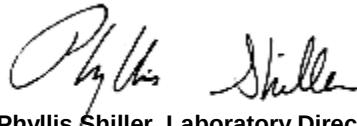
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

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.

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



Phyllis Shiller, Laboratory Director

August 28, 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

August 28, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

12:30
16:20

Laboratory Data

SDG ID: GBG91475
Phoenix ID: BG91479

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B8 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,1-Trichloroethane	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	0.15	ug/L	08/14/14	M/P	SW8260
1,1,2-Trichloroethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethane	ND	5.0	0.23	ug/L	08/14/14	M/P	SW8260
1,1-Dichloroethene	ND	1.0	0.24	ug/L	08/14/14	M/P	SW8260
1,1-Dichloropropene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichlorobenzene	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2,3-Trichloropropane	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,2,4-Trichlorobenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2,4-Trimethylbenzene	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	0.36	ug/L	08/14/14	M/P	SW8260
1,2-Dibromoethane	ND	1.0	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichlorobenzene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
1,2-Dichloroethane	ND	0.60	0.20	ug/L	08/14/14	M/P	SW8260
1,2-Dichloropropane	ND	1.0	0.18	ug/L	08/14/14	M/P	SW8260
1,3,5-Trimethylbenzene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
1,3-Dichlorobenzene	ND	3.0	0.19	ug/L	08/14/14	M/P	SW8260
1,3-Dichloropropane	ND	1.0	0.22	ug/L	08/14/14	M/P	SW8260
1,4-Dichlorobenzene	ND	5.0	0.19	ug/L	08/14/14	M/P	SW8260
2,2-Dichloropropane	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
2-Chlorotoluene	ND	1.0	0.23	ug/L	08/14/14	M/P	SW8260
2-Hexanone	ND	1.0	0.27	ug/L	08/14/14	M/P	SW8260
2-Isopropyltoluene	ND	1.0	0.21	ug/L	08/14/14	M/P	SW8260
4-Chlorotoluene	ND	1.0	0.16	ug/L	08/14/14	M/P	SW8260
4-Methyl-2-pentanone	ND	1.0	0.19	ug/L	08/14/14	M/P	SW8260

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acetone	8.3	S	5.0	0.31	ug/L	08/14/14	M/P	SW8260
Acrolein	ND		5.0	0.95	ug/L	08/14/14	M/P	SW8260
Acrylonitrile	ND		5.0	0.17	ug/L	08/14/14	M/P	SW8260
Benzene	ND		0.70	0.19	ug/L	08/14/14	M/P	SW8260
Bromobenzene	ND		1.0	0.20	ug/L	08/14/14	M/P	SW8260
Bromochloromethane	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
Bromodichloromethane	ND		1.0	0.16	ug/L	08/14/14	M/P	SW8260
Bromoform	ND		5.0	0.10	ug/L	08/14/14	M/P	SW8260
Bromomethane	ND		5.0	0.50	ug/L	08/14/14	M/P	SW8260
Carbon Disulfide	0.65	J	1.0	0.24	ug/L	08/14/14	M/P	SW8260
Carbon tetrachloride	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Chlorobenzene	ND		5.0	0.20	ug/L	08/14/14	M/P	SW8260
Chloroethane	ND		5.0	0.24	ug/L	08/14/14	M/P	SW8260
Chloroform	ND		5.0	0.22	ug/L	08/14/14	M/P	SW8260
Chloromethane	ND		5.0	0.21	ug/L	08/14/14	M/P	SW8260
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
cis-1,3-Dichloropropene	ND		0.40	0.15	ug/L	08/14/14	M/P	SW8260
Dibromochloromethane	ND		1.0	0.15	ug/L	08/14/14	M/P	SW8260
Dibromomethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Dichlorodifluoromethane	ND		1.0	0.26	ug/L	08/14/14	M/P	SW8260
Ethylbenzene	ND		1.0	0.19	ug/L	08/14/14	M/P	SW8260
Hexachlorobutadiene	ND		0.50	0.13	ug/L	08/14/14	M/P	SW8260
Isopropylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
m&p-Xylene	ND		1.0	0.42	ug/L	08/14/14	M/P	SW8260
Methyl ethyl ketone	ND		1.0	0.50	ug/L	08/14/14	M/P	SW8260
Methyl t-butyl ether (MTBE)	0.34	J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
Methylene chloride	ND		3.0	0.16	ug/L	08/14/14	M/P	SW8260
Naphthalene	0.42	J	1.0	0.19	ug/L	08/14/14	M/P	SW8260
n-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
n-Propylbenzene	ND		1.0	0.20	ug/L	08/14/14	M/P	SW8260
o-Xylene	ND		1.0	0.45	ug/L	08/14/14	M/P	SW8260
p-Isopropyltoluene	ND		1.0	0.21	ug/L	08/14/14	M/P	SW8260
sec-Butylbenzene	ND		1.0	0.22	ug/L	08/14/14	M/P	SW8260
Styrene	ND		1.0	0.41	ug/L	08/14/14	M/P	SW8260
tert-Butylbenzene	0.50	J	1.0	0.23	ug/L	08/14/14	M/P	SW8260
Tetrachloroethene	ND		1.0	0.24	ug/L	08/14/14	M/P	SW8260
Tetrahydrofuran (THF)	ND		5.0	0.51	ug/L	08/14/14	M/P	SW8260
Toluene	ND		1.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L	08/14/14	M/P	SW8260
trans-1,3-Dichloropropene	ND		0.40	0.14	ug/L	08/14/14	M/P	SW8260
trans-1,4-dichloro-2-butene	ND		1.0	0.45	ug/L	08/14/14	M/P	SW8260
Trichloroethene	ND		1.0	0.18	ug/L	08/14/14	M/P	SW8260
Trichlorofluoromethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Trichlorotrifluoroethane	ND		1.0	0.23	ug/L	08/14/14	M/P	SW8260
Vinyl chloride	ND		1.0	0.14	ug/L	08/14/14	M/P	SW8260
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102				%	08/14/14	M/P	70 - 121 %
% Bromofluorobenzene	100				%	08/14/14	M/P	59 - 113 %
% Dibromofluoromethane	103				%	08/14/14	M/P	70 - 130 %

1

Client ID: B8 GW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	97			%	08/14/14	M/P	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.

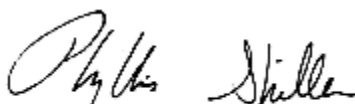
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

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.

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



Phyllis Shiller, Laboratory Director

August 28, 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

August 28, 2014

QA/QC Data

SDG I.D.: GBG91475

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 283372, QC Sample No: BG93083 (BG91475, BG91476, BG91477, BG91478, BG91479)									
Volatiles - Ground Water									
1,1,1,2-Tetrachloroethane	ND	112	112	0.0	114	117	2.6	70 - 130	30
1,1,1-Trichloroethane	ND	105	102	2.9	117	121	3.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	104	113	8.3	110	114	3.6	70 - 130	30
1,1,2-Trichloroethane	ND	99	106	6.8	113	118	4.3	70 - 130	30
1,1-Dichloroethane	ND	101	99	2.0	109	115	5.4	70 - 130	30
1,1-Dichloroethene	ND	111	105	5.6	121	126	4.0	70 - 130	30
1,1-Dichloropropene	ND	108	102	5.7	120	123	2.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	103	111	7.5	118	129	8.9	70 - 130	30
1,2,3-Trichloropropane	ND	103	109	5.7	108	114	5.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	105	110	4.7	119	127	6.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	107	105	1.9	116	119	2.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	104	108	3.8	116	121	4.2	70 - 130	30
1,2-Dibromoethane	ND	99	110	10.5	113	118	4.3	70 - 130	30
1,2-Dichlorobenzene	ND	106	108	1.9	111	118	6.1	70 - 130	30
1,2-Dichloroethane	ND	94	99	5.2	104	107	2.8	70 - 130	30
1,2-Dichloropropane	ND	100	102	2.0	109	113	3.6	70 - 130	30
1,3,5-Trimethylbenzene	ND	114	109	4.5	118	122	3.3	70 - 130	30
1,3-Dichlorobenzene	ND	110	108	1.8	113	121	6.8	70 - 130	30
1,3-Dichloropropane	ND	100	105	4.9	111	116	4.4	70 - 130	30
1,4-Dichlorobenzene	ND	107	105	1.9	114	117	2.6	70 - 130	30
2,2-Dichloropropane	ND	107	103	3.8	100	105	4.9	70 - 130	30
2-Chlorotoluene	ND	115	107	7.2	116	121	4.2	70 - 130	30
2-Hexanone	ND	77	85	9.9	103	105	1.9	70 - 130	30
2-Isopropyltoluene	ND	109	107	1.9	122	126	3.2	70 - 130	30
4-Chlorotoluene	ND	112	109	2.7	115	121	5.1	70 - 130	30
4-Methyl-2-pentanone	ND	77	89	14.5	104	107	2.8	70 - 130	30
Acetone	ND	76	82	7.6	90	92	2.2	70 - 130	30
Acrolein	ND	89	100	11.6	72	74	2.7	70 - 130	30
Acrylonitrile	ND	91	103	12.4	111	115	3.5	70 - 130	30
Benzene	ND	108	105	2.8	113	119	5.2	70 - 130	30
Bromobenzene	ND	111	110	0.9	115	121	5.1	70 - 130	30
Bromochloromethane	ND	101	108	6.7	114	120	5.1	70 - 130	30
Bromodichloromethane	ND	105	108	2.8	110	113	2.7	70 - 130	30
Bromoform	ND	110	118	7.0	114	121	6.0	70 - 130	30
Bromomethane	ND	121	122	0.8	45	73	47.5	70 - 130	30 m,r
Carbon Disulfide	ND	109	107	1.9	119	125	4.9	70 - 130	30
Carbon tetrachloride	ND	113	106	6.4	122	129	5.6	70 - 130	30
Chlorobenzene	ND	109	107	1.9	114	119	4.3	70 - 130	30
Chloroethane	ND	102	98	4.0	101	106	4.8	70 - 130	30
Chloroform	ND	102	101	1.0	110	115	4.4	70 - 130	30
Chloromethane	ND	100	95	5.1	86	93	7.8	70 - 130	30

QA/QC Data

SDG I.D.: GBG91475

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,2-Dichloroethene	ND	106	107	0.9	115	121	5.1	70 - 130	30
cis-1,3-Dichloropropene	ND	101	107	5.8	107	111	3.7	70 - 130	30
Dibromochloromethane	ND	112	117	4.4	112	118	5.2	70 - 130	30
Dibromomethane	ND	97	106	8.9	112	116	3.5	70 - 130	30
Dichlorodifluoromethane	ND	96	92	4.3	105	109	3.7	70 - 130	30
Ethylbenzene	ND	116	110	5.3	118	122	3.3	70 - 130	30
Hexachlorobutadiene	ND	110	113	2.7	112	129	14.1	70 - 130	30
Isopropylbenzene	ND	117	107	8.9	121	126	4.0	70 - 130	30
m&p-Xylene	ND	111	106	4.6	116	119	2.6	70 - 130	30
Methyl ethyl ketone	ND	79	89	11.9	102	103	1.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	94	105	11.1	111	116	4.4	70 - 130	30
Methylene chloride	ND	90	94	4.3	100	103	3.0	70 - 130	30
Naphthalene	ND	105	114	8.2	119	126	5.7	70 - 130	30
n-Butylbenzene	ND	103	103	0.0	118	123	4.1	70 - 130	30
n-Propylbenzene	ND	111	103	7.5	122	127	4.0	70 - 130	30
o-Xylene	ND	112	109	2.7	117	120	2.5	70 - 130	30
p-Isopropyltoluene	ND	108	108	0.0	119	124	4.1	70 - 130	30
sec-Butylbenzene	ND	113	109	3.6	121	128	5.6	70 - 130	30
Styrene	ND	110	109	0.9	106	110	3.7	70 - 130	30
tert-Butylbenzene	ND	111	107	3.7	119	126	5.7	70 - 130	30
Tetrachloroethene	ND	115	108	6.3	125	129	3.1	70 - 130	30
Tetrahydrofuran (THF)	ND	80	91	12.9	98	101	3.0	70 - 130	30
Toluene	ND	108	106	1.9	116	119	2.6	70 - 130	30
trans-1,2-Dichloroethene	ND	114	112	1.8	120	126	4.9	70 - 130	30
trans-1,3-Dichloropropene	ND	98	107	8.8	104	108	3.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	100	108	7.7	87	91	4.5	70 - 130	30
Trichloroethene	ND	114	107	6.3	118	124	5.0	70 - 130	30
Trichlorofluoromethane	ND	99	94	5.2	114	119	4.3	70 - 130	30
Trichlorotrifluoroethane	ND	99	97	2.0	130	138	6.0	70 - 130	30
Vinyl chloride	ND	101	97	4.0	103	108	4.7	70 - 130	30
% 1,2-dichlorobenzene-d4	100	97	100	3.0	98	100	2.0	70 - 121	30
% Bromofluorobenzene	98	96	99	3.1	98	98	0.0	59 - 113	30
% Dibromofluoromethane	101	94	99	5.2	99	99	0.0	70 - 130	30
% Toluene-d8	97	99	99	0.0	99	98	1.0	84 - 138	30

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
August 28, 2014

Sample Criteria Exceedences Report**GBG91475 - EBC**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91475	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG91475	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91475	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91476	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG91476	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91476	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91477	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG91477	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91477	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91478	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG91478	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91478	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91478	\$8260DP25R	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	18	1.0	5	5	ug/L
BG91478	\$8260DP25R	Naphthalene	NY / TOGS - Water Quality / GA Criteria	18	1.0	10	10	ug/L
BG91479	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BG91479	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BG91479	\$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

August 28, 2014

SDG I.D.: GBG91475

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: ERC
Address: Ridge, NY

Project: 262 Green St Brooklyn NY Project P.O.
Report to:
Invoice to:

Contact Options:

Fax: ☐
Phone: ☐
Email: ☒

File

Coolant: IPK ☒ Yes ☐ No
Cooler: ICE ☒ Yes ☐ No

Temp 4°C Pg of

This section **MUST** be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [Signature] Date: 8-11-14
Matrix Code: B1 GW
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
OIL=Oil B=Bulk L=Liquid

Analysis Request

GL VOA Vial [methanol] 100ml
GL Soil container () oz
GL VOA Vial [methanol] 100ml
GL Soil container () oz
GL Amber 100ml Vial [Asie] [H2SO4] 100ml
PL Asie [] 250ml [] 500ml [] 1000ml
PL H2SO4 [] 250ml [] 500ml [] 1000ml
Bacteria Bottle

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
91475	B1 GW	GW	8-11-14	8:50
91476	B4 GW			9:40
91477	B5 GW			10:28
91478	B7 GW			11:50
91479	B8 GW			12:30

Relinquished by: [Signature] Accepted by: [Signature]
Date: 8-11-14 Time: 11:10
Date: 8-11-14 Time: 11:20
Comments, Special Requirements or Regulations: *VOAS RECD w/ need spec (P)

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

NY
☒ TAGM 4046 GW
☒ TAGM 4046 SOIL
☐ NY375 Unrestricted Use Soil
☐ NY375 Residential Soil
☒ Restricted/Residential Commercial Industrial
Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☒ EQUIS
☐ NJ Hazsite EDD
☒ NY EZ EDD (ASP)
☐ Other

State where samples were collected: NY

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



Thursday, October 23, 2014

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

Project ID: 262 GREEN ST BROOKLYN NY
Sample ID#s: BG91480 - BG91488

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, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



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



SDG Comments

October 23, 2014

SDG I.D.: GBG91480

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.

BG91480 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG91481 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG91482 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG91483 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BG91484 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.



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: 262 GREEN ST BROOKLYN NY
Laboratory Project: GBG91480



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

Methodology Summary

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

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.



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

Sample Id Cross Reference

Client Id	Lab Id	Matrix
B1 13-15 FT	BG91480	SOLID
B4 13-15 FT	BG91481	SOLID
B5 13-15 FT	BG91482	SOLID
B7 13-15 FT	BG91483	SOLID
B8 13-15 FT	BG91484	SOLID
B1 FILL	BG91485	SOLID
B5 FILL	BG91486	SOLID
B7 FILL	BG91487	SOLID
B8 FILL	BG91488	SOLID



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

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
BG91480	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91480	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91480	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Copper	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91480	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91480	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91480	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91480	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91480	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91480	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Semivolatiles	08/07/14	08/11/14	08/12/14	DD	Y
BG91480	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91480	Volatiles	08/07/14	08/14/14	08/14/14	RM	Y
BG91480	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91481	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Copper	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91481	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91481	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91481	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91481	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Semivolatiles	08/07/14	08/11/14	08/12/14	DD	Y
BG91481	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91481	Volatiles	08/07/14	08/15/14	08/15/14	RM	Y
BG91481	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91482	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91482	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91482	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Copper	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91482	Lead	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91482	Mercury	08/07/14	08/12/14	08/12/14	MA	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91482	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91482	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91482	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Semivolatiles	08/07/14	08/11/14	08/12/14	DD	Y
BG91482	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91482	Volatiles	08/07/14	08/14/14	08/14/14	RM	Y
BG91482	Zinc	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91483	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91483	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Copper	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91483	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91483	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91483	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91483	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91483	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91483	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Semivolatiles	08/07/14	08/11/14	08/12/14	DD	Y
BG91483	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91483	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91483	Volatiles	08/07/14	08/15/14	08/15/14	RM	Y
BG91483	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Copper	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91484	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91484	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91484	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91484	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Semivolatiles	08/07/14	08/11/14	08/12/14	DD	Y
BG91484	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91484	Volatiles	08/07/14	08/14/14	08/14/14	RM	Y
BG91484	Zinc	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Chromium	08/07/14	08/11/14	08/14/14	LK	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91485	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Copper	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91485	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91485	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Pesticides - Soil	08/07/14	08/11/14	08/15/14	KCA	Y
BG91485	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91485	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91485	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Copper	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91486	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91486	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91486	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91486	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Selenium	08/07/14	08/11/14	08/14/14	LK	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91486	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91486	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Calcium	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Copper	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91487	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91487	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Pesticides - Soil	08/07/14	08/11/14	08/13/14	KCA	Y
BG91487	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91487	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91487	Zinc	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Aluminum	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Antimony	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Arsenic	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Barium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Beryllium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Cadmium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Calcium	08/07/14	08/11/14	08/13/14	LK	Y



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

October 23, 2014

SDG I.D.: GBG91480

Environmental Business Consultants 262 GREEN ST BROOKLYN NY

BG91488	Chromium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Cobalt	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Copper	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Iron	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Lead	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Magnesium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Manganese	08/07/14	08/11/14	08/13/14	LK	Y
BG91488	Mercury	08/07/14	08/12/14	08/12/14	MA	Y
BG91488	Nickel	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Pesticides - Soil	08/07/14	08/11/14	08/15/14	KCA	Y
BG91488	Polychlorinated Biphenyls	08/07/14	08/11/14	08/13/14	AW	Y
BG91488	Potassium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Selenium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Silver	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Sodium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Thallium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Vanadium	08/07/14	08/11/14	08/14/14	LK	Y
BG91488	Zinc	08/07/14	08/11/14	08/13/14	LK	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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

8:45
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91480

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B1 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.55	0.55	0.55	mg/Kg	08/14/14	LK	SW6010
Aluminum	7380	55	11	mg/Kg	08/13/14	LK	SW6010
Arsenic	16.3	1.1	1.1	mg/Kg	08/14/14	LK	SW6010
Barium	328	1.1	0.55	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.64	0.44	0.22	mg/Kg	08/14/14	LK	SW6010
Calcium	17000	55	51	mg/Kg	08/13/14	LK	SW6010
Cadmium	0.53	B 0.55	0.22	mg/Kg	08/14/14	LK	SW6010
Cobalt	8.32	0.55	0.55	mg/Kg	08/14/14	LK	SW6010
Chromium	17.5	0.55	0.55	mg/Kg	08/14/14	LK	SW6010
Copper	63.5	* 0.55	0.55	mg/kg	08/14/14	LK	SW6010
Iron	11800	55	55	mg/Kg	08/13/14	LK	SW6010
Mercury	3.85	0.12	0.07	mg/Kg	08/12/14	MA	SW-7471
Potassium	1350	N 11	4.3	mg/Kg	08/14/14	LK	SW6010
Magnesium	1210	5.5	5.5	mg/Kg	08/14/14	LK	SW6010
Manganese	256	N 5.5	5.5	mg/Kg	08/13/14	LK	SW6010
Sodium	869	N 11	4.8	mg/Kg	08/14/14	LK	SW6010
Nickel	18.1	0.55	0.55	mg/Kg	08/14/14	LK	SW6010
Lead	848	N 11	5.5	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.8	2.8	2.8	mg/Kg	08/14/14	LK	SW6010
Selenium	< 2.2	2.2	1.9	mg/Kg	08/14/14	LK	SW6010
Thallium	< 2.2	2.2	2.2	mg/Kg	08/14/14	LK	SW6010
Vanadium	32.1	0.6	0.55	mg/Kg	08/14/14	LK	SW6010
Zinc	285	11	5.5	mg/Kg	08/13/14	LK	SW6010
Percent Solid	62			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Soil Extraction for SVOA	Completed				08/11/14	BB/VF	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	53	53	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	81			%	08/13/14	AW	30 - 150 %
% TCMX	73			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	3.3	3.3	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	3.3	3.3	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	3.8	3.8	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	9.0	9.0	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
g-BHC	ND	9.0	9.0	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	5.3	5.3	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	11	11	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	260	260	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	114			%	08/13/14	CE	30 - 150 %
% TCMX	81			%	08/13/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	400	66	ug/Kg	08/14/14	RM	SW8260
1,1,1-Trichloroethane	ND	400	81	ug/Kg	08/14/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	400	57	ug/Kg	08/14/14	RM	SW8260
1,1,2-Trichloroethane	ND	400	40	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethane	ND	400	80	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethene	ND	400	88	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloropropene	ND	400	78	ug/Kg	08/14/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	400	81	ug/Kg	08/14/14	RM	SW8260
1,2,3-Trichloropropane	ND	400	57	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	400	81	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	400	58	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	400	110	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromoethane	ND	400	110	ug/Kg	08/14/14	RM	SW8260
1,2-Dichlorobenzene	ND	400	44	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloroethane	ND	400	35	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloropropane	ND	400	57	ug/Kg	08/14/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	400	53	ug/Kg	08/14/14	RM	SW8260
1,3-Dichlorobenzene	ND	400	60	ug/Kg	08/14/14	RM	SW8260
1,3-Dichloropropane	ND	400	43	ug/Kg	08/14/14	RM	SW8260
1,4-Dichlorobenzene	ND	400	64	ug/Kg	08/14/14	RM	SW8260
2,2-Dichloropropane	ND	400	68	ug/Kg	08/14/14	RM	SW8260
2-Chlorotoluene	ND	400	65	ug/Kg	08/14/14	RM	SW8260
2-Hexanone	ND	2000	180	ug/Kg	08/14/14	RM	SW8260
2-Isopropyltoluene	610	400	56	ug/Kg	08/14/14	RM	SW8260
4-Chlorotoluene	ND	400	47	ug/Kg	08/14/14	RM	SW8260
4-Methyl-2-pentanone	ND	2000	96	ug/Kg	08/14/14	RM	SW8260
Acetone	ND	4000	400	ug/Kg	08/14/14	RM	SW8260
Acrylonitrile	ND	810	230	ug/Kg	08/14/14	RM	SW8260
Benzene	ND	400	80	ug/Kg	08/14/14	RM	SW8260
Bromobenzene	ND	400	52	ug/Kg	08/14/14	RM	SW8260
Bromochloromethane	ND	400	59	ug/Kg	08/14/14	RM	SW8260
Bromodichloromethane	ND	400	50	ug/Kg	08/14/14	RM	SW8260
Bromoform	ND	400	56	ug/Kg	08/14/14	RM	SW8260
Bromomethane	ND	400	310	ug/Kg	08/14/14	RM	SW8260
Carbon Disulfide	ND	400	65	ug/Kg	08/14/14	RM	SW8260
Carbon tetrachloride	ND	400	47	ug/Kg	08/14/14	RM	SW8260
Chlorobenzene	ND	400	60	ug/Kg	08/14/14	RM	SW8260
Chloroethane	ND	400	94	ug/Kg	08/14/14	RM	SW8260
Chloroform	ND	400	73	ug/Kg	08/14/14	RM	SW8260
Chloromethane	ND	400	210	ug/Kg	08/14/14	RM	SW8260
cis-1,2-Dichloroethene	ND	400	88	ug/Kg	08/14/14	RM	SW8260
cis-1,3-Dichloropropene	ND	400	44	ug/Kg	08/14/14	RM	SW8260
Dibromochloromethane	ND	400	45	ug/Kg	08/14/14	RM	SW8260
Dibromomethane	ND	400	51	ug/Kg	08/14/14	RM	SW8260
Dichlorodifluoromethane	ND	400	110	ug/Kg	08/14/14	RM	SW8260
Ethylbenzene	ND	400	73	ug/Kg	08/14/14	RM	SW8260
Hexachlorobutadiene	ND	400	85	ug/Kg	08/14/14	RM	SW8260
Isopropylbenzene	ND	400	77	ug/Kg	08/14/14	RM	SW8260
m&p-Xylene	ND	400	160	ug/Kg	08/14/14	RM	SW8260
Methyl Ethyl Ketone	ND	2400	350	ug/Kg	08/14/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	810	110	ug/Kg	08/14/14	RM	SW8260
Methylene chloride	100	JBS	400	66	ug/Kg	RM	SW8260
Naphthalene	ND		400	110	ug/Kg	RM	SW8260
n-Butylbenzene	290	J	400	73	ug/Kg	RM	SW8260
n-Propylbenzene	ND		400	73	ug/Kg	RM	SW8260
o-Xylene	ND		400	150	ug/Kg	RM	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	400	58	ug/Kg	08/14/14	RM	SW8260
sec-Butylbenzene	1000	400	76	ug/Kg	08/14/14	RM	SW8260
Styrene	ND	400	120	ug/Kg	08/14/14	RM	SW8260
tert-Butylbenzene	ND	400	65	ug/Kg	08/14/14	RM	SW8260
Tetrachloroethene	ND	400	85	ug/Kg	08/14/14	RM	SW8260
Tetrahydrofuran (THF)	ND	810	360	ug/Kg	08/14/14	RM	SW8260
Toluene	ND	400	64	ug/Kg	08/14/14	RM	SW8260
trans-1,2-Dichloroethene	ND	400	81	ug/Kg	08/14/14	RM	SW8260
trans-1,3-Dichloropropene	ND	400	82	ug/Kg	08/14/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	810	750	ug/Kg	08/14/14	RM	SW8260
Trichloroethene	ND	400	85	ug/Kg	08/14/14	RM	SW8260
Trichlorofluoromethane	ND	400	90	ug/Kg	08/14/14	RM	SW8260
Trichlorotrifluoroethane	ND	400	63	ug/Kg	08/14/14	RM	SW8260
Vinyl chloride	ND	400	130	ug/Kg	08/14/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	08/14/14	RM	70 - 121 %
% Bromofluorobenzene	129			%	08/14/14	RM	59 - 113 %
% Dibromofluoromethane	91			%	08/14/14	RM	70 - 130 %
% Toluene-d8	104			%	08/14/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	1800	930	ug/Kg	08/12/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	1800	800	ug/Kg	08/12/14	DD	SW 8270
1,2-Dichlorobenzene	ND	1800	750	ug/Kg	08/12/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	1800	860	ug/Kg	08/12/14	DD	SW 8270
1,3-Dichlorobenzene	ND	1800	780	ug/Kg	08/12/14	DD	SW 8270
1,4-Dichlorobenzene	ND	1800	780	ug/Kg	08/12/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	1800	1400	ug/Kg	08/12/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	1800	850	ug/Kg	08/12/14	DD	SW 8270
2,4-Dichlorophenol	ND	1800	930	ug/Kg	08/12/14	DD	SW 8270
2,4-Dimethylphenol	ND	1800	660	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrophenol	ND	13000	1800	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrotoluene	ND	1800	1000	ug/Kg	08/12/14	DD	SW 8270
2,6-Dinitrotoluene	ND	1800	830	ug/Kg	08/12/14	DD	SW 8270
2-Chloronaphthalene	ND	1800	750	ug/Kg	08/12/14	DD	SW 8270
2-Chlorophenol	ND	1800	750	ug/Kg	08/12/14	DD	SW 8270
2-Methylnaphthalene	ND	1800	790	ug/Kg	08/12/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1800	1200	ug/Kg	08/12/14	DD	SW 8270
2-Nitroaniline	ND	13000	2700	ug/Kg	08/12/14	DD	SW 8270
2-Nitrophenol	ND	1800	1700	ug/Kg	08/12/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1800	1000	ug/Kg	08/12/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	5300	1200	ug/Kg	08/12/14	DD	SW 8270
3-Nitroaniline	ND	13000	5700	ug/Kg	08/12/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	13000	2800	ug/Kg	08/12/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	1800	780	ug/Kg	08/12/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	1800	930	ug/Kg	08/12/14	DD	SW 8270
4-Chloroaniline	ND	5300	1200	ug/Kg	08/12/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	1800	890	ug/Kg	08/12/14	DD	SW 8270
4-Nitroaniline	ND	13000	880	ug/Kg	08/12/14	DD	SW 8270
4-Nitrophenol	ND	13000	1200	ug/Kg	08/12/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acenaphthene	ND	1800	800	ug/Kg	08/12/14	DD	SW 8270
Acenaphthylene	ND	1800	740	ug/Kg	08/12/14	DD	SW 8270
Acetophenone	ND	1800	820	ug/Kg	08/12/14	DD	SW 8270
Aniline	ND	13000	5300	ug/Kg	08/12/14	DD	SW 8270
Anthracene	ND	1800	870	ug/Kg	08/12/14	DD	SW 8270
Benz(a)anthracene	3100	1800	890	ug/Kg	08/12/14	DD	SW 8270
Benzidine	ND	5300	1600	ug/Kg	08/12/14	DD	SW 8270
Benzo(a)pyrene	2300	1800	860	ug/Kg	08/12/14	DD	SW 8270
Benzo(b)fluoranthene	2800	1800	900	ug/Kg	08/12/14	DD	SW 8270
Benzo(ghi)perylene	1400	J 1800	860	ug/Kg	08/12/14	DD	SW 8270
Benzo(k)fluoranthene	1200	J 1800	880	ug/Kg	08/12/14	DD	SW 8270
Benzoic acid	ND	13000	5300	ug/Kg	08/12/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	1800	680	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	1800	730	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1800	710	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	1800	730	ug/Kg	08/12/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	1800	760	ug/Kg	08/12/14	DD	SW 8270
Carbazole	ND	13000	2000	ug/Kg	08/12/14	DD	SW 8270
Chrysene	2800	1800	890	ug/Kg	08/12/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	1800	860	ug/Kg	08/12/14	DD	SW 8270
Dibenzofuran	ND	1800	770	ug/Kg	08/12/14	DD	SW 8270
Diethyl phthalate	ND	1800	830	ug/Kg	08/12/14	DD	SW 8270
Dimethylphthalate	ND	1800	820	ug/Kg	08/12/14	DD	SW 8270
Di-n-butylphthalate	ND	1800	700	ug/Kg	08/12/14	DD	SW 8270
Di-n-octylphthalate	ND	1800	680	ug/Kg	08/12/14	DD	SW 8270
Fluoranthene	5900	1800	860	ug/Kg	08/12/14	DD	SW 8270
Fluorene	ND	1800	870	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobenzene	ND	1800	770	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobutadiene	ND	1800	960	ug/Kg	08/12/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	1800	810	ug/Kg	08/12/14	DD	SW 8270
Hexachloroethane	ND	1800	790	ug/Kg	08/12/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	1200	J 1800	880	ug/Kg	08/12/14	DD	SW 8270
Isophorone	ND	1800	740	ug/Kg	08/12/14	DD	SW 8270
Naphthalene	ND	1800	760	ug/Kg	08/12/14	DD	SW 8270
Nitrobenzene	ND	1800	920	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodimethylamine	ND	1800	750	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	1800	860	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	1800	1000	ug/Kg	08/12/14	DD	SW 8270
Pentachloronitrobenzene	ND	1800	980	ug/Kg	08/12/14	DD	SW 8270
Pentachlorophenol	ND	1800	1000	ug/Kg	08/12/14	DD	SW 8270
Phenanthrene	1600	J 1800	760	ug/Kg	08/12/14	DD	SW 8270
Phenol	ND	1800	850	ug/Kg	08/12/14	DD	SW 8270
Pyrene	5200	1800	910	ug/Kg	08/12/14	DD	SW 8270
Pyridine	ND	1800	650	ug/Kg	08/12/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	76			%	08/12/14	DD	19 - 122 %
% 2-Fluorobiphenyl	64			%	08/12/14	DD	30 - 115 %
% 2-Fluorophenol	69			%	08/12/14	DD	25 - 121 %
% Nitrobenzene-d5	101			%	08/12/14	DD	23 - 120 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Phenol-d5	80			%	08/12/14	DD	24 - 113 %
% Terphenyl-d14	83			%	08/12/14	DD	18 - 137 %

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

3 = This parameter exceeds laboratory specified limits.

B = Present in blank, no bias suspected.

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

BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:

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

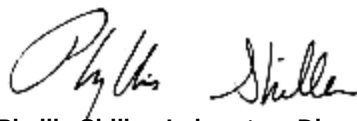
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

9:30
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91481

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B4 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.45	0.45	0.45	mg/Kg	08/14/14	LK	SW6010
Aluminum	5570	45	8.9	mg/Kg	08/13/14	LK	SW6010
Arsenic	7.8	0.9	0.89	mg/Kg	08/14/14	LK	SW6010
Barium	142	0.9	0.45	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.37	0.36	0.18	mg/Kg	08/14/14	LK	SW6010
Calcium	10300	45	41	mg/Kg	08/13/14	LK	SW6010
Cadmium	0.55	0.45	0.18	mg/Kg	08/14/14	LK	SW6010
Cobalt	8.23	0.45	0.45	mg/Kg	08/14/14	LK	SW6010
Chromium	16.1	0.45	0.45	mg/Kg	08/14/14	LK	SW6010
Copper	116	* 0.45	0.45	mg/kg	08/14/14	LK	SW6010
Iron	34600	45	45	mg/Kg	08/13/14	LK	SW6010
Mercury	3.85	0.09	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	973	N 9	3.5	mg/Kg	08/14/14	LK	SW6010
Magnesium	1980	4.5	4.5	mg/Kg	08/14/14	LK	SW6010
Manganese	261	N 4.5	4.5	mg/Kg	08/13/14	LK	SW6010
Sodium	297	N 9	3.8	mg/Kg	08/14/14	LK	SW6010
Nickel	13.4	0.45	0.45	mg/Kg	08/14/14	LK	SW6010
Lead	1400	N 8.9	4.5	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.2	2.2	2.2	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.8	1.8	1.5	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.8	1.8	1.8	mg/Kg	08/14/14	LK	SW6010
Vanadium	19.2	0.4	0.45	mg/Kg	08/14/14	LK	SW6010
Zinc	284	8.9	4.5	mg/Kg	08/13/14	LK	SW6010
Percent Solid	70			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Soil Extraction for SVOA	Completed				08/11/14	BB/VF	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	47	47	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	90			%	08/13/14	AW	30 - 150 %
% TCMX	84			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	3.4	3.4	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	3.4	3.4	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	3.3	3.3	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	4.7	4.7	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	20	20	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	4.7	4.7	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	4.7	4.7	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	4.7	4.7	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	4.7	4.7	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	8.5	8.5	ug/Kg	08/13/14	CE	SW8081
g-BHC	20	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	8.0	8.0	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	6.0	6.0	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	2.3	2.3	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	9.3	9.3	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	230	230	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	132			%	08/13/14	CE	30 - 150 %
% TCMX	108			%	08/13/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	7.1	1.2	ug/Kg	08/14/14	RM	SW8260
1,1,1-Trichloroethane	ND	7.1	1.4	ug/Kg	08/14/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	7.1	1.0	ug/Kg	08/14/14	RM	SW8260
1,1,2-Trichloroethane	ND	7.1	0.70	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethane	ND	7.1	1.4	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethene	ND	7.1	1.6	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloropropene	ND	7.1	1.4	ug/Kg	08/14/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	360	71	ug/Kg	08/15/14	RM	SW8260
1,2,3-Trichloropropane	ND	360	51	ug/Kg	08/15/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	360	71	ug/Kg	08/15/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	360	51	ug/Kg	08/15/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	360	96	ug/Kg	08/15/14	RM	SW8260
1,2-Dibromoethane	ND	7.1	1.9	ug/Kg	08/14/14	RM	SW8260
1,2-Dichlorobenzene	ND	360	39	ug/Kg	08/15/14	RM	SW8260
1,2-Dichloroethane	ND	7.1	0.63	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloropropane	ND	7.1	1.0	ug/Kg	08/14/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	360	47	ug/Kg	08/15/14	RM	SW8260
1,3-Dichlorobenzene	ND	360	53	ug/Kg	08/15/14	RM	SW8260
1,3-Dichloropropane	ND	7.1	0.76	ug/Kg	08/14/14	RM	SW8260
1,4-Dichlorobenzene	ND	360	56	ug/Kg	08/15/14	RM	SW8260
2,2-Dichloropropane	ND	7.1	1.2	ug/Kg	08/14/14	RM	SW8260
2-Chlorotoluene	ND	360	57	ug/Kg	08/15/14	RM	SW8260
2-Hexanone	ND	36	3.2	ug/Kg	08/14/14	RM	SW8260
2-Isopropyltoluene	ND	360	49	ug/Kg	08/15/14	RM	SW8260
4-Chlorotoluene	ND	360	41	ug/Kg	08/15/14	RM	SW8260
4-Methyl-2-pentanone	ND	36	1.7	ug/Kg	08/14/14	RM	SW8260
Acetone	18 JS	50	7.1	ug/Kg	08/14/14	RM	SW8260
Acrylonitrile	ND	14	4.0	ug/Kg	08/14/14	RM	SW8260
Benzene	ND	7.1	1.4	ug/Kg	08/14/14	RM	SW8260
Bromobenzene	ND	360	46	ug/Kg	08/15/14	RM	SW8260
Bromochloromethane	ND	7.1	1.0	ug/Kg	08/14/14	RM	SW8260
Bromodichloromethane	ND	7.1	0.89	ug/Kg	08/14/14	RM	SW8260
Bromoform	ND	7.1	1.0	ug/Kg	08/14/14	RM	SW8260
Bromomethane	ND	7.1	5.5	ug/Kg	08/14/14	RM	SW8260
Carbon Disulfide	1.4 J	7.1	1.2	ug/Kg	08/14/14	RM	SW8260
Carbon tetrachloride	ND	7.1	0.83	ug/Kg	08/14/14	RM	SW8260
Chlorobenzene	ND	7.1	1.1	ug/Kg	08/14/14	RM	SW8260
Chloroethane	ND	7.1	1.7	ug/Kg	08/14/14	RM	SW8260
Chloroform	ND	7.1	1.3	ug/Kg	08/14/14	RM	SW8260
Chloromethane	ND	7.1	3.7	ug/Kg	08/14/14	RM	SW8260
cis-1,2-Dichloroethene	ND	7.1	1.6	ug/Kg	08/14/14	RM	SW8260
cis-1,3-Dichloropropene	ND	7.1	0.77	ug/Kg	08/14/14	RM	SW8260
Dibromochloromethane	ND	7.1	0.80	ug/Kg	08/14/14	RM	SW8260
Dibromomethane	ND	7.1	0.90	ug/Kg	08/14/14	RM	SW8260
Dichlorodifluoromethane	ND	7.1	1.9	ug/Kg	08/14/14	RM	SW8260
Ethylbenzene	ND	7.1	1.3	ug/Kg	08/14/14	RM	SW8260
Hexachlorobutadiene	ND	360	75	ug/Kg	08/15/14	RM	SW8260
Isopropylbenzene	ND	360	69	ug/Kg	08/15/14	RM	SW8260
m&p-Xylene	ND	7.1	2.8	ug/Kg	08/14/14	RM	SW8260
Methyl Ethyl Ketone	ND	43	6.2	ug/Kg	08/14/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	14	2.0	ug/Kg	08/14/14	RM	SW8260
Methylene chloride	2.6 JBS	7.1	1.2	ug/Kg	08/14/14	RM	SW8260
Naphthalene	ND	360	96	ug/Kg	08/15/14	RM	SW8260
n-Butylbenzene	ND	360	65	ug/Kg	08/15/14	RM	SW8260
n-Propylbenzene	ND	360	64	ug/Kg	08/15/14	RM	SW8260
o-Xylene	ND	7.1	2.7	ug/Kg	08/14/14	RM	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	360	51	ug/Kg	08/15/14	RM	SW8260
sec-Butylbenzene	ND	360	67	ug/Kg	08/15/14	RM	SW8260
Styrene	ND	7.1	2.1	ug/Kg	08/14/14	RM	SW8260
tert-Butylbenzene	ND	360	57	ug/Kg	08/15/14	RM	SW8260
Tetrachloroethene	ND	7.1	1.5	ug/Kg	08/14/14	RM	SW8260
Tetrahydrofuran (THF)	ND	14	6.4	ug/Kg	08/14/14	RM	SW8260
Toluene	ND	7.1	1.1	ug/Kg	08/14/14	RM	SW8260
trans-1,2-Dichloroethene	ND	7.1	1.4	ug/Kg	08/14/14	RM	SW8260
trans-1,3-Dichloropropene	ND	7.1	1.5	ug/Kg	08/14/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	710	660	ug/Kg	08/15/14	RM	SW8260
Trichloroethene	ND	7.1	1.5	ug/Kg	08/14/14	RM	SW8260
Trichlorofluoromethane	ND	7.1	1.6	ug/Kg	08/14/14	RM	SW8260
Trichlorotrifluoroethane	ND	7.1	1.1	ug/Kg	08/14/14	RM	SW8260
Vinyl chloride	ND	7.1	2.3	ug/Kg	08/14/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	08/15/14	RM	70 - 121 %
% Bromofluorobenzene	92			%	08/15/14	RM	59 - 113 %
% Dibromofluoromethane	95			%	08/14/14	RM	70 - 130 %
% Toluene-d8	93			%	08/14/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	660	330	ug/Kg	08/12/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	660	280	ug/Kg	08/12/14	DD	SW 8270
1,2-Dichlorobenzene	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	660	310	ug/Kg	08/12/14	DD	SW 8270
1,3-Dichlorobenzene	ND	660	280	ug/Kg	08/12/14	DD	SW 8270
1,4-Dichlorobenzene	ND	660	280	ug/Kg	08/12/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	660	520	ug/Kg	08/12/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	660	300	ug/Kg	08/12/14	DD	SW 8270
2,4-Dichlorophenol	ND	660	330	ug/Kg	08/12/14	DD	SW 8270
2,4-Dimethylphenol	ND	660	230	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrophenol	ND	4700	660	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrotoluene	ND	660	370	ug/Kg	08/12/14	DD	SW 8270
2,6-Dinitrotoluene	ND	660	300	ug/Kg	08/12/14	DD	SW 8270
2-Chloronaphthalene	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
2-Chlorophenol	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
2-Methylnaphthalene	320	J 660	280	ug/Kg	08/12/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	660	440	ug/Kg	08/12/14	DD	SW 8270
2-Nitroaniline	ND	4700	950	ug/Kg	08/12/14	DD	SW 8270
2-Nitrophenol	ND	660	600	ug/Kg	08/12/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	3300	660	370	ug/Kg	08/12/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1900	440	ug/Kg	08/12/14	DD	SW 8270
3-Nitroaniline	ND	4700	2000	ug/Kg	08/12/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	4700	1000	ug/Kg	08/12/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	660	280	ug/Kg	08/12/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	660	330	ug/Kg	08/12/14	DD	SW 8270
4-Chloroaniline	ND	1900	440	ug/Kg	08/12/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	660	320	ug/Kg	08/12/14	DD	SW 8270
4-Nitroaniline	ND	4700	310	ug/Kg	08/12/14	DD	SW 8270
4-Nitrophenol	ND	4700	430	ug/Kg	08/12/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acenaphthene	680	660	290	ug/Kg	08/12/14	DD	SW 8270
Acenaphthylene	ND	660	260	ug/Kg	08/12/14	DD	SW 8270
Acetophenone	ND	660	290	ug/Kg	08/12/14	DD	SW 8270
Aniline	ND	4700	1900	ug/Kg	08/12/14	DD	SW 8270
Anthracene	1600	660	310	ug/Kg	08/12/14	DD	SW 8270
Benz(a)anthracene	2700	660	320	ug/Kg	08/12/14	DD	SW 8270
Benzdine	ND	1900	550	ug/Kg	08/12/14	DD	SW 8270
Benzo(a)pyrene	2300	660	310	ug/Kg	08/12/14	DD	SW 8270
Benzo(b)fluoranthene	2900	660	320	ug/Kg	08/12/14	DD	SW 8270
Benzo(ghi)perylene	1200	660	300	ug/Kg	08/12/14	DD	SW 8270
Benzo(k)fluoranthene	910	660	310	ug/Kg	08/12/14	DD	SW 8270
Benzoic acid	ND	4700	1900	ug/Kg	08/12/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	660	240	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	660	260	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	660	250	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	660	260	ug/Kg	08/12/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
Carbazole	900 J	4700	710	ug/Kg	08/12/14	DD	SW 8270
Chrysene	2500	660	320	ug/Kg	08/12/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	330	300	ug/Kg	08/12/14	DD	SW 8270
Dibenzofuran	570 J	660	270	ug/Kg	08/12/14	DD	SW 8270
Diethyl phthalate	ND	660	300	ug/Kg	08/12/14	DD	SW 8270
Dimethylphthalate	ND	660	290	ug/Kg	08/12/14	DD	SW 8270
Di-n-butylphthalate	ND	660	250	ug/Kg	08/12/14	DD	SW 8270
Di-n-octylphthalate	ND	660	240	ug/Kg	08/12/14	DD	SW 8270
Fluoranthene	6700	660	300	ug/Kg	08/12/14	DD	SW 8270
Fluorene	770	660	310	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobenzene	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobutadiene	ND	660	340	ug/Kg	08/12/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	660	290	ug/Kg	08/12/14	DD	SW 8270
Hexachloroethane	ND	660	280	ug/Kg	08/12/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	990	660	310	ug/Kg	08/12/14	DD	SW 8270
Isophorone	ND	660	260	ug/Kg	08/12/14	DD	SW 8270
Naphthalene	850	660	270	ug/Kg	08/12/14	DD	SW 8270
Nitrobenzene	ND	660	330	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodimethylamine	ND	660	270	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	660	300	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	660	360	ug/Kg	08/12/14	DD	SW 8270
Pentachloronitrobenzene	ND	660	350	ug/Kg	08/12/14	DD	SW 8270
Pentachlorophenol	ND	660	360	ug/Kg	08/12/14	DD	SW 8270
Phenanthrene	6400	660	270	ug/Kg	08/12/14	DD	SW 8270
Phenol	ND	330	300	ug/Kg	08/12/14	DD	SW 8270
Pyrene	5900	660	320	ug/Kg	08/12/14	DD	SW 8270
Pyridine	ND	660	230	ug/Kg	08/12/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77			%	08/12/14	DD	19 - 122 %
% 2-Fluorobiphenyl	59			%	08/12/14	DD	30 - 115 %
% 2-Fluorophenol	74			%	08/12/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	08/12/14	DD	23 - 120 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Phenol-d5	76			%	08/12/14	DD	24 - 113 %
% Terphenyl-d14	89			%	08/12/14	DD	18 - 137 %

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

B* = Present in blank, a bias is possible.

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

BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Volatile Comment:

There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

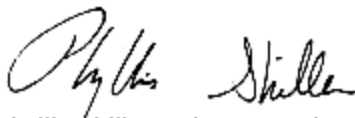
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

9:45
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91482

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B5 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.41	0.41	0.41	mg/Kg	08/14/14	LK	SW6010
Aluminum	11800	41	8.1	mg/Kg	08/13/14	LK	SW6010
Arsenic	2.5	0.8	0.81	mg/Kg	08/14/14	LK	SW6010
Barium	76.7	0.8	0.41	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.43	0.32	0.16	mg/Kg	08/14/14	LK	SW6010
Calcium	2480	41	37	mg/Kg	08/13/14	LK	SW6010
Cadmium	< 0.41	0.41	0.16	mg/Kg	08/14/14	LK	SW6010
Cobalt	7.10	0.41	0.41	mg/Kg	08/14/14	LK	SW6010
Chromium	19.3	0.41	0.41	mg/Kg	08/14/14	LK	SW6010
Copper	23.8	* 0.41	0.41	mg/kg	08/14/14	LK	SW6010
Iron	12700	41	41	mg/Kg	08/13/14	LK	SW6010
Mercury	0.16	0.08	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	1020	N 8	3.2	mg/Kg	08/14/14	LK	SW6010
Magnesium	2600	4.1	4.1	mg/Kg	08/14/14	LK	SW6010
Manganese	105	N 4.1	4.1	mg/Kg	08/13/14	LK	SW6010
Sodium	122	N 8	3.5	mg/Kg	08/14/14	LK	SW6010
Nickel	17.8	0.41	0.41	mg/Kg	08/14/14	LK	SW6010
Lead	38.6	N 0.8	0.41	mg/Kg	08/14/14	LK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	08/14/14	LK	SW6010
Vanadium	21.0	0.4	0.41	mg/Kg	08/14/14	LK	SW6010
Zinc	88.2	0.8	0.41	mg/Kg	08/14/14	LK	SW6010
Percent Solid	76			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Soil Extraction for SVOA	Completed				08/11/14	BB/VF	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	43	43	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	94			%	08/13/14	AW	30 - 150 %
% TCMX	91			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	3.1	3.1	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	3.1	3.1	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	3.1	3.1	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	4.5	4.5	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
g-BHC	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	4.3	4.3	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	2.2	2.2	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	8.7	8.7	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	220	220	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	97			%	08/13/14	CE	30 - 150 %
% TCMX	88			%	08/13/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
1,1,1-Trichloroethane	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	6.6	0.93	ug/Kg	08/14/14	RM	SW8260
1,1,2-Trichloroethane	ND	6.6	0.64	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethane	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethene	ND	6.6	1.4	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloropropene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
1,2,3-Trichloropropane	ND	6.6	0.93	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	6.6	0.95	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	6.6	1.8	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromoethane	ND	6.6	1.8	ug/Kg	08/14/14	RM	SW8260
1,2-Dichlorobenzene	ND	6.6	0.72	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloroethane	ND	6.6	0.58	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloropropane	ND	6.6	0.93	ug/Kg	08/14/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	6.6	0.87	ug/Kg	08/14/14	RM	SW8260
1,3-Dichlorobenzene	ND	6.6	0.97	ug/Kg	08/14/14	RM	SW8260
1,3-Dichloropropane	ND	6.6	0.70	ug/Kg	08/14/14	RM	SW8260
1,4-Dichlorobenzene	ND	6.6	1.0	ug/Kg	08/14/14	RM	SW8260
2,2-Dichloropropane	ND	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
2-Chlorotoluene	ND	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
2-Hexanone	ND	33	3.0	ug/Kg	08/14/14	RM	SW8260
2-Isopropyltoluene	ND	6.6	0.91	ug/Kg	08/14/14	RM	SW8260
4-Chlorotoluene	ND	6.6	0.76	ug/Kg	08/14/14	RM	SW8260
4-Methyl-2-pentanone	ND	33	1.6	ug/Kg	08/14/14	RM	SW8260
Acetone	49 JS	50	6.5	ug/Kg	08/14/14	RM	SW8260
Acrylonitrile	ND	13	3.7	ug/Kg	08/14/14	RM	SW8260
Benzene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
Bromobenzene	ND	6.6	0.86	ug/Kg	08/14/14	RM	SW8260
Bromochloromethane	ND	6.6	0.96	ug/Kg	08/14/14	RM	SW8260
Bromodichloromethane	ND	6.6	0.82	ug/Kg	08/14/14	RM	SW8260
Bromoform	ND	6.6	0.92	ug/Kg	08/14/14	RM	SW8260
Bromomethane	ND	6.6	5.1	ug/Kg	08/14/14	RM	SW8260
Carbon Disulfide	2.1 J	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
Carbon tetrachloride	ND	6.6	0.76	ug/Kg	08/14/14	RM	SW8260
Chlorobenzene	ND	6.6	0.97	ug/Kg	08/14/14	RM	SW8260
Chloroethane	ND	6.6	1.5	ug/Kg	08/14/14	RM	SW8260
Chloroform	ND	6.6	1.2	ug/Kg	08/14/14	RM	SW8260
Chloromethane	ND	6.6	3.4	ug/Kg	08/14/14	RM	SW8260
cis-1,2-Dichloroethene	ND	6.6	1.4	ug/Kg	08/14/14	RM	SW8260
cis-1,3-Dichloropropene	ND	6.6	0.71	ug/Kg	08/14/14	RM	SW8260
Dibromochloromethane	ND	6.6	0.74	ug/Kg	08/14/14	RM	SW8260
Dibromomethane	ND	6.6	0.83	ug/Kg	08/14/14	RM	SW8260
Dichlorodifluoromethane	ND	6.6	1.8	ug/Kg	08/14/14	RM	SW8260
Ethylbenzene	ND	6.6	1.2	ug/Kg	08/14/14	RM	SW8260
Hexachlorobutadiene	ND	6.6	1.4	ug/Kg	08/14/14	RM	SW8260
Isopropylbenzene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
m&p-Xylene	ND	6.6	2.6	ug/Kg	08/14/14	RM	SW8260
Methyl Ethyl Ketone	ND	39	5.7	ug/Kg	08/14/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	13	1.8	ug/Kg	08/14/14	RM	SW8260
Methylene chloride	3.4 JBS	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
Naphthalene	ND	6.6	1.8	ug/Kg	08/14/14	RM	SW8260
n-Butylbenzene	ND	6.6	1.2	ug/Kg	08/14/14	RM	SW8260
n-Propylbenzene	ND	6.6	1.2	ug/Kg	08/14/14	RM	SW8260
o-Xylene	ND	6.6	2.5	ug/Kg	08/14/14	RM	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	6.6	0.95	ug/Kg	08/14/14	RM	SW8260
sec-Butylbenzene	ND	6.6	1.2	ug/Kg	08/14/14	RM	SW8260
Styrene	ND	6.6	1.9	ug/Kg	08/14/14	RM	SW8260
tert-Butylbenzene	ND	6.6	1.1	ug/Kg	08/14/14	RM	SW8260
Tetrachloroethene	ND	6.6	1.4	ug/Kg	08/14/14	RM	SW8260
Tetrahydrofuran (THF)	ND	13	5.9	ug/Kg	08/14/14	RM	SW8260
Toluene	ND	6.6	1.0	ug/Kg	08/14/14	RM	SW8260
trans-1,2-Dichloroethene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
trans-1,3-Dichloropropene	ND	6.6	1.3	ug/Kg	08/14/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	13	12	ug/Kg	08/14/14	RM	SW8260
Trichloroethene	ND	6.6	1.4	ug/Kg	08/14/14	RM	SW8260
Trichlorofluoromethane	ND	6.6	1.5	ug/Kg	08/14/14	RM	SW8260
Trichlorotrifluoroethane	ND	6.6	1.0	ug/Kg	08/14/14	RM	SW8260
Vinyl chloride	ND	6.6	2.1	ug/Kg	08/14/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	08/14/14	RM	70 - 121 %
% Bromofluorobenzene	88			%	08/14/14	RM	59 - 113 %
% Dibromofluoromethane	59			%	08/14/14	RM	70 - 130 %
% Toluene-d8	99			%	08/14/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	08/12/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
1,2-Dichlorobenzene	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
1,3-Dichlorobenzene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
1,4-Dichlorobenzene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	300	240	ug/Kg	08/12/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
2,4-Dichlorophenol	ND	300	150	ug/Kg	08/12/14	DD	SW 8270
2,4-Dimethylphenol	ND	300	110	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrophenol	ND	2200	300	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrotoluene	ND	300	170	ug/Kg	08/12/14	DD	SW 8270
2,6-Dinitrotoluene	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
2-Chloronaphthalene	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
2-Chlorophenol	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
2-Methylnaphthalene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	300	200	ug/Kg	08/12/14	DD	SW 8270
2-Nitroaniline	ND	2200	440	ug/Kg	08/12/14	DD	SW 8270
2-Nitrophenol	ND	300	270	ug/Kg	08/12/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	300	170	ug/Kg	08/12/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	870	200	ug/Kg	08/12/14	DD	SW 8270
3-Nitroaniline	ND	2200	940	ug/Kg	08/12/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2200	470	ug/Kg	08/12/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	300	150	ug/Kg	08/12/14	DD	SW 8270
4-Chloroaniline	ND	870	200	ug/Kg	08/12/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	300	150	ug/Kg	08/12/14	DD	SW 8270
4-Nitroaniline	ND	2200	140	ug/Kg	08/12/14	DD	SW 8270
4-Nitrophenol	ND	2200	200	ug/Kg	08/12/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acenaphthene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Acenaphthylene	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Acetophenone	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Aniline	ND	2200	880	ug/Kg	08/12/14	DD	SW 8270
Anthracene	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Benz(a)anthracene	520	300	150	ug/Kg	08/12/14	DD	SW 8270
Benzidine	ND	870	250	ug/Kg	08/12/14	DD	SW 8270
Benzo(a)pyrene	470	300	140	ug/Kg	08/12/14	DD	SW 8270
Benzo(b)fluoranthene	560	300	150	ug/Kg	08/12/14	DD	SW 8270
Benzo(ghi)perylene	270	J 300	140	ug/Kg	08/12/14	DD	SW 8270
Benzo(k)fluoranthene	210	J 300	140	ug/Kg	08/12/14	DD	SW 8270
Benzoic acid	ND	2200	870	ug/Kg	08/12/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	300	110	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	300	120	ug/Kg	08/12/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Carbazole	ND	2200	330	ug/Kg	08/12/14	DD	SW 8270
Chrysene	460	300	150	ug/Kg	08/12/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Dibenzofuran	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Diethyl phthalate	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Dimethylphthalate	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Di-n-butylphthalate	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Di-n-octylphthalate	ND	300	110	ug/Kg	08/12/14	DD	SW 8270
Fluoranthene	790	300	140	ug/Kg	08/12/14	DD	SW 8270
Fluorene	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobenzene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobutadiene	ND	300	160	ug/Kg	08/12/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Hexachloroethane	ND	300	130	ug/Kg	08/12/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	230	J 300	140	ug/Kg	08/12/14	DD	SW 8270
Isophorone	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
Naphthalene	160	J 300	120	ug/Kg	08/12/14	DD	SW 8270
Nitrobenzene	ND	300	150	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodimethylamine	ND	300	120	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	300	170	ug/Kg	08/12/14	DD	SW 8270
Pentachloronitrobenzene	ND	300	160	ug/Kg	08/12/14	DD	SW 8270
Pentachlorophenol	ND	300	160	ug/Kg	08/12/14	DD	SW 8270
Phenanthrene	320	300	120	ug/Kg	08/12/14	DD	SW 8270
Phenol	ND	300	140	ug/Kg	08/12/14	DD	SW 8270
Pyrene	740	300	150	ug/Kg	08/12/14	DD	SW 8270
Pyridine	ND	300	110	ug/Kg	08/12/14	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	73			%	08/12/14	DD	19 - 122 %
% 2-Fluorobiphenyl	62			%	08/12/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	08/12/14	DD	25 - 121 %
% Nitrobenzene-d5	64			%	08/12/14	DD	23 - 120 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Phenol-d5	74			%	08/12/14	DD	24 - 113 %
% Terphenyl-d14	84			%	08/12/14	DD	18 - 137 %

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

3 = This parameter exceeds laboratory specified limits.

B* = Present in blank, a bias is possible.

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

BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

Volatile Comment:

Poor surrogate recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

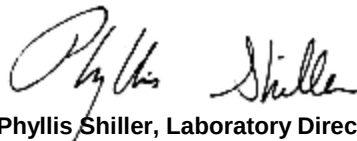
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14 10:30
08/11/14 16:20

Time

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91483

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B7 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.52	0.52	0.52	mg/Kg	08/14/14	LK	SW6010
Aluminum	7650	52	10	mg/Kg	08/13/14	LK	SW6010
Arsenic	19.5	1.0	1.0	mg/Kg	08/14/14	LK	SW6010
Barium	326	1.0	0.52	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.60	0.41	0.21	mg/Kg	08/14/14	LK	SW6010
Calcium	6310	52	48	mg/Kg	08/13/14	LK	SW6010
Cadmium	0.24	B 0.52	0.21	mg/Kg	08/14/14	LK	SW6010
Cobalt	8.40	0.52	0.52	mg/Kg	08/14/14	LK	SW6010
Chromium	14.7	0.52	0.52	mg/Kg	08/14/14	LK	SW6010
Copper	42.6	* 0.52	0.52	mg/kg	08/14/14	LK	SW6010
Iron	11600	52	52	mg/Kg	08/13/14	LK	SW6010
Mercury	2.48	0.11	0.07	mg/Kg	08/12/14	MA	SW-7471
Potassium	988	N 10	4.0	mg/Kg	08/14/14	LK	SW6010
Magnesium	1100	5.2	5.2	mg/Kg	08/14/14	LK	SW6010
Manganese	126	N 5.2	5.2	mg/Kg	08/13/14	LK	SW6010
Sodium	888	N 10	4.4	mg/Kg	08/14/14	LK	SW6010
Nickel	16.7	0.52	0.52	mg/Kg	08/14/14	LK	SW6010
Lead	300	N 10	5.2	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.6	2.6	2.6	mg/Kg	08/14/14	LK	SW6010
Selenium	< 2.1	2.1	1.8	mg/Kg	08/14/14	LK	SW6010
Thallium	< 2.1	2.1	2.1	mg/Kg	08/14/14	LK	SW6010
Vanadium	26.3	0.5	0.52	mg/Kg	08/14/14	LK	SW6010
Zinc	263	10	5.2	mg/Kg	08/13/14	LK	SW6010
Percent Solid	62			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Soil Extraction for SVOA	Completed				08/11/14	BB/VF	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	52	52	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	65			%	08/13/14	AW	30 - 150 %
% TCMX	71			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	3.3	3.3	ug/Kg	08/13/14	C/P	SW8081
4,4' -DDE	ND	3.3	3.3	ug/Kg	08/13/14	C/P	SW8081
4,4' -DDT	ND	3.3	3.3	ug/Kg	08/13/14	C/P	SW8081
a-BHC	ND	2.6	2.6	ug/Kg	08/13/14	C/P	SW8081
a-Chlordane	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Aldrin	ND	2.6	2.6	ug/Kg	08/13/14	C/P	SW8081
b-BHC	ND	6.0	6.0	ug/Kg	08/13/14	C/P	SW8081
d-BHC	ND	25	25	ug/Kg	08/13/14	C/P	SW8081
Dieldrin	ND	2.6	2.6	ug/Kg	08/13/14	C/P	SW8081
Endosulfan I	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Endosulfan II	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Endosulfan sulfate	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Endrin	ND	2.6	2.6	ug/Kg	08/13/14	C/P	SW8081
Endrin aldehyde	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Endrin ketone	ND	4.5	4.5	ug/Kg	08/13/14	C/P	SW8081
g-BHC	ND	20	20	ug/Kg	08/13/14	C/P	SW8081
g-Chlordane	ND	5.2	5.2	ug/Kg	08/13/14	C/P	SW8081
Heptachlor	ND	4.0	4.0	ug/Kg	08/13/14	C/P	SW8081
Heptachlor epoxide	ND	2.6	2.6	ug/Kg	08/13/14	C/P	SW8081
Methoxychlor	ND	10	10	ug/Kg	08/13/14	C/P	SW8081
Toxaphene	ND	260	260	ug/Kg	08/13/14	C/P	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	85			%	08/13/14	C/P	30 - 150 %
% TCMX	104			%	08/13/14	C/P	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	8.1	1.3	ug/Kg	08/14/14	RM	SW8260
1,1,1-Trichloroethane	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	8.1	1.1	ug/Kg	08/14/14	RM	SW8260
1,1,2-Trichloroethane	ND	8.1	0.79	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethane	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethene	ND	8.1	1.8	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloropropene	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	400	81	ug/Kg	08/15/14	RM	SW8260
1,2,3-Trichloropropane	ND	400	57	ug/Kg	08/15/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	400	81	ug/Kg	08/15/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	400	58	ug/Kg	08/15/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	400	110	ug/Kg	08/15/14	RM	SW8260
1,2-Dibromoethane	ND	8.1	2.1	ug/Kg	08/14/14	RM	SW8260
1,2-Dichlorobenzene	ND	400	44	ug/Kg	08/15/14	RM	SW8260
1,2-Dichloroethane	ND	8.1	0.71	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloropropane	ND	8.1	1.1	ug/Kg	08/14/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	400	53	ug/Kg	08/15/14	RM	SW8260
1,3-Dichlorobenzene	ND	400	60	ug/Kg	08/15/14	RM	SW8260
1,3-Dichloropropane	ND	8.1	0.85	ug/Kg	08/14/14	RM	SW8260
1,4-Dichlorobenzene	ND	400	64	ug/Kg	08/15/14	RM	SW8260
2,2-Dichloropropane	ND	8.1	1.4	ug/Kg	08/14/14	RM	SW8260
2-Chlorotoluene	ND	400	65	ug/Kg	08/15/14	RM	SW8260
2-Hexanone	ND	40	3.6	ug/Kg	08/14/14	RM	SW8260
2-Isopropyltoluene	ND	400	56	ug/Kg	08/15/14	RM	SW8260
4-Chlorotoluene	ND	400	47	ug/Kg	08/15/14	RM	SW8260
4-Methyl-2-pentanone	ND	40	1.9	ug/Kg	08/14/14	RM	SW8260
Acetone	35 JS	50	8.0	ug/Kg	08/14/14	RM	SW8260
Acrylonitrile	ND	16	4.5	ug/Kg	08/14/14	RM	SW8260
Benzene	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260
Bromobenzene	ND	400	52	ug/Kg	08/15/14	RM	SW8260
Bromochloromethane	ND	8.1	1.2	ug/Kg	08/14/14	RM	SW8260
Bromodichloromethane	ND	8.1	1.0	ug/Kg	08/14/14	RM	SW8260
Bromoform	ND	8.1	1.1	ug/Kg	08/14/14	RM	SW8260
Bromomethane	ND	8.1	6.2	ug/Kg	08/14/14	RM	SW8260
Carbon Disulfide	1.7 J	8.1	1.3	ug/Kg	08/14/14	RM	SW8260
Carbon tetrachloride	ND	8.1	0.94	ug/Kg	08/14/14	RM	SW8260
Chlorobenzene	ND	8.1	1.2	ug/Kg	08/14/14	RM	SW8260
Chloroethane	ND	8.1	1.9	ug/Kg	08/14/14	RM	SW8260
Chloroform	ND	8.1	1.5	ug/Kg	08/14/14	RM	SW8260
Chloromethane	ND	8.1	4.2	ug/Kg	08/14/14	RM	SW8260
cis-1,2-Dichloroethene	ND	8.1	1.8	ug/Kg	08/14/14	RM	SW8260
cis-1,3-Dichloropropene	ND	8.1	0.87	ug/Kg	08/14/14	RM	SW8260
Dibromochloromethane	ND	8.1	0.90	ug/Kg	08/14/14	RM	SW8260
Dibromomethane	ND	8.1	1.0	ug/Kg	08/14/14	RM	SW8260
Dichlorodifluoromethane	ND	8.1	2.1	ug/Kg	08/14/14	RM	SW8260
Ethylbenzene	ND	8.1	1.5	ug/Kg	08/14/14	RM	SW8260
Hexachlorobutadiene	ND	400	85	ug/Kg	08/15/14	RM	SW8260
Isopropylbenzene	ND	400	77	ug/Kg	08/15/14	RM	SW8260
m&p-Xylene	ND	8.1	3.2	ug/Kg	08/14/14	RM	SW8260
Methyl Ethyl Ketone	8.7 J	48	7.0	ug/Kg	08/14/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	16	2.2	ug/Kg	08/14/14	RM	SW8260
Methylene chloride	3.2 JBS	8.1	1.3	ug/Kg	08/14/14	RM	SW8260
Naphthalene	ND	400	110	ug/Kg	08/15/14	RM	SW8260
n-Butylbenzene	ND	400	73	ug/Kg	08/15/14	RM	SW8260
n-Propylbenzene	ND	400	73	ug/Kg	08/15/14	RM	SW8260
o-Xylene	ND	8.1	3.1	ug/Kg	08/14/14	RM	SW8260

1

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	400	58	ug/Kg	08/15/14	RM	SW8260
sec-Butylbenzene	ND	400	76	ug/Kg	08/15/14	RM	SW8260
Styrene	ND	8.1	2.3	ug/Kg	08/14/14	RM	SW8260
tert-Butylbenzene	ND	400	65	ug/Kg	08/15/14	RM	SW8260
Tetrachloroethene	ND	8.1	1.7	ug/Kg	08/14/14	RM	SW8260
Tetrahydrofuran (THF)	ND	16	7.3	ug/Kg	08/14/14	RM	SW8260
Toluene	ND	8.1	1.3	ug/Kg	08/14/14	RM	SW8260
trans-1,2-Dichloroethene	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260
trans-1,3-Dichloropropene	ND	8.1	1.6	ug/Kg	08/14/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	810	750	ug/Kg	08/15/14	RM	SW8260
Trichloroethene	ND	8.1	1.7	ug/Kg	08/14/14	RM	SW8260
Trichlorofluoromethane	ND	8.1	1.8	ug/Kg	08/14/14	RM	SW8260
Trichlorotrifluoroethane	ND	8.1	1.3	ug/Kg	08/14/14	RM	SW8260
Vinyl chloride	ND	8.1	2.6	ug/Kg	08/14/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	08/15/14	RM	70 - 121 %
% Bromofluorobenzene	93			%	08/15/14	RM	59 - 113 %
% Dibromofluoromethane	101			%	08/14/14	RM	70 - 130 %
% Toluene-d8	98			%	08/14/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	370	190	ug/Kg	08/12/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
1,2-Dichlorobenzene	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	170	ug/Kg	08/12/14	DD	SW 8270
1,3-Dichlorobenzene	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
1,4-Dichlorobenzene	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	370	290	ug/Kg	08/12/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	370	170	ug/Kg	08/12/14	DD	SW 8270
2,4-Dichlorophenol	ND	370	190	ug/Kg	08/12/14	DD	SW 8270
2,4-Dimethylphenol	ND	370	130	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrophenol	ND	2600	370	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrotoluene	ND	370	210	ug/Kg	08/12/14	DD	SW 8270
2,6-Dinitrotoluene	ND	370	170	ug/Kg	08/12/14	DD	SW 8270
2-Chloronaphthalene	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
2-Chlorophenol	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
2-Methylnaphthalene	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	330	250	ug/Kg	08/12/14	DD	SW 8270
2-Nitroaniline	ND	2600	530	ug/Kg	08/12/14	DD	SW 8270
2-Nitrophenol	ND	370	330	ug/Kg	08/12/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	290	J 370	210	ug/Kg	08/12/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1100	250	ug/Kg	08/12/14	DD	SW 8270
3-Nitroaniline	ND	2600	1100	ug/Kg	08/12/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2600	570	ug/Kg	08/12/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	370	190	ug/Kg	08/12/14	DD	SW 8270
4-Chloroaniline	ND	1100	240	ug/Kg	08/12/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	370	180	ug/Kg	08/12/14	DD	SW 8270
4-Nitroaniline	ND	2600	180	ug/Kg	08/12/14	DD	SW 8270
4-Nitrophenol	ND	2600	240	ug/Kg	08/12/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acenaphthene	240	J 370	160	ug/Kg	08/12/14	DD	SW 8270
Acenaphthylene	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Acetophenone	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
Aniline	ND	2600	1100	ug/Kg	08/12/14	DD	SW 8270
Anthracene	410	370	170	ug/Kg	08/12/14	DD	SW 8270
Benz(a)anthracene	750	370	180	ug/Kg	08/12/14	DD	SW 8270
Benzidine	ND	1100	310	ug/Kg	08/12/14	DD	SW 8270
Benzo(a)pyrene	710	370	170	ug/Kg	08/12/14	DD	SW 8270
Benzo(b)fluoranthene	820	370	180	ug/Kg	08/12/14	DD	SW 8270
Benzo(ghi)perylene	470	370	170	ug/Kg	08/12/14	DD	SW 8270
Benzo(k)fluoranthene	320	J 370	170	ug/Kg	08/12/14	DD	SW 8270
Benzoic acid	ND	2600	1100	ug/Kg	08/12/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	370	140	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	140	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	370	150	ug/Kg	08/12/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Carbazole	ND	2600	400	ug/Kg	08/12/14	DD	SW 8270
Chrysene	760	370	180	ug/Kg	08/12/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	330	170	ug/Kg	08/12/14	DD	SW 8270
Dibenzofuran	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Diethyl phthalate	ND	370	170	ug/Kg	08/12/14	DD	SW 8270
Dimethylphthalate	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
Di-n-butylphthalate	ND	370	140	ug/Kg	08/12/14	DD	SW 8270
Di-n-octylphthalate	ND	370	140	ug/Kg	08/12/14	DD	SW 8270
Fluoranthene	2000	370	170	ug/Kg	08/12/14	DD	SW 8270
Fluorene	200	J 370	170	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobenzene	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobutadiene	ND	370	190	ug/Kg	08/12/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
Hexachloroethane	ND	370	160	ug/Kg	08/12/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	370	370	170	ug/Kg	08/12/14	DD	SW 8270
Isophorone	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Naphthalene	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
Nitrobenzene	ND	370	180	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodimethylamine	ND	370	150	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	370	170	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	370	200	ug/Kg	08/12/14	DD	SW 8270
Pentachloronitrobenzene	ND	370	200	ug/Kg	08/12/14	DD	SW 8270
Pentachlorophenol	ND	370	200	ug/Kg	08/12/14	DD	SW 8270
Phenanthrene	2000	370	150	ug/Kg	08/12/14	DD	SW 8270
Phenol	ND	330	170	ug/Kg	08/12/14	DD	SW 8270
Pyrene	1900	370	180	ug/Kg	08/12/14	DD	SW 8270
Pyridine	ND	370	130	ug/Kg	08/12/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	75			%	08/12/14	DD	19 - 122 %
% 2-Fluorobiphenyl	68			%	08/12/14	DD	30 - 115 %
% 2-Fluorophenol	73			%	08/12/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	08/12/14	DD	23 - 120 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Phenol-d5	74			%	08/12/14	DD	24 - 113 %
% Terphenyl-d14	91			%	08/12/14	DD	18 - 137 %

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

B* = Present in blank, a bias is possible.

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

BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

Volatile Comment:

There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

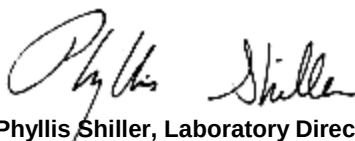
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14 11:00
08/11/14 16:20

Time

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91484

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B8 13-15 FT

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.46	0.46	0.46	mg/Kg	08/14/14	LK	SW6010
Aluminum	5230	46	9.3	mg/Kg	08/13/14	LK	SW6010
Arsenic	19.7	0.9	0.93	mg/Kg	08/14/14	LK	SW6010
Barium	169	0.9	0.46	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.41	0.37	0.19	mg/Kg	08/14/14	LK	SW6010
Calcium	5460	46	43	mg/Kg	08/13/14	LK	SW6010
Cadmium	0.22	B 0.46	0.19	mg/Kg	08/14/14	LK	SW6010
Cobalt	6.28	0.46	0.46	mg/Kg	08/14/14	LK	SW6010
Chromium	10.5	0.46	0.46	mg/Kg	08/14/14	LK	SW6010
Copper	47.5	* 0.46	0.46	mg/kg	08/14/14	LK	SW6010
Iron	12800	46	46	mg/Kg	08/13/14	LK	SW6010
Mercury	1.40	0.11	0.07	mg/Kg	08/12/14	MA	SW-7471
Potassium	611	N 9	3.6	mg/Kg	08/14/14	LK	SW6010
Magnesium	764	4.6	4.6	mg/Kg	08/14/14	LK	SW6010
Manganese	121	N 4.6	4.6	mg/Kg	08/13/14	LK	SW6010
Sodium	605	N 9	4.0	mg/Kg	08/14/14	LK	SW6010
Nickel	12.5	0.46	0.46	mg/Kg	08/14/14	LK	SW6010
Lead	607	N 9.3	4.6	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.3	2.3	2.3	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.9	1.9	1.6	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.9	1.9	1.9	mg/Kg	08/14/14	LK	SW6010
Vanadium	20.2	0.5	0.46	mg/Kg	08/14/14	LK	SW6010
Zinc	152	0.9	0.46	mg/Kg	08/14/14	LK	SW6010
Percent Solid	65			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Soil Extraction for SVOA	Completed				08/11/14	BB/VF	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	51	51	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	58			%	08/13/14	AW	30 - 150 %
% TCMX	58			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	3.7	3.7	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	3.7	3.7	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	3.7	3.7	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	12	12	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
g-BHC	ND	9.0	9.0	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	5.1	5.1	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	10	10	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	250	250	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	73			%	08/13/14	CE	30 - 150 %
% TCMX	69			%	08/13/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	380	63	ug/Kg	08/14/14	RM	SW8260
1,1,1-Trichloroethane	ND	380	77	ug/Kg	08/14/14	RM	SW8260
1,1,2,2-Tetrachloroethane	ND	380	55	ug/Kg	08/14/14	RM	SW8260
1,1,2-Trichloroethane	ND	380	38	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethane	ND	380	76	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloroethene	ND	380	84	ug/Kg	08/14/14	RM	SW8260
1,1-Dichloropropene	ND	380	75	ug/Kg	08/14/14	RM	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	380	77	ug/Kg	08/14/14	RM	SW8260
1,2,3-Trichloropropane	ND	380	55	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trichlorobenzene	ND	380	77	ug/Kg	08/14/14	RM	SW8260
1,2,4-Trimethylbenzene	ND	380	55	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromo-3-chloropropane	ND	380	100	ug/Kg	08/14/14	RM	SW8260
1,2-Dibromoethane	ND	380	100	ug/Kg	08/14/14	RM	SW8260
1,2-Dichlorobenzene	ND	380	42	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloroethane	ND	380	34	ug/Kg	08/14/14	RM	SW8260
1,2-Dichloropropane	ND	380	55	ug/Kg	08/14/14	RM	SW8260
1,3,5-Trimethylbenzene	ND	380	51	ug/Kg	08/14/14	RM	SW8260
1,3-Dichlorobenzene	ND	380	57	ug/Kg	08/14/14	RM	SW8260
1,3-Dichloropropane	ND	380	41	ug/Kg	08/14/14	RM	SW8260
1,4-Dichlorobenzene	ND	380	61	ug/Kg	08/14/14	RM	SW8260
2,2-Dichloropropane	ND	380	65	ug/Kg	08/14/14	RM	SW8260
2-Chlorotoluene	ND	380	62	ug/Kg	08/14/14	RM	SW8260
2-Hexanone	ND	1900	170	ug/Kg	08/14/14	RM	SW8260
2-Isopropyltoluene	64	J 380	53	ug/Kg	08/14/14	RM	SW8260
4-Chlorotoluene	ND	380	45	ug/Kg	08/14/14	RM	SW8260
4-Methyl-2-pentanone	ND	1900	92	ug/Kg	08/14/14	RM	SW8260
Acetone	ND	3800	380	ug/Kg	08/14/14	RM	SW8260
Acrylonitrile	ND	770	220	ug/Kg	08/14/14	RM	SW8260
Benzene	ND	380	76	ug/Kg	08/14/14	RM	SW8260
Bromobenzene	ND	380	50	ug/Kg	08/14/14	RM	SW8260
Bromochloromethane	ND	380	56	ug/Kg	08/14/14	RM	SW8260
Bromodichloromethane	ND	380	48	ug/Kg	08/14/14	RM	SW8260
Bromoform	ND	380	54	ug/Kg	08/14/14	RM	SW8260
Bromomethane	ND	380	300	ug/Kg	08/14/14	RM	SW8260
Carbon Disulfide	ND	380	62	ug/Kg	08/14/14	RM	SW8260
Carbon tetrachloride	ND	380	45	ug/Kg	08/14/14	RM	SW8260
Chlorobenzene	ND	380	57	ug/Kg	08/14/14	RM	SW8260
Chloroethane	ND	380	90	ug/Kg	08/14/14	RM	SW8260
Chloroform	ND	380	70	ug/Kg	08/14/14	RM	SW8260
Chloromethane	ND	380	200	ug/Kg	08/14/14	RM	SW8260
cis-1,2-Dichloroethene	ND	380	84	ug/Kg	08/14/14	RM	SW8260
cis-1,3-Dichloropropene	ND	380	42	ug/Kg	08/14/14	RM	SW8260
Dibromochloromethane	ND	380	43	ug/Kg	08/14/14	RM	SW8260
Dibromomethane	ND	380	48	ug/Kg	08/14/14	RM	SW8260
Dichlorodifluoromethane	ND	380	100	ug/Kg	08/14/14	RM	SW8260
Ethylbenzene	ND	380	70	ug/Kg	08/14/14	RM	SW8260
Hexachlorobutadiene	ND	380	81	ug/Kg	08/14/14	RM	SW8260
Isopropylbenzene	ND	380	74	ug/Kg	08/14/14	RM	SW8260
m&p-Xylene	ND	380	150	ug/Kg	08/14/14	RM	SW8260
Methyl Ethyl Ketone	ND	2300	330	ug/Kg	08/14/14	RM	SW8260
Methyl t-butyl ether (MTBE)	ND	770	110	ug/Kg	08/14/14	RM	SW8260
Methylene chloride	100	JBS 380	63	ug/Kg	08/14/14	RM	SW8260
Naphthalene	ND	380	100	ug/Kg	08/14/14	RM	SW8260
n-Butylbenzene	ND	380	70	ug/Kg	08/14/14	RM	SW8260
n-Propylbenzene	ND	380	69	ug/Kg	08/14/14	RM	SW8260
o-Xylene	ND	380	150	ug/Kg	08/14/14	RM	SW8260

1

B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	380	55	ug/Kg	08/14/14	RM	SW8260
sec-Butylbenzene	ND	380	72	ug/Kg	08/14/14	RM	SW8260
Styrene	ND	380	110	ug/Kg	08/14/14	RM	SW8260
tert-Butylbenzene	ND	380	62	ug/Kg	08/14/14	RM	SW8260
Tetrachloroethene	ND	380	81	ug/Kg	08/14/14	RM	SW8260
Tetrahydrofuran (THF)	ND	770	350	ug/Kg	08/14/14	RM	SW8260
Toluene	ND	380	61	ug/Kg	08/14/14	RM	SW8260
trans-1,2-Dichloroethene	ND	380	77	ug/Kg	08/14/14	RM	SW8260
trans-1,3-Dichloropropene	ND	380	78	ug/Kg	08/14/14	RM	SW8260
trans-1,4-dichloro-2-butene	ND	770	710	ug/Kg	08/14/14	RM	SW8260
Trichloroethene	ND	380	82	ug/Kg	08/14/14	RM	SW8260
Trichlorofluoromethane	ND	380	85	ug/Kg	08/14/14	RM	SW8260
Trichlorotrifluoroethane	ND	380	60	ug/Kg	08/14/14	RM	SW8260
Vinyl chloride	ND	380	120	ug/Kg	08/14/14	RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	08/14/14	RM	70 - 121 %
% Bromofluorobenzene	112			%	08/14/14	RM	59 - 113 %
% Dibromofluoromethane	92			%	08/14/14	RM	70 - 130 %
% Toluene-d8	99			%	08/14/14	RM	84 - 138 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	350	180	ug/Kg	08/12/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
1,2-Dichlorobenzene	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
1,3-Dichlorobenzene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
1,4-Dichlorobenzene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	350	270	ug/Kg	08/12/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
2,4-Dichlorophenol	ND	350	180	ug/Kg	08/12/14	DD	SW 8270
2,4-Dimethylphenol	ND	350	120	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrophenol	ND	2500	350	ug/Kg	08/12/14	DD	SW 8270
2,4-Dinitrotoluene	ND	350	200	ug/Kg	08/12/14	DD	SW 8270
2,6-Dinitrotoluene	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
2-Chloronaphthalene	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
2-Chlorophenol	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
2-Methylnaphthalene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	330	230	ug/Kg	08/12/14	DD	SW 8270
2-Nitroaniline	ND	2500	500	ug/Kg	08/12/14	DD	SW 8270
2-Nitrophenol	ND	350	320	ug/Kg	08/12/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	310	J 350	200	ug/Kg	08/12/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1000	240	ug/Kg	08/12/14	DD	SW 8270
3-Nitroaniline	ND	2500	1100	ug/Kg	08/12/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	2500	540	ug/Kg	08/12/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	350	180	ug/Kg	08/12/14	DD	SW 8270
4-Chloroaniline	ND	1000	230	ug/Kg	08/12/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	350	170	ug/Kg	08/12/14	DD	SW 8270
4-Nitroaniline	ND	2500	170	ug/Kg	08/12/14	DD	SW 8270
4-Nitrophenol	ND	2500	230	ug/Kg	08/12/14	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Acenaphthene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Acenaphthylene	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
Acetophenone	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Aniline	ND	2500	1000	ug/Kg	08/12/14	DD	SW 8270
Anthracene	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Benz(a)anthracene	ND	350	170	ug/Kg	08/12/14	DD	SW 8270
Benidine	ND	1000	290	ug/Kg	08/12/14	DD	SW 8270
Benzo(a)pyrene	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Benzo(b)fluoranthene	190	J 350	170	ug/Kg	08/12/14	DD	SW 8270
Benzo(ghi)perylene	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Benzo(k)fluoranthene	ND	350	170	ug/Kg	08/12/14	DD	SW 8270
Benzoic acid	ND	2500	1000	ug/Kg	08/12/14	DD	SW 8270
Benzyl butyl phthalate	ND	350	130	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	350	130	ug/Kg	08/12/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
Carbazole	ND	2500	380	ug/Kg	08/12/14	DD	SW 8270
Chrysene	180	J 350	170	ug/Kg	08/12/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	330	160	ug/Kg	08/12/14	DD	SW 8270
Dibenzofuran	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Diethyl phthalate	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Dimethylphthalate	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Di-n-butylphthalate	ND	350	130	ug/Kg	08/12/14	DD	SW 8270
Di-n-octylphthalate	ND	350	130	ug/Kg	08/12/14	DD	SW 8270
Fluoranthene	370	350	160	ug/Kg	08/12/14	DD	SW 8270
Fluorene	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobenzene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Hexachlorobutadiene	ND	350	180	ug/Kg	08/12/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Hexachloroethane	ND	350	150	ug/Kg	08/12/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	350	170	ug/Kg	08/12/14	DD	SW 8270
Isophorone	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
Naphthalene	490	350	140	ug/Kg	08/12/14	DD	SW 8270
Nitrobenzene	ND	350	170	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodimethylamine	ND	350	140	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	350	160	ug/Kg	08/12/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	350	190	ug/Kg	08/12/14	DD	SW 8270
Pentachloronitrobenzene	ND	350	190	ug/Kg	08/12/14	DD	SW 8270
Pentachlorophenol	ND	350	190	ug/Kg	08/12/14	DD	SW 8270
Phenanthrene	360	350	140	ug/Kg	08/12/14	DD	SW 8270
Phenol	ND	330	160	ug/Kg	08/12/14	DD	SW 8270
Pyrene	360	350	170	ug/Kg	08/12/14	DD	SW 8270
Pyridine	ND	350	120	ug/Kg	08/12/14	DD	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74			%	08/12/14	DD	19 - 122 %
% 2-Fluorobiphenyl	63			%	08/12/14	DD	30 - 115 %
% 2-Fluorophenol	74			%	08/12/14	DD	25 - 121 %
% Nitrobenzene-d5	67			%	08/12/14	DD	23 - 120 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Phenol-d5	74			%	08/12/14	DD	24 - 113 %
% Terphenyl-d14	83			%	08/12/14	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 J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

Volatile Comment:

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

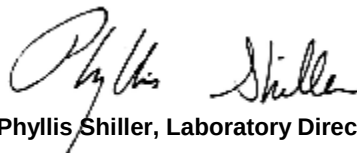
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

9:00
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91485

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B1 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.44	0.44	0.44	mg/Kg	08/14/14	LK	SW6010
Aluminum	7530	44	8.8	mg/Kg	08/13/14	LK	SW6010
Arsenic	20.3	0.9	0.88	mg/Kg	08/14/14	LK	SW6010
Barium	423	0.9	0.44	mg/Kg	08/14/14	LK	SW6010
Beryllium	1.62	0.35	0.18	mg/Kg	08/14/14	LK	SW6010
Calcium	38500	44	40	mg/Kg	08/13/14	LK	SW6010
Cadmium	1.08	0.44	0.18	mg/Kg	08/14/14	LK	SW6010
Cobalt	60.3	0.44	0.44	mg/Kg	08/14/14	LK	SW6010
Chromium	60.9	0.44	0.44	mg/Kg	08/14/14	LK	SW6010
Copper	332	* 4.4	4.4	mg/kg	08/13/14	LK	SW6010
Iron	37000	44	44	mg/Kg	08/13/14	LK	SW6010
Mercury	0.67	0.08	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	1250	N 9	3.4	mg/Kg	08/14/14	LK	SW6010
Magnesium	6310	4.4	4.4	mg/Kg	08/14/14	LK	SW6010
Manganese	335	N 4.4	4.4	mg/Kg	08/13/14	LK	SW6010
Sodium	591	N 9	3.8	mg/Kg	08/14/14	LK	SW6010
Nickel	38.4	0.44	0.44	mg/Kg	08/14/14	LK	SW6010
Lead	683	N 8.8	4.4	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.2	2.2	2.2	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.8	B 1.8	1.5	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.8	1.8	1.8	mg/Kg	08/14/14	LK	SW6010
Vanadium	18.6	0.4	0.44	mg/Kg	08/14/14	LK	SW6010
Zinc	1920	88	44	mg/Kg	08/13/14	LK	SW6010
Percent Solid	78			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	730	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	41	41	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	61			%	08/13/14	AW	30 - 150 %
% TCMX	43			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	15	15	ug/Kg	08/15/14	KCA	SW8081
4,4' -DDE	ND	15	15	ug/Kg	08/15/14	KCA	SW8081
4,4' -DDT	ND	15	15	ug/Kg	08/15/14	KCA	SW8081
a-BHC	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
a-Chlordane	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Aldrin	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
b-BHC	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
d-BHC	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
Dieldrin	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
Endosulfan I	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Endosulfan II	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Endosulfan sulfate	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Endrin	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
Endrin aldehyde	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Endrin ketone	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
g-BHC	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
g-Chlordane	ND	21	21	ug/Kg	08/15/14	KCA	SW8081
Heptachlor	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
Heptachlor epoxide	ND	10	10	ug/Kg	08/15/14	KCA	SW8081
Methoxychlor	ND	41	41	ug/Kg	08/15/14	KCA	SW8081
Toxaphene	ND	1000	1000	ug/Kg	08/15/14	KCA	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	127			%	08/15/14	KCA	30 - 150 %
% TCMX	69			%	08/15/14	KCA	30 - 150 %

Client ID: B1 FILL

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

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

Comments:

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

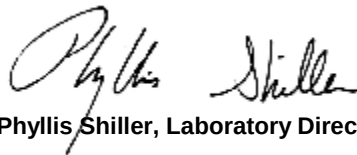
Pesticide Comment:

Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

10:00
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91486

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B5 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	1.10	0.36	0.36	mg/Kg	08/14/14	LK	SW6010
Aluminum	2330	36	7.2	mg/Kg	08/13/14	LK	SW6010
Arsenic	28.3	0.7	0.72	mg/Kg	08/14/14	LK	SW6010
Barium	156	0.7	0.36	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.15	B 0.29	0.14	mg/Kg	08/14/14	LK	SW6010
Calcium	79100	36	33	mg/Kg	08/13/14	LK	SW6010
Cadmium	2.43	0.36	0.14	mg/Kg	08/14/14	LK	SW6010
Cobalt	15.6	0.36	0.36	mg/Kg	08/14/14	LK	SW6010
Chromium	22.8	0.36	0.36	mg/Kg	08/14/14	LK	SW6010
Copper	553	* 3.6	3.6	mg/kg	08/13/14	LK	SW6010
Iron	133000	360	360	mg/Kg	08/13/14	LK	SW6010
Mercury	1.17	0.09	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	454	N 7	2.8	mg/Kg	08/14/14	LK	SW6010
Magnesium	625	3.6	3.6	mg/Kg	08/14/14	LK	SW6010
Manganese	684	N 3.6	3.6	mg/Kg	08/13/14	LK	SW6010
Sodium	159	N 7	3.1	mg/Kg	08/14/14	LK	SW6010
Nickel	22.6	0.36	0.36	mg/Kg	08/14/14	LK	SW6010
Lead	1160	N 7.2	3.6	mg/Kg	08/13/14	LK	SW6010
Antimony	37.3	1.8	1.8	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.4	1.4	1.4	mg/Kg	08/14/14	LK	SW6010
Vanadium	14.6	0.4	0.36	mg/Kg	08/14/14	LK	SW6010
Zinc	345	7.2	3.6	mg/Kg	08/13/14	LK	SW6010
Percent Solid	90			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	36	36	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	97			%	08/13/14	AW	30 - 150 %
% TCMX	92			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	35	35	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	14	14	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
g-BHC	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	1.8	1.8	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	7.3	7.3	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	180	180	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	137			%	08/13/14	CE	30 - 150 %
% TCMX	104			%	08/13/14	CE	30 - 150 %

Client ID: B5 FILL

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

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

Comments:

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

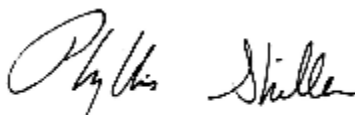
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

10:45
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91487

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B7 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	0.59	0.38	0.38	mg/Kg	08/14/14	LK	SW6010
Aluminum	4680	38	7.5	mg/Kg	08/13/14	LK	SW6010
Arsenic	23.6	0.8	0.75	mg/Kg	08/14/14	LK	SW6010
Barium	786	0.8	0.38	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.43	0.30	0.15	mg/Kg	08/14/14	LK	SW6010
Calcium	6710	38	35	mg/Kg	08/13/14	LK	SW6010
Cadmium	2.95	0.38	0.15	mg/Kg	08/14/14	LK	SW6010
Cobalt	12.0	0.38	0.38	mg/Kg	08/14/14	LK	SW6010
Chromium	67.5	0.38	0.38	mg/Kg	08/14/14	LK	SW6010
Copper	845	* 3.8	3.8	mg/kg	08/13/14	LK	SW6010
Iron	49300	38	38	mg/Kg	08/13/14	LK	SW6010
Mercury	2.84	0.08	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	1090	N 8	2.9	mg/Kg	08/14/14	LK	SW6010
Magnesium	1280	3.8	3.8	mg/Kg	08/14/14	LK	SW6010
Manganese	719	N 3.8	3.8	mg/Kg	08/13/14	LK	SW6010
Sodium	341	N 8	3.2	mg/Kg	08/14/14	LK	SW6010
Nickel	26.0	0.38	0.38	mg/Kg	08/14/14	LK	SW6010
Lead	1830	N 75	38	mg/Kg	08/13/14	LK	SW6010
Antimony	34.4	1.9	1.9	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.5	1.5	1.5	mg/Kg	08/14/14	LK	SW6010
Vanadium	21.9	0.4	0.38	mg/Kg	08/14/14	LK	SW6010
Zinc	1250	7.5	3.8	mg/Kg	08/13/14	LK	SW6010
Percent Solid	85			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	39	39	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	84			%	08/13/14	AW	30 - 150 %
% TCMX	80			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	2.8	2.8	ug/Kg	08/13/14	CE	SW8081
4,4' -DDE	ND	2.8	2.8	ug/Kg	08/13/14	CE	SW8081
4,4' -DDT	ND	5.5	5.5	ug/Kg	08/13/14	CE	SW8081
a-BHC	ND	1.9	1.9	ug/Kg	08/13/14	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	08/13/14	CE	SW8081
Aldrin	ND	2.5	2.5	ug/Kg	08/13/14	CE	SW8081
b-BHC	ND	36	36	ug/Kg	08/13/14	CE	SW8081
d-BHC	ND	5.0	5.0	ug/Kg	08/13/14	CE	SW8081
Dieldrin	ND	1.9	1.9	ug/Kg	08/13/14	CE	SW8081
Endosulfan I	ND	3.9	3.9	ug/Kg	08/13/14	CE	SW8081
Endosulfan II	ND	3.9	3.9	ug/Kg	08/13/14	CE	SW8081
Endosulfan sulfate	ND	3.9	3.9	ug/Kg	08/13/14	CE	SW8081
Endrin	ND	6.0	6.0	ug/Kg	08/13/14	CE	SW8081
Endrin aldehyde	ND	6.0	6.0	ug/Kg	08/13/14	CE	SW8081
Endrin ketone	ND	1.9	1.9	ug/Kg	08/13/14	CE	SW8081
g-BHC	81	1.9	1.9	ug/Kg	08/13/14	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	08/13/14	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	08/13/14	CE	SW8081
Heptachlor epoxide	ND	3.0	3.0	ug/Kg	08/13/14	CE	SW8081
Methoxychlor	ND	7.8	7.8	ug/Kg	08/13/14	CE	SW8081
Toxaphene	ND	190	190	ug/Kg	08/13/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	137			%	08/13/14	CE	30 - 150 %
% TCMX	78			%	08/13/14	CE	30 - 150 %

Client ID: B7 FILL

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

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

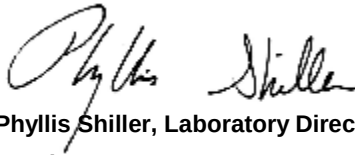
Comments:

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.

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

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

Sample Information

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

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

08/07/14
08/11/14

Time

11:30
16:20

Laboratory Data

SDG ID: GBG91480
Phoenix ID: BG91488

Project ID: 262 GREEN ST BROOKLYN NY
Client ID: B8 FILL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.40	mg/Kg	08/14/14	LK	SW6010
Aluminum	5000	40	8.0	mg/Kg	08/13/14	LK	SW6010
Arsenic	11.4	0.8	0.80	mg/Kg	08/14/14	LK	SW6010
Barium	250	0.8	0.40	mg/Kg	08/14/14	LK	SW6010
Beryllium	0.30	B 0.32	0.16	mg/Kg	08/14/14	LK	SW6010
Calcium	31900	40	37	mg/Kg	08/13/14	LK	SW6010
Cadmium	0.35	B 0.40	0.16	mg/Kg	08/14/14	LK	SW6010
Cobalt	5.30	0.40	0.40	mg/Kg	08/14/14	LK	SW6010
Chromium	20.9	0.40	0.40	mg/Kg	08/14/14	LK	SW6010
Copper	171	* 4.0	4.0	mg/kg	08/13/14	LK	SW6010
Iron	17600	40	40	mg/Kg	08/13/14	LK	SW6010
Mercury	0.24	0.08	0.05	mg/Kg	08/12/14	MA	SW-7471
Potassium	1890	N 8	3.1	mg/Kg	08/14/14	LK	SW6010
Magnesium	2130	4.0	4.0	mg/Kg	08/14/14	LK	SW6010
Manganese	115	N 4.0	4.0	mg/Kg	08/13/14	LK	SW6010
Sodium	415	N 8	3.4	mg/Kg	08/14/14	LK	SW6010
Nickel	11.1	0.40	0.40	mg/Kg	08/14/14	LK	SW6010
Lead	1600	N 80	40	mg/Kg	08/13/14	LK	SW6010
Antimony	< 2.0	2.0	2.0	mg/Kg	08/14/14	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	08/14/14	LK	SW6010
Thallium	< 1.6	1.6	1.6	mg/Kg	08/14/14	LK	SW6010
Vanadium	14.9	0.4	0.40	mg/Kg	08/14/14	LK	SW6010
Zinc	208	8.0	4.0	mg/Kg	08/13/14	LK	SW6010
Percent Solid	82			%	08/11/14	I	E160.3
Soil Extraction for PCB	Completed				08/11/14	BB	SW3545
Soil Extraction for Pesticide	Completed				08/11/14	BB/F	SW3545
Mercury Digestion	Completed				08/12/14	I/I	SW7471
Total Metals Digest	Completed				08/11/14	CB/AG	SW846 - 3050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
<u>Polychlorinated Biphenyls</u>							
PCB-1016	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1221	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1232	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1242	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1248	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1254	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1260	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1262	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
PCB-1268	ND	40	40	ug/Kg	08/13/14	AW	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	93			%	08/13/14	AW	30 - 150 %
% TCMX	74			%	08/13/14	AW	30 - 150 %
<u>Pesticides - Soil</u>							
4,4' -DDD	ND	29	29	ug/Kg	08/15/14	CE	SW8081
4,4' -DDE	ND	29	29	ug/Kg	08/15/14	CE	SW8081
4,4' -DDT	ND	29	29	ug/Kg	08/15/14	CE	SW8081
a-BHC	ND	20	20	ug/Kg	08/15/14	CE	SW8081
a-Chlordane	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Aldrin	ND	20	20	ug/Kg	08/15/14	CE	SW8081
b-BHC	ND	20	20	ug/Kg	08/15/14	CE	SW8081
d-BHC	ND	25	25	ug/Kg	08/15/14	CE	SW8081
Dieldrin	ND	20	20	ug/Kg	08/15/14	CE	SW8081
Endosulfan I	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Endosulfan II	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Endosulfan sulfate	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Endrin	ND	30	30	ug/Kg	08/15/14	CE	SW8081
Endrin aldehyde	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Endrin ketone	ND	20	20	ug/Kg	08/15/14	CE	SW8081
g-BHC	ND	20	20	ug/Kg	08/15/14	CE	SW8081
g-Chlordane	ND	40	40	ug/Kg	08/15/14	CE	SW8081
Heptachlor	91	20	20	ug/Kg	08/15/14	CE	SW8081
Heptachlor epoxide	ND	20	20	ug/Kg	08/15/14	CE	SW8081
Methoxychlor	ND	80	80	ug/Kg	08/15/14	CE	SW8081
Toxaphene	ND	2000	2000	ug/Kg	08/15/14	CE	SW8081
<u>QA/QC Surrogates</u>							
% DCBP	Diluted Out			%	08/15/14	CE	30 - 150 %
% TCMX	Diluted Out			%	08/15/14	CE	30 - 150 %

Client ID: B8 FILL

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

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

Comments:

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

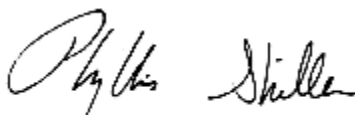
Pesticide Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director

October 23, 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

October 23, 2014

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 282864, QC Sample No: BG91480 (BG91480, BG91481, BG91482, BG91483, BG91484, BG91485, BG91486, BG91487, BG91488)												
ICP Metals - Soil												
Aluminum	BRL	7380	7130	3.40	106	103	2.9	NC	NC	NC	80 - 120	30
Antimony	BRL	6.3	<5.0	NC	98.8	91.2	8.0	78.9	76.6	3.0	70 - 130	30
Arsenic	BRL	16.3	17.9	9.40	97.3	95.8	1.6	81.8	75.7	7.7	80 - 120	30
Barium	BRL	328	274	17.9	104	102	1.9	77.3	83.3	7.5	80 - 120	30
Beryllium	BRL	0.64	0.72	NC	99.5	99.6	0.1	82.8	78.5	5.3	80 - 120	30
Cadmium	BRL	0.53	0.51	NC	99.5	96.2	3.4	79.6	76.0	4.6	80 - 120	30
Calcium	BRL	17000	19000	11.1	103	96.2	6.8	NC	NC	NC	80 - 120	30
Chromium	BRL	17.5	17.1	2.30	103	102	1.0	85.9	79.8	7.4	80 - 120	30
Cobalt	BRL	8.32	8.29	0.40	103	100	3.0	84.8	80.0	5.8	80 - 120	30
Copper	BRL	63.5	86.0	30.1	104	105	1.0	98.2	82.8	17.0	80 - 120	30
Iron	BRL	11800	12400	5.00	115	108	6.3	NC	NC	NC	80 - 120	30
Lead	BRL	848	776	8.90	106	97.0	8.9	>130	>130	NC	80 - 120	30 m
Magnesium	BRL	1210	1370	12.4	101	102	1.0	NC	NC	NC	80 - 120	30
Manganese	BRL	256	288	11.8	103	96.8	6.2	>130	126	NC	80 - 120	30 m
Nickel	BRL	18.1	18.0	0.60	99.2	97.1	2.1	82.8	77.1	7.1	80 - 120	30
Potassium	BRL	1350	1180	13.4	109	110	0.9	129	79.5	47.5	80 - 120	30 m,r
Selenium	BRL	4.9	<2.0	NC	90.7	87.5	3.6	75.0	98.6	27.2	80 - 120	30
Silver	BRL	<0.55	<0.50	NC	105	102	2.9	88.1	83.3	5.6	70 - 130	30
Sodium	BRL	869	1160	28.7	100	100	0.0	>130	24.6	NC	80 - 120	30 m
Thallium	BRL	<2.2	<4.5	NC	101	100	1.0	82.0	77.8	5.3	80 - 120	30
Vanadium	BRL	32.1	30.0	6.80	110	105	4.7	83.9	76.6	9.1	80 - 120	30
Zinc	BRL	285	298	4.50	99.5	99.0	0.5	97.4	117	18.3	80 - 120	30
QA/QC Batch 282900, QC Sample No: BG91549 (BG91480, BG91481, BG91482, BG91483, BG91484, BG91485, BG91486, BG91487, BG91488)												
Mercury - Soil	BRL	<0.06	<0.08	NC	101	94.5	6.6	102	106	3.8	75 - 125	30

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

r = This parameter is outside laboratory rpd 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

October 23, 2014

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
-----------	-------	----------	-----------	------------	---------	----------	-----------	--------------------	--------------------

QA/QC Batch 283356, QC Sample No: BG86877 (BG91481 (50X) , BG91483 (50X))

Volatiles - Solid

1,2,3-Trichlorobenzene	ND	106	110	3.7	101	107	5.8	70 - 130	30
1,2,3-Trichloropropane	ND	92	95	3.2	96	89	7.6	70 - 130	30
1,2,4-Trichlorobenzene	ND	108	108	0.0	104	111	6.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	98	98	0.0	101	103	2.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	108	114	5.4	97	98	1.0	70 - 130	30
1,2-Dichlorobenzene	ND	106	107	0.9	103	105	1.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	101	102	1.0	100	101	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	110	109	0.9	107	110	2.8	70 - 130	30
1,4-Dichlorobenzene	ND	108	107	0.9	106	108	1.9	70 - 130	30
2-Chlorotoluene	ND	104	105	1.0	101	103	2.0	70 - 130	30
2-Isopropyltoluene	ND	101	101	0.0	104	106	1.9	70 - 130	30
4-Chlorotoluene	ND	106	107	0.9	104	106	1.9	70 - 130	30
Bromobenzene	ND	106	107	0.9	103	103	0.0	70 - 130	30
Hexachlorobutadiene	ND	109	110	0.9	105	110	4.7	70 - 130	30
Isopropylbenzene	ND	102	103	1.0	101	102	1.0	70 - 130	30
Naphthalene	ND	102	105	2.9	96	102	6.1	70 - 130	30
n-Butylbenzene	ND	100	102	2.0	102	106	3.8	70 - 130	30
n-Propylbenzene	ND	99	99	0.0	102	105	2.9	70 - 130	30
p-Isopropyltoluene	ND	104	105	1.0	104	106	1.9	70 - 130	30
sec-Butylbenzene	ND	104	106	1.9	101	103	2.0	70 - 130	30
tert-Butylbenzene	ND	101	102	1.0	100	101	1.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	106	109	2.8	95	98	3.1	70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	101	1.0	100	99	1.0	70 - 121	30
% Bromofluorobenzene	92	99	98	1.0	100	99	1.0	59 - 113	30

QA/QC Batch 283346, QC Sample No: BG91480 (BG91480 (50X) , BG91481, BG91482 (50, 1X) , BG91483, BG91484 (50X))

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	108	113	4.5	110	111	0.9	70 - 130	30	
1,1,1-Trichloroethane	ND	98	101	3.0	96	93	3.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	107	105	1.9	INT	INT	NC	70 - 130	30	
1,1,2-Trichloroethane	ND	108	111	2.7	172	177	2.9	70 - 130	30	m
1,1-Dichloroethane	ND	93	82	12.6	98	97	1.0	70 - 130	30	
1,1-Dichloroethene	ND	90	95	5.4	85	82	3.6	70 - 130	30	
1,1-Dichloropropene	ND	106	113	6.4	109	109	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	104	1.0	96	102	6.1	70 - 130	30	
1,2,3-Trichloropropane	ND	93	91	2.2	68	75	9.8	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	103	102	1.0	102	107	4.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	95	2.1	91	92	1.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	114	112	1.8	84	90	6.9	70 - 130	30	
1,2-Dibromoethane	ND	111	114	2.7	102	104	1.9	70 - 130	30	
1,2-Dichlorobenzene	ND	101	102	1.0	95	98	3.1	70 - 130	30	
1,2-Dichloroethane	ND	96	102	6.1	92	92	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichloropropane	ND	105	110	4.7	105	103	1.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	95	99	4.1	91	91	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	103	105	1.9	98	100	2.0	70 - 130	30	
1,3-Dichloropropane	ND	100	102	2.0	100	100	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	101	102	1.0	98	101	3.0	70 - 130	30	
2,2-Dichloropropane	ND	97	101	4.0	92	91	1.1	70 - 130	30	
2-Chlorotoluene	ND	97	100	3.0	88	97	9.7	70 - 130	30	
2-Hexanone	ND	87	87	0.0	127	138	8.3	70 - 130	30	m
2-Isopropyltoluene	ND	95	99	4.1	108	111	2.7	70 - 130	30	
4-Chlorotoluene	ND	99	103	4.0	93	93	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	98	98	0.0	127	130	2.3	70 - 130	30	
Acetone	ND	89	86	3.4	68	67	1.5	70 - 130	30	m
Acrylonitrile	ND	105	83	23.4	97	98	1.0	70 - 130	30	
Benzene	ND	107	113	5.5	106	105	0.9	70 - 130	30	
Bromobenzene	ND	101	104	2.9	84	86	2.4	70 - 130	30	
Bromochloromethane	ND	114	117	2.6	105	104	1.0	70 - 130	30	
Bromodichloromethane	ND	114	118	3.4	95	97	2.1	70 - 130	30	
Bromoform	ND	128	128	0.0	100	104	3.9	70 - 130	30	
Bromomethane	ND	95	107	11.9	57	57	0.0	70 - 130	30	m
Carbon Disulfide	ND	100	108	7.7	88	87	1.1	70 - 130	30	
Carbon tetrachloride	ND	107	115	7.2	97	98	1.0	70 - 130	30	
Chlorobenzene	ND	101	106	4.8	104	104	0.0	70 - 130	30	
Chloroethane	ND	84	93	10.2	28	28	0.0	70 - 130	30	m
Chloroform	ND	98	101	3.0	97	94	3.1	70 - 130	30	
Chloromethane	ND	95	96	1.0	101	101	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	104	110	5.6	103	102	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	111	115	3.5	104	104	0.0	70 - 130	30	
Dibromochloromethane	ND	122	124	1.6	103	105	1.9	70 - 130	30	
Dibromomethane	ND	106	108	1.9	100	99	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	107	112	4.6	116	115	0.9	70 - 130	30	
Ethylbenzene	ND	102	106	3.8	110	110	0.0	70 - 130	30	
Hexachlorobutadiene	ND	104	108	3.8	82	85	3.6	70 - 130	30	
Isopropylbenzene	ND	96	100	4.1	90	91	1.1	70 - 130	30	
m&p-Xylene	ND	101	106	4.8	113	113	0.0	70 - 130	30	
Methyl ethyl ketone	ND	91	86	5.6	93	98	5.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	97	101	4.0	91	92	1.1	70 - 130	30	
Methylene chloride	1.4 JBS	83	86	3.6	79	78	1.3	70 - 130	30	
Naphthalene	ND	103	103	0.0	93	102	9.2	70 - 130	30	
n-Butylbenzene	ND	94	97	3.1	95	97	2.1	70 - 130	30	
n-Propylbenzene	ND	93	96	3.2	89	92	3.3	70 - 130	30	
o-Xylene	ND	104	109	4.7	105	106	0.9	70 - 130	30	
p-Isopropyltoluene	ND	98	102	4.0	97	99	2.0	70 - 130	30	
sec-Butylbenzene	ND	98	102	4.0	90	93	3.3	70 - 130	30	
Styrene	ND	98	102	4.0	105	105	0.0	70 - 130	30	
tert-Butylbenzene	ND	95	99	4.1	112	115	2.6	70 - 130	30	
Tetrachloroethene	ND	104	110	5.6	116	116	0.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	98	96	2.1	89	95	6.5	70 - 130	30	
Toluene	ND	106	111	4.6	106	104	1.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	91	94	3.2	87	84	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	111	114	2.7	98	97	1.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	106	0.9	79	85	7.3	70 - 130	30	
Trichloroethene	ND	106	114	7.3	106	103	2.9	70 - 130	30	
Trichlorofluoromethane	ND	89	96	7.6	18	19	5.4	70 - 130	30	m

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Trichlorotrifluoroethane	ND	91	96	5.3	96	95	1.0	70 - 130	30
Vinyl chloride	ND	90	96	6.5	102	97	5.0	70 - 130	30
% 1,2-dichlorobenzene-d4	100	101	101	0.0	101	104	2.9	70 - 121	30
% Bromofluorobenzene	94	102	101	1.0	128	130	1.6	59 - 113	30
% Dibromofluoromethane	98	101	103	2.0	100	101	1.0	70 - 130	30
% Toluene-d8	101	101	103	2.0	109	108	0.9	84 - 138	30

Comment:

INT - interference with co-eluting material with the same quant ion.

QA/QC Batch 282872, QC Sample No: BG91498 (BG91480, BG91481, BG91482, BG91483, BG91484, BG91485, BG91486, BG91487, BG91488)

Pesticides - Solid

4,4' -DDD	ND	94	95	1.1	99	93	6.3	30 - 150	30
4,4' -DDE	ND	94	101	7.2	99	95	4.1	50 - 150	30
4,4' -DDT	ND	95	99	4.1	98	94	4.2	30 - 150	50
a-BHC	ND	98	87	11.9	101	93	8.2	30 - 150	30
a-Chlordane	ND	93	95	2.1	98	93	5.2	30 - 150	30
Aldrin	ND	82	76	7.6	82	77	6.3	30 - 150	43
b-BHC	ND	114	117	2.6	121	109	10.4	30 - 150	30
d-BHC	ND	97	110	12.6	103	100	3.0	30 - 150	30
Dieldrin	ND	94	95	1.1	98	92	6.3	30 - 130	38
Endosulfan I	ND	94	96	2.1	102	99	3.0	30 - 150	30
Endosulfan II	ND	84	84	0.0	105	100	4.9	30 - 150	30
Endosulfan sulfate	ND	75	78	3.9	86	79	8.5	50 - 120	30
Endrin	ND	102	102	0.0	107	100	6.8	50 - 120	45
Endrin aldehyde	ND	89	89	0.0	102	92	10.3	30 - 150	30
Endrin ketone	ND	90	90	0.0	95	88	7.7	30 - 150	30
g-BHC	ND	104	137	27.4	116	114	1.7	50 - 120	50
g-Chlordane	ND	93	96	3.2	98	93	5.2	30 - 130	30
Heptachlor	ND	98	99	1.0	100	94	6.2	30 - 150	31
Heptachlor epoxide	ND	94	99	5.2	103	96	7.0	50 - 150	30
Methoxychlor	ND	96	95	1.0	99	98	1.0	30 - 150	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	30 - 150	30
% DCBP	111	113	113	0.0	113	108	4.5	30 - 150	30
% TCMX	103	104	107	2.8	108	102	5.7	30 - 150	30

Comment:

Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported in the LCS, LCSD, MS and MSD.

QA/QC Batch 282870, QC Sample No: BG91498 (BG91480, BG91481, BG91482, BG91483, BG91484, BG91485, BG91486, BG91487, BG91488)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	92	92	0.0	95	91	4.3	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	88	90	2.2	91	88	3.4	30 - 150	20
PCB-1262	ND							30 - 150	30
PCB-1268	ND							30 - 150	30
% DCBP (Surrogate Rec)	78	102	103	1.0	101	99	2.0	30 - 150	20
% TCMX (Surrogate Rec)	64	105	104	1.0	107	104	2.8	30 - 150	20

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 282866, QC Sample No: BG91498 (BG91480, BG91481, BG91482, BG91483, BG91484)									
Semivolatiles - Solid									
1,2,4,5-Tetrachlorobenzene	ND	100			94	92	2.2	30 - 130	30
1,2,4-Trichlorobenzene	ND	100			89	90	1.1	30 - 130	30
1,2-Dichlorobenzene	ND	86			75	78	3.9	30 - 130	30
1,2-Diphenylhydrazine	ND	111			85	94	10.1	30 - 130	30
1,3-Dichlorobenzene	ND	85			74	78	5.3	30 - 130	30
1,4-Dichlorobenzene	ND	84			73	76	4.0	30 - 130	30
2,4,5-Trichlorophenol	ND	102			92	93	1.1	30 - 130	30
2,4,6-Trichlorophenol	ND	98			88	87	1.1	30 - 130	30
2,4-Dichlorophenol	ND	101			94	93	1.1	30 - 130	30
2,4-Dimethylphenol	ND	64			62	64	3.2	30 - 130	30
2,4-Dinitrophenol	ND	39			14	<10	NC	30 - 130	30 m
2,4-Dinitrotoluene	ND	90			85	88	3.5	30 - 130	30
2,6-Dinitrotoluene	ND	94			85	87	2.3	30 - 130	30
2-Chloronaphthalene	ND	99			88	92	4.4	30 - 130	30
2-Chlorophenol	ND	91			80	84	4.9	30 - 130	30
2-Methylnaphthalene	ND	97			88	90	2.2	30 - 130	30
2-Methylphenol (o-cresol)	ND	86			77	81	5.1	30 - 130	30
2-Nitroaniline	ND	116			115	123	6.7	30 - 130	30
2-Nitrophenol	ND	95			84	91	8.0	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	91			80	85	6.1	30 - 130	30
3,3'-Dichlorobenzidine	ND	93			127	114	10.8	30 - 130	30
3-Nitroaniline	ND	92			109	109	0.0	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	71			71	69	2.9	30 - 130	30
4-Bromophenyl phenyl ether	ND	103			91	89	2.2	30 - 130	30
4-Chloro-3-methylphenol	ND	100			92	94	2.2	30 - 130	30
4-Chloroaniline	ND	45			77	73	5.3	30 - 130	30
4-Chlorophenyl phenyl ether	ND	98			90	89	1.1	30 - 130	30
4-Nitroaniline	ND	97			86	96	11.0	30 - 130	30
4-Nitrophenol	ND	83			78	82	5.0	30 - 130	30
Acenaphthene	ND	91			80	82	2.5	30 - 130	30
Acenaphthylene	ND	92			84	87	3.5	30 - 130	30
Acetophenone	ND	92			80	86	7.2	30 - 130	30
Aniline	ND	62			76	75	1.3	30 - 130	30
Anthracene	ND	96			88	89	1.1	30 - 130	30
Benz(a)anthracene	ND	87			82	82	0.0	30 - 130	30
Benzidine	ND	>200			112	133	17.1	30 - 130	30 l,m
Benzo(a)pyrene	ND	93			86	88	2.3	30 - 130	30
Benzo(b)fluoranthene	ND	100			83	88	5.8	30 - 130	30
Benzo(ghi)perylene	ND	84			84	83	1.2	30 - 130	30
Benzo(k)fluoranthene	ND	92			86	91	5.6	30 - 130	30
Benzoic Acid	ND	32			<10	<10	NC	30 - 130	30 m
Benzyl butyl phthalate	ND	99			83	88	5.8	30 - 130	30
Bis(2-chloroethoxy)methane	ND	99			85	89	4.6	30 - 130	30
Bis(2-chloroethyl)ether	ND	87			74	81	9.0	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	93			74	86	15.0	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	110			88	93	5.5	30 - 130	30
Carbazole	ND	132			125	128	2.4	30 - 130	30 l
Chrysene	ND	92			86	88	2.3	30 - 130	30
Dibenz(a,h)anthracene	ND	85			85	83	2.4	30 - 130	30
Dibenzofuran	ND	91			84	86	2.4	30 - 130	30

QA/QC Data

SDG I.D.: GBG91480

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	96			85	87	2.3	30 - 130	30
Dimethylphthalate	ND	96			85	86	1.2	30 - 130	30
Di-n-butylphthalate	ND	105			88	89	1.1	30 - 130	30
Di-n-octylphthalate	ND	111			90	94	4.3	30 - 130	30
Fluoranthene	ND	93			88	89	1.1	30 - 130	30
Fluorene	ND	94			87	89	2.3	30 - 130	30
Hexachlorobenzene	ND	105			87	91	4.5	30 - 130	30
Hexachlorobutadiene	ND	97			87	86	1.2	30 - 130	30
Hexachlorocyclopentadiene	ND	59			63	66	4.7	30 - 130	30
Hexachloroethane	ND	86			74	80	7.8	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	86			85	84	1.2	30 - 130	30
Isophorone	ND	107			91	97	6.4	30 - 130	30
Naphthalene	ND	97			87	88	1.1	30 - 130	30
Nitrobenzene	ND	90			77	85	9.9	30 - 130	30
N-Nitrosodimethylamine	ND	78			67	74	9.9	30 - 130	30
N-Nitrosodi-n-propylamine	ND	88			77	86	11.0	30 - 130	30
N-Nitrosodiphenylamine	ND	112			104	106	1.9	30 - 130	30
Pentachloronitrobenzene	ND	104			92	91	1.1	30 - 130	30
Pentachlorophenol	ND	80			69	66	4.4	30 - 130	30
Phenanthrene	ND	96			88	88	0.0	30 - 130	30
Phenol	ND	92			80	85	6.1	30 - 130	30
Pyrene	ND	94			90	89	1.1	30 - 130	30
Pyridine	ND	70			51	55	7.5	30 - 130	30
% 2,4,6-Tribromophenol	93	99			83	91	9.2	19 - 122	30
% 2-Fluorobiphenyl	95	93			84	87	3.5	30 - 115	30
% 2-Fluorophenol	91	86			78	83	6.2	25 - 121	30
% Nitrobenzene-d5	83	86			78	85	8.6	23 - 120	30
% Phenol-d5	89	88			79	84	6.1	24 - 113	30
% Terphenyl-d14	94	97			98	95	3.1	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.

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

October 23, 2014

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS

GBG91480 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91480	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	400	210	210	ug/Kg
BG91480	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	20	20	ug/Kg
BG91480	\$8260-SMDPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	330	330	ug/Kg
BG91480	\$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	4000	50	50	ug/Kg
BG91480	\$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100	400	50	50	ug/Kg
BG91480	\$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	190	190	ug/Kg
BG91480	\$8260-SMDPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	270	270	ug/Kg
BG91480	\$8260-SMDPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	250	250	ug/Kg
BG91480	\$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2400	120	120	ug/Kg
BG91480	\$8260-SMDPR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	370	370	ug/Kg
BG91480	\$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	60	60	ug/Kg
BG91480	\$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	400	20	20	ug/Kg
BG91480	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2300	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Commercial	ND	1800	560	560	ug/Kg
BG91480	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2800	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	1800	500	500	ug/Kg
BG91480	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2300	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2800	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	1800	330	330	ug/Kg
BG91480	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	3100	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	1800	500	500	ug/Kg
BG91480	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	ND	1800	330	330	ug/Kg
BG91480	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3100	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	1800	500	500	ug/Kg
BG91480	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1800	330	330	ug/Kg
BG91480	\$8270SMRDP	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1800	330	330	ug/Kg
BG91480	\$8270SMRDP	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1800	800	800	ug/Kg
BG91480	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	1800	800	800	ug/Kg
BG91480	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	1800	1000	1000	ug/Kg
BG91480	\$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1800	330	330	ug/Kg
BG91480	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	1800	1000	1000	ug/Kg
BG91480	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.8	3.3	3.3	ug/Kg
BG91480	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	16.3	1.1	16	16	mg/Kg
BG91480	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	16.3	1.1	16	16	mg/Kg
BG91480	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	16.3	1.1	16	16	mg/Kg
BG91480	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	16.3	1.1	13	13	mg/Kg
BG91480	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	63.5	0.55	50	50	mg/kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS

GBG91480 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91480	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	3.85	0.12	2.8	2.8	mg/Kg
BG91480	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	3.85	0.12	0.81	0.81	mg/Kg
BG91480	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	3.85	0.12	0.81	0.81	mg/Kg
BG91480	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	3.85	0.12	0.18	0.18	mg/Kg
BG91480	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	848	11	400	400	mg/Kg
BG91480	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	848	11	400	400	mg/Kg
BG91480	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	848	11	63	63	mg/Kg
BG91480	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	285	11	109	109	mg/Kg
BG91481	\$8270SMRDP	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	660	330	330	ug/Kg
BG91481	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2700	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2700	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2700	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2500	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2900	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2900	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	910	660	800	800	ug/Kg
BG91481	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Commercial	2300	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2300	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2300	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2300	660	1000	1000	ug/Kg
BG91481	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	990	660	500	500	ug/Kg
BG91481	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	990	660	500	500	ug/Kg
BG91481	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	990	660	500	500	ug/Kg
BG91481	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.4	3.3	3.3	ug/Kg
BG91481	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.4	3.3	3.3	ug/Kg
BG91481	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	116	0.45	50	50	mg/kg
BG91481	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	3.85	0.09	2.8	2.8	mg/Kg
BG91481	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	3.85	0.09	0.81	0.81	mg/Kg
BG91481	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	3.85	0.09	0.81	0.81	mg/Kg
BG91481	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	3.85	0.09	0.18	0.18	mg/Kg
BG91481	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1400	8.9	1000	1000	mg/Kg
BG91481	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1400	8.9	400	400	mg/Kg
BG91481	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1400	8.9	400	400	mg/Kg
BG91481	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1400	8.9	63	63	mg/Kg
BG91481	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	284	8.9	109	109	mg/Kg
BG91483	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	19.5	1.0	16	16	mg/Kg
BG91483	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	19.5	1.0	16	16	mg/Kg
BG91483	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	19.5	1.0	16	16	mg/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS

GBG91480 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91483	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	19.5	1.0	13	13	mg/Kg
BG91483	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.48	0.11	0.81	0.81	mg/Kg
BG91483	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.48	0.11	0.81	0.81	mg/Kg
BG91483	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.48	0.11	0.18	0.18	mg/Kg
BG91483	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	300	10	63	63	mg/Kg
BG91483	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	263	10	109	109	mg/Kg
BG91484	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Residential	ND	380	210	210	ug/Kg
BG91484	\$8260-SMDPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	20	20	ug/Kg
BG91484	\$8260-SMDPR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	330	330	ug/Kg
BG91484	\$8260-SMDPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3800	50	50	ug/Kg
BG91484	\$8260-SMDPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	100	380	50	50	ug/Kg
BG91484	\$8260-SMDPR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	190	190	ug/Kg
BG91484	\$8260-SMDPR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	270	270	ug/Kg
BG91484	\$8260-SMDPR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	250	250	ug/Kg
BG91484	\$8260-SMDPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2300	120	120	ug/Kg
BG91484	\$8260-SMDPR	Chloroform	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	370	370	ug/Kg
BG91484	\$8260-SMDPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	60	60	ug/Kg
BG91484	\$8260-SMDPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	380	20	20	ug/Kg
BG91484	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.7	3.3	3.3	ug/Kg
BG91484	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.7	3.3	3.3	ug/Kg
BG91484	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	3.7	3.3	3.3	ug/Kg
BG91484	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	19.7	0.9	16	16	mg/Kg
BG91484	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	19.7	0.9	16	16	mg/Kg
BG91484	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	19.7	0.9	16	16	mg/Kg
BG91484	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	19.7	0.9	13	13	mg/Kg
BG91484	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.40	0.11	0.81	0.81	mg/Kg
BG91484	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.40	0.11	0.81	0.81	mg/Kg
BG91484	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.40	0.11	0.18	0.18	mg/Kg
BG91484	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	607	9.3	400	400	mg/Kg
BG91484	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	607	9.3	400	400	mg/Kg
BG91484	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	607	9.3	63	63	mg/Kg
BG91484	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	152	0.9	109	109	mg/Kg
BG91485	\$PCB_SMRDP	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	730	41	100	100	ug/Kg
BG91485	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	10	5	5	ug/Kg
BG91485	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	3.3	3.3	ug/Kg
BG91485	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	10	5	5	ug/Kg
BG91485	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	3.3	3.3	ug/Kg
BG91485	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	15	3.3	3.3	ug/Kg
BG91485	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	20.3	0.9	16	16	mg/Kg
BG91485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	20.3	0.9	16	16	mg/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS

GBG91480 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91485	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	20.3	0.9	16	16	mg/Kg
BG91485	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	20.3	0.9	13	13	mg/Kg
BG91485	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	423	0.9	400	400	mg/Kg
BG91485	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	423	0.9	350	350	mg/Kg
BG91485	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	423	0.9	400	400	mg/Kg
BG91485	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	423	0.9	350	350	mg/Kg
BG91485	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	60.9	0.44	30		mg/Kg
BG91485	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	332	4.4	270	270	mg/kg
BG91485	CU-SM	Copper	NY / 375-6.8 Metals / Residential	332	4.4	270	270	mg/kg
BG91485	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	332	4.4	270	270	mg/kg
BG91485	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	332	4.4	50	50	mg/kg
BG91485	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.67	0.08	0.18	0.18	mg/Kg
BG91485	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.4	0.44	30	30	mg/Kg
BG91485	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	683	8.8	400	400	mg/Kg
BG91485	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	683	8.8	400	400	mg/Kg
BG91485	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	683	8.8	63	63	mg/Kg
BG91485	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1920	88	109	109	mg/Kg
BG91486	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	28.3	0.7	16	16	mg/Kg
BG91486	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	28.3	0.7	16	16	mg/Kg
BG91486	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	28.3	0.7	16	16	mg/Kg
BG91486	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	28.3	0.7	13	13	mg/Kg
BG91486	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	553	3.6	270	270	mg/kg
BG91486	CU-SM	Copper	NY / 375-6.8 Metals / Residential	553	3.6	270	270	mg/kg
BG91486	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	553	3.6	270	270	mg/kg
BG91486	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	553	3.6	50	50	mg/kg
BG91486	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.17	0.09	0.81	0.81	mg/Kg
BG91486	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.17	0.09	0.81	0.81	mg/Kg
BG91486	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.17	0.09	0.18	0.18	mg/Kg
BG91486	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1160	7.2	1000	1000	mg/Kg
BG91486	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1160	7.2	400	400	mg/Kg
BG91486	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1160	7.2	400	400	mg/Kg
BG91486	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1160	7.2	63	63	mg/Kg
BG91486	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	345	7.2	109	109	mg/Kg
BG91487	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.5	3.3	3.3	ug/Kg
BG91487	AS-SM	Arsenic	NY / 375-6.8 Metals / Commercial	23.6	0.8	16	16	mg/Kg
BG91487	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	23.6	0.8	16	16	mg/Kg
BG91487	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	23.6	0.8	16	16	mg/Kg
BG91487	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	23.6	0.8	13	13	mg/Kg
BG91487	BA-SMDP	Barium	NY / 375-6.8 Metals / Commercial	786	0.8	400	400	mg/Kg
BG91487	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	786	0.8	350	350	mg/Kg

Sample Criteria Exceedences Report

Criteria: NY: 375, 375NR, 375RRS, 375RS

GBG91480 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BG91487	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	786	0.8	400	400	mg/Kg
BG91487	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	786	0.8	350	350	mg/Kg
BG91487	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.95	0.38	2.5	2.5	mg/Kg
BG91487	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.95	0.38	2.5	2.5	mg/Kg
BG91487	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	67.5	0.38	30		mg/Kg
BG91487	CU-SM	Copper	NY / 375-6.8 Metals / Commercial	845	3.8	270	270	mg/kg
BG91487	CU-SM	Copper	NY / 375-6.8 Metals / Residential	845	3.8	270	270	mg/kg
BG91487	CU-SM	Copper	NY / 375-6.8 Metals / Residential Restricted	845	3.8	270	270	mg/kg
BG91487	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	845	3.8	50	50	mg/kg
BG91487	HG-SM	Mercury	NY / 375-6.8 Metals / Commercial	2.84	0.08	2.8	2.8	mg/Kg
BG91487	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.84	0.08	0.81	0.81	mg/Kg
BG91487	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.84	0.08	0.81	0.81	mg/Kg
BG91487	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.84	0.08	0.18	0.18	mg/Kg
BG91487	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1830	75	1000	1000	mg/Kg
BG91487	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1830	75	400	400	mg/Kg
BG91487	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1830	75	400	400	mg/Kg
BG91487	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1830	75	63	63	mg/Kg
BG91487	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1250	7.5	109	109	mg/Kg
BG91488	\$PESTSMDPR	Heptachlor	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	91	20	42	42	ug/Kg
BG91488	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Residential	ND	20	19	19	ug/Kg
BG91488	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	20	5	5	ug/Kg
BG91488	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	29	3.3	3.3	ug/Kg
BG91488	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	20	5	5	ug/Kg
BG91488	\$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	30	14	14	ug/Kg
BG91488	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	29	3.3	3.3	ug/Kg
BG91488	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	29	3.3	3.3	ug/Kg
BG91488	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	171	4.0	50	50	mg/kg
BG91488	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.24	0.08	0.18	0.18	mg/Kg
BG91488	PB-SMDP	Lead	NY / 375-6.8 Metals / Commercial	1600	80	1000	1000	mg/Kg
BG91488	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1600	80	400	400	mg/Kg
BG91488	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1600	80	400	400	mg/Kg
BG91488	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1600	80	63	63	mg/Kg
BG91488	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	208	8.0	109	109	mg/Kg

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



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



NY Temperature Narration

October 23, 2014

SDG I.D.: GBG91480

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



Friday, August 18, 2017

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

Project ID: 270 GREEN ST BROOKLYN
Sample ID#s: BY76573 - BY76578

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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: 270 GREEN ST BROOKLYN
Laboratory Project: GBY76573



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

Methodology Summary

Mercury

Methods for Chemical Analyses of Water and Wastes, EPA, Environmental Monitoring Systems Laboratory Cincinnati (EMSL-CL), EPA-600/4-79-020, method 245.1
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7470A.

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)/Pesticides:

Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 608) as printed in 40CFR part 136.

Semivolatile Organic Compounds

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

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

Sample Id Cross Reference

Client Id	Lab Id	Matrix
MW1	BY76573	GROUND WATER
MW2	BY76574	GROUND WATER
MW3	BY76575	GROUND WATER
MW4	BY76576	GROUND WATER
MW5	BY76577	GROUND WATER
MW6	BY76578	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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 2.4°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BY76573	Aluminum	08/01/17	08/02/17	08/08/17	MA	Y
BY76573	Aluminum (Dissolved)	08/01/17	08/02/17	08/08/17	MA	Y
BY76573	Antimony	08/01/17	08/02/17	08/07/17	RS	Y
BY76573	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y
BY76573	Arsenic - LDL	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Barium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Beryllium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Cadmium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Calcium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Calcium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Chromium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Cobalt	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Copper	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Iron	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Lead	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Magnesium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Manganese	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76573	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76573	Nickel	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Nickel, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76573	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76573	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76573	Potassium	08/01/17	08/02/17	08/04/17	LK	Y
BY76573	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76573	Selenium	08/01/17	08/02/17	08/04/17	RS	Y
BY76573	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76573	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76573	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76573	Silver	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Sodium	08/01/17	08/02/17	08/04/17	LK	Y
BY76573	Sodium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76573	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76573	Thallium - LDL	08/01/17	08/02/17	08/03/17	RS	Y
BY76573	Vanadium	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76573	Zinc	08/01/17	08/02/17	08/03/17	LK	Y
BY76573	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Aluminum	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Aluminum (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Antimony	08/01/17	08/02/17	08/07/17	RS	Y
BY76574	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y
BY76574	Arsenic - LDL	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Barium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Beryllium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Cadmium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Calcium	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Calcium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Chromium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Cobalt	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76574	Copper	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Iron	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Lead	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Magnesium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Manganese	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76574	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76574	Nickel	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Nickel, (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76574	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76574	Potassium	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Selenium	08/01/17	08/02/17	08/04/17	RS	Y
BY76574	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76574	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76574	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76574	Silver	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Sodium	08/01/17	08/02/17	08/04/17	LK	Y
BY76574	Sodium (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76574	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76574	Thallium - LDL	08/01/17	08/02/17	08/03/17	RS	Y
BY76574	Vanadium	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76574	Zinc	08/01/17	08/02/17	08/03/17	LK	Y
BY76574	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Aluminum	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Aluminum (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76575	Antimony	08/01/17	08/02/17	08/07/17	RS	Y
BY76575	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76575	Arsenic - LDL	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Barium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Beryllium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Cadmium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Calcium	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Calcium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Chromium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Cobalt	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Copper	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Iron	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Lead	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Magnesium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Manganese	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76575	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76575	Nickel	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Nickel, (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76575	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76575	Potassium	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Selenium	08/01/17	08/02/17	08/04/17	RS	Y
BY76575	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76575	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76575	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76575	Silver	08/01/17	08/02/17	08/03/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76575	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Sodium	08/01/17	08/02/17	08/04/17	LK	Y
BY76575	Sodium (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76575	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76575	Thallium - LDL	08/01/17	08/02/17	08/03/17	RS	Y
BY76575	Vanadium	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76575	Zinc	08/01/17	08/02/17	08/03/17	LK	Y
BY76575	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Aluminum	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Aluminum (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Antimony	08/01/17	08/03/17	08/07/17	RS	Y
BY76576	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y
BY76576	Arsenic - LDL	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Barium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Beryllium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Cadmium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Calcium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Calcium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76576	Chromium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Cobalt	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Copper	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Iron	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Lead	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Magnesium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Manganese	08/01/17	08/03/17	08/05/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76576	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76576	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76576	Nickel	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Nickel, (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76576	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76576	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76576	Potassium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76576	Selenium	08/01/17	08/03/17	08/04/17	RS	Y
BY76576	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76576	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76576	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76576	Silver	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Sodium	08/01/17	08/03/17	08/07/17	MA	Y
BY76576	Sodium (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76576	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76576	Thallium - LDL	08/01/17	08/03/17	08/04/17	RS	Y
BY76576	Vanadium	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76576	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76576	Zinc	08/01/17	08/03/17	08/05/17	LK	Y
BY76576	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Aluminum	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Aluminum (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Antimony	08/01/17	08/02/17	08/07/17	RS	Y
BY76577	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y
BY76577	Arsenic - LDL	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Barium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Beryllium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Cadmium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Calcium	08/01/17	08/02/17	08/04/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76577	Calcium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Chromium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Cobalt	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Copper	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Iron	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Lead	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Magnesium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Manganese	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76577	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76577	Nickel	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Nickel, (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76577	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76577	Potassium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Selenium	08/01/17	08/02/17	08/04/17	RS	Y
BY76577	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76577	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76577	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76577	Silver	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Sodium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Sodium (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76577	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76577	Thallium - LDL	08/01/17	08/02/17	08/03/17	RS	Y
BY76577	Vanadium	08/01/17	08/02/17	08/04/17	LK	Y
BY76577	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76577	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76577	Zinc	08/01/17	08/02/17	08/04/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76577	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Aluminum	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Aluminum (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76578	Antimony	08/01/17	08/02/17	08/07/17	RS	Y
BY76578	Antimony, (Dissolved)	08/01/17	08/02/17	08/07/17	RS	Y
BY76578	Arsenic - LDL	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Arsenic, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Barium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Barium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Beryllium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Beryllium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Cadmium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Cadmium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Calcium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Calcium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Chromium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Chromium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Cobalt	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Cobalt, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Copper	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Copper, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Iron	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Iron, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Lead	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Lead (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Magnesium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Magnesium (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Manganese	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Manganese, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Mercury	08/01/17	08/03/17	08/03/17	RS	Y
BY76578	Mercury (Dissolved)	08/01/17	08/03/17	08/03/17	RS	Y
BY76578	Nickel	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Nickel, (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Pesticides	08/01/17	08/02/17	08/03/17	CW	Y
BY76578	Polychlorinated Biphenyls	08/01/17	08/02/17	08/03/17	AW	Y
BY76578	Potassium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Potassium (Dissolved)	08/01/17	08/02/17	08/04/17	LK	Y



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

August 18, 2017

SDG I.D.: GBY76573

Environmental Business Consultants 270 GREEN ST BROOKLYN

BY76578	Selenium	08/01/17	08/02/17	08/04/17	RS	Y
BY76578	Selenium, (Dissolved)	08/01/17	08/02/17	08/04/17	RS	Y
BY76578	Semivolatiles	08/01/17	08/02/17	08/04/17	DD	Y
BY76578	Semivolatiles	08/01/17	08/02/17	08/07/17	DD	Y
BY76578	Silver	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Silver (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Sodium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Sodium (Dissolved)	08/01/17	08/02/17	08/07/17	MA	Y
BY76578	Thallium , (Dissolved)	08/01/17	08/02/17	08/03/17	RS	Y
BY76578	Thallium - LDL	08/01/17	08/02/17	08/03/17	RS	Y
BY76578	Vanadium	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Vanadium, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y
BY76578	Volatiles	08/01/17	08/04/17	08/04/17	MH	Y
BY76578	Zinc	08/01/17	08/02/17	08/04/17	LK	Y
BY76578	Zinc, (Dissolved)	08/01/17	08/02/17	08/03/17	LK	Y



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



SDG Comments

August 18, 2017

SDG I.D.: GBY76573

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.

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.

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

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17
08/02/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76573

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum	0.124	0.010	0.005	mg/L	1	08/08/17	MA	SW6010C
Arsenic - LDL	0.004	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium	0.314	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium	125	0.010	0.003	mg/L	1	08/03/17	LK	SW6010C
Cadmium	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium	0.002	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper	0.002	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	ND	0.011	0.005	mg/L	1	08/08/17	MA	SW6010C
Arsenic, (Dissolved)	0.003	0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.255	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	132	0.01	0.003	mg/L	1	08/03/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	0.001	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	0.30	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	25.8	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium (Dissolved)	21.9	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	0.657	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	175	1.1	1.1	mg/L	10	08/04/17	LK	SW6010C
Nickel, (Dissolved)	0.008	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.001	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.010	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	4.72	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	26.7	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium	21.4	0.010	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese	0.660	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium	177	1.0	1.0	mg/L	10	08/04/17	LK	SW6010C
Nickel	0.007	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Lead	0.005	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C
Antimony	0.003	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium	0.001	J 0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc	0.025	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/02/17	AG	

Pesticides

4,4' -DDD	ND	0.005	0.010	ug/L	1	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.005	0.010	ug/L	1	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.005	0.010	ug/L	1	08/03/17	CW	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Alachlor	ND	0.071	0.071	ug/L	1	08/03/17	CW	SW8081B
Aldrin	ND	0.001	0.001	ug/L	1	08/03/17	CW	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
Chlordane	ND	0.047	0.047	ug/L	1	08/03/17	CW	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
Dieldrin	ND	0.001	0.001	ug/L	1	08/03/17	CW	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Endrin	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
g-chlordane	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Heptachlor	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	08/03/17	CW	SW8081B
Methoxychlor	ND	0.095	0.095	ug/L	1	08/03/17	CW	SW8081B

Ver 2

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	0.19	0.19	ug/L	1	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	52			%	1	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	71			%	1	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	41			%	1	08/03/17	AW	40 - 140 %
% TCMX	71			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.39	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	2.1	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	102			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	100			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.9	1.9	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.9	2.0	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.9	2.3	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.9	2.0	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.4	2.3	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.4	4.9	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.4	2.9	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	25	9.8	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.9	3.7	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.9	1.9	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Pyrene	ND	4.9	1.7	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.8	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	83			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	70			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	34			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	52			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	52			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	79			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.49	0.49	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.07	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.02	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.98	0.98	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.07	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.39	0.39	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.49	0.49	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.02	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	100			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	64			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	38			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	61			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	58			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	66			%	1	08/04/17	DD	30 - 130 %

Client ID: MW1

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76574

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum	2.17	0.010	0.0024	mg/L	1	08/03/17	LK	SW6010C
Arsenic - LDL	0.004	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium	0.328	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium	311	0.10	0.030	mg/L	10	08/04/17	LK	SW6010C
Cadmium	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt	0.001	J 0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium	0.016	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper	0.011	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	0.003	J 0.011	0.0026	mg/L	1	08/03/17	LK	SW6010C
Arsenic, (Dissolved)	0.004	0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.297	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	327	0.11	0.032	mg/L	10	08/04/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	0.013	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	0.002	J 0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	1.77	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	45.8	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium (Dissolved)	65.1	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	1.57	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	191	1.1	1.1	mg/L	10	08/07/17	MA	SW6010C
Nickel, (Dissolved)	0.050	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead (Dissolved)	0.032	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.015	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.024	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	2.32	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	45.8	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium	62.5	0.010	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese	1.52	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium	195	1.0	1.0	mg/L	10	08/04/17	LK	SW6010C
Nickel	0.049	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Lead	0.053	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium	0.020	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc	0.051	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/02/17	AG	

Pesticides

4,4' -DDD	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-chlordane	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Alachlor	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Aldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
b-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Chlordane	ND	0.47	0.47	ug/L	10	08/03/17	CW	SW8081B
d-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Dieldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Endosulfan I	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endosulfan II	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endrin	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endrin ketone	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
g-chlordane	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Heptachlor	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Methoxychlor	ND	0.95	0.95	ug/L	10	08/03/17	CW	SW8081B

Ver 2

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	1.9	1.9	ug/L	10	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	58			%	1	08/03/17	AW	40 - 140 %
% TCMX	64			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	0.52	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Ver 2

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	0.76	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	8.8	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	110			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	99			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	99			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.9	1.9	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.9	2.0	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.9	2.3	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.9	2.0	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.4	2.3	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.4	4.9	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.4	2.9	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	24	9.8	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.9	3.7	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.9	1.3	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.9	1.5	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.9	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.9	1.6	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.9	1.9	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.98	0.98	ug/L	1	08/07/17	DD	SW8270D
Pyrene	ND	4.9	1.7	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.8	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	71			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	47			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	71			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	58			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	63			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.49	0.49	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.03	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.98	0.98	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.39	0.39	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.49	0.49	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	0.25	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	109			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	66			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	55			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	78			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	66			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	64			%	1	08/04/17	DD	30 - 130 %

Client ID: MW2

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Pesticide Comment:

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

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76575

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum	2.73	0.010	0.0024	mg/L	1	08/03/17	LK	SW6010C
Arsenic - LDL	0.007	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium	0.333	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium	167	0.10	0.030	mg/L	10	08/04/17	LK	SW6010C
Cadmium	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt	0.002	J 0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium	0.012	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper	0.025	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	0.300	0.053	0.013	mg/L	5	08/07/17	MA	SW6010C
Arsenic, (Dissolved)	0.003	J 0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.210	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	191	0.11	0.032	mg/L	10	08/04/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	0.004	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	0.001	J 0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	0.55	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	30.0	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium (Dissolved)	24.7	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	0.612	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	79.4	0.53	0.5	mg/L	5	08/07/17	MA	SW6010C
Nickel, (Dissolved)	0.012	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead (Dissolved)	0.003	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.009	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.009	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	10.6	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	30.5	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium	23.9	0.010	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese	0.657	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium	80.4	1.0	1.0	mg/L	10	08/04/17	LK	SW6010C
Nickel	0.017	0.004	0.001	mg/L	1	08/03/17	LK	SW6010C
Lead	0.114	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium	0.018	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc	0.278	0.010	0.001	mg/L	1	08/03/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/02/17	AG	

Pesticides

4,4' -DDD	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-chlordane	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Alachlor	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Aldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
b-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Chlordane	ND	0.47	0.47	ug/L	10	08/03/17	CW	SW8081B
d-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Dieldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Endosulfan I	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endosulfan II	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endrin	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endrin ketone	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
g-chlordane	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Heptachlor	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Methoxychlor	ND	0.94	0.94	ug/L	10	08/03/17	CW	SW8081B

Ver 2

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	1.9	1.9	ug/L	10	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	47			%	1	08/03/17	AW	40 - 140 %
% TCMX	78			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	6.0	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Ver 2

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	6.2	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.82	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	0.38	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	2.6	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	7.7	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	105			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	100			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.8	1.9	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.8	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.8	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.8	1.9	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.8	2.3	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.8	1.9	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.8	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.4	2.2	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.4	4.8	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.3	2.8	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	24	9.6	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.8	1.2	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.8	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.8	1.3	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.8	3.6	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.8	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.8	1.3	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.8	1.2	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.8	1.5	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.8	1.3	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.8	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.8	1.6	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.8	1.8	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.96	0.96	ug/L	1	08/07/17	DD	SW8270D
Pyrene	ND	4.8	1.7	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.6	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	88			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	69			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	39			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	57			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	51			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	85			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.48	0.48	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.10	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.96	0.96	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.10	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.38	0.38	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.48	0.48	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	0.37	0.10	0.10	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	106			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	65			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	46			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	65			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	61			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	68			%	1	08/04/17	DD	30 - 130 %

Client ID: MW3

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

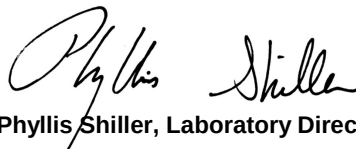
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Pesticide Comment:

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

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76576

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/05/17	LK	SW6010C
Aluminum	1.69	0.010	0.0024	mg/L	1	08/05/17	LK	SW6010C
Arsenic - LDL	0.007	0.004	0.001	mg/L	1	08/05/17	LK	SW6010C
Barium	0.404	0.010	0.001	mg/L	1	08/05/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/05/17	LK	SW6010C
Calcium	252	0.10	0.030	mg/L	10	08/05/17	LK	SW6010C
Cadmium	ND	0.004	0.0005	mg/L	1	08/05/17	LK	SW6010C
Cobalt	0.002	0.005	0.001	mg/L	1	08/05/17	LK	SW6010C
Chromium	0.011	0.001	0.001	mg/L	1	08/05/17	LK	SW6010C
Copper	0.030	0.005	0.001	mg/L	1	08/05/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	ND	0.011	0.0026	mg/L	1	08/03/17	LK	SW6010C
Arsenic, (Dissolved)	0.004	0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.250	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	250	0.11	0.032	mg/L	10	08/04/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	0.006	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	0.001	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	1.04	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	65.7	1.1	1.1	mg/L	10	08/04/17	LK	SW6010C
Magnesium (Dissolved)	43.8	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	0.814	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	210	1.1	1.1	mg/L	10	08/07/17	MA	SW6010C
Nickel, (Dissolved)	0.027	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead (Dissolved)	0.003	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.009	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.035	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	13.3	0.01	0.01	mg/L	1	08/05/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	65.5	1.0	1.0	mg/L	10	08/05/17	LK	SW6010C
Magnesium	45.0	0.010	0.01	mg/L	1	08/05/17	LK	SW6010C
Manganese	0.888	0.005	0.001	mg/L	1	08/05/17	LK	SW6010C
Sodium	216	1.0	1.0	mg/L	10	08/07/17	MA	SW6010C
Nickel	0.030	0.004	0.001	mg/L	1	08/05/17	LK	SW6010C
Lead	0.127	0.002	0.001	mg/L	1	08/05/17	LK	SW6010C
Antimony	0.004	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/04/17	RS	SW7010
Vanadium	0.015	0.010	0.001	mg/L	1	08/05/17	LK	SW6010C
Zinc	0.124	0.010	0.001	mg/L	1	08/05/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	W/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/03/17	AG	

Pesticides

4,4' -DDD	ND	0.023	0.023	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.023	0.023	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.023	0.023	ug/L	10	08/03/17	CW	SW8081B
a-BHC	ND	0.023	0.023	ug/L	10	08/03/17	CW	SW8081B
a-chlordane	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Alachlor	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Aldrin	ND	0.014	0.014	ug/L	10	08/03/17	CW	SW8081B
b-BHC	ND	0.023	0.023	ug/L	10	08/03/17	CW	SW8081B
Chlordane	ND	0.47	0.47	ug/L	10	08/03/17	CW	SW8081B
d-BHC	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Dieldrin	ND	0.014	0.014	ug/L	10	08/03/17	CW	SW8081B
Endosulfan I	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Endosulfan II	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endrin	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Endrin ketone	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
g-chlordane	ND	0.094	0.094	ug/L	10	08/03/17	CW	SW8081B
Heptachlor	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Methoxychlor	ND	0.94	0.94	ug/L	10	08/03/17	CW	SW8081B

Ver 2

Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	1.9	1.9	ug/L	10	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	33			%	1	08/03/17	AW	40 - 140 %
% TCMX	60			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	8.1	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	5.5	S 5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Ver 2

Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	0.51	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.99	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	1.3	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	2.5	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	6.4	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	13	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	112			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	102			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.7	2.2	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.3	2.2	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	1.6	J 4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.3	4.7	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.2	2.8	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	23	9.4	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.7	3.6	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	2.1	J 4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Pyrene	1.9	J 4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.4	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	103			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	82			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	58			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	96			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	64			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	66			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.91	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.97	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.73	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.65	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.74	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.94	0.94	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.93	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	0.17	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.38	0.38	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.63	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	2.1	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	110			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	63			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	68			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	11			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	71			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	64			%	1	08/04/17	DD	30 - 130 %

3

Client ID: MW4

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

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

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 L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Semi-Volatile Comment:

Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Pesticide Comment:

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

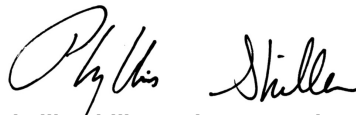
PCB Comment:

Poor surrogate recovery was observed for %DCBP. The other surrogate recovery is within criteria. No significant bias is suspected.

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76577

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Aluminum	1.05	0.010	0.0024	mg/L	1	08/04/17	LK	SW6010C
Arsenic - LDL	0.004	J 0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Barium	0.471	0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/04/17	LK	SW6010C
Calcium	286	1.0	0.30	mg/L	100	08/04/17	LK	SW6010C
Cadmium	ND	0.004	0.0005	mg/L	1	08/04/17	LK	SW6010C
Cobalt	ND	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Chromium	0.014	0.001	0.001	mg/L	1	08/04/17	LK	SW6010C
Copper	0.009	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	0.021	0.011	0.0026	mg/L	1	08/03/17	LK	SW6010C
Arsenic, (Dissolved)	0.002	J 0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.477	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	271	0.11	0.032	mg/L	10	08/04/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	0.013	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	0.61	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	51.5	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium (Dissolved)	54.0	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	1.43	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	307	1.1	1.1	mg/L	10	08/07/17	MA	SW6010C
Nickel, (Dissolved)	0.059	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead (Dissolved)	0.004	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.041	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.009	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	2.39	0.01	0.01	mg/L	1	08/04/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	46.6	1.0	1.0	mg/L	10	08/04/17	LK	SW6010C
Magnesium	51.5	0.010	0.01	mg/L	1	08/04/17	LK	SW6010C
Manganese	1.40	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Sodium	351	10	10	mg/L	100	08/04/17	LK	SW6010C
Nickel	0.056	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead	0.050	0.002	0.001	mg/L	1	08/04/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium	0.043	0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Zinc	0.063	0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/02/17	AG	

Pesticides

4,4' -DDD	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
a-chlordane	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Alachlor	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Aldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
b-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Chlordane	ND	0.47	0.47	ug/L	10	08/03/17	CW	SW8081B
d-BHC	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Dieldrin	ND	0.024	0.024	ug/L	10	08/03/17	CW	SW8081B
Endosulfan I	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endosulfan II	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endrin	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Endrin ketone	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
g-chlordane	ND	0.095	0.095	ug/L	10	08/03/17	CW	SW8081B
Heptachlor	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.047	0.047	ug/L	10	08/03/17	CW	SW8081B
Methoxychlor	ND	0.95	0.95	ug/L	10	08/03/17	CW	SW8081B

Ver 2

Client ID: MW5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	1.9	1.9	ug/L	10	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	Diluted Out			%	10	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	86			%	1	08/03/17	AW	40 - 140 %
% TCMX	75			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Client ID: MW5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	0.29	J 1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	99			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	100			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	99			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.7	2.2	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.3	2.2	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.3	4.7	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.2	2.8	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	23	9.4	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.7	3.6	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Pyrene	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.4	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	94			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	68			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	38			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	58			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	51			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	85			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.08	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.07	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.94	0.94	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.08	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.38	0.38	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	0.15	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	108			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	66			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	44			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	66			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	60			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	76			%	1	08/04/17	DD	30 - 130 %

Client ID: MW5

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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:

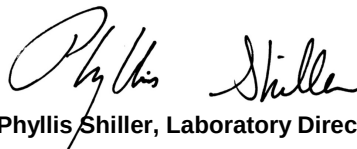
Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Pesticide Comment:

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

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 18, 2017

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: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17

Time

15:35

Laboratory Data

SDG ID: GBY76573
Phoenix ID: BY76578

Project ID: 270 GREEN ST BROOKLYN
Client ID: MW6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Aluminum	2.50	0.010	0.0024	mg/L	1	08/04/17	LK	SW6010C
Arsenic - LDL	0.004	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Barium	0.473	0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Beryllium	ND	0.001	0.001	mg/L	1	08/04/17	LK	SW6010C
Calcium	192	0.10	0.030	mg/L	10	08/04/17	LK	SW6010C
Cadmium	0.001	J 0.004	0.0005	mg/L	1	08/04/17	LK	SW6010C
Cobalt	0.002	J 0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Chromium	0.009	0.001	0.001	mg/L	1	08/04/17	LK	SW6010C
Copper	0.027	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Aluminum (Dissolved)	0.325	0.053	0.013	mg/L	5	08/07/17	MA	SW6010C
Arsenic, (Dissolved)	0.003	J 0.003	0.001	mg/L	1	08/03/17	LK	SW6010C
Barium (Dissolved)	0.279	0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Calcium (Dissolved)	197	0.11	0.032	mg/L	10	08/04/17	LK	SW6010C
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	08/03/17	LK	SW6010C
Cobalt, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	08/03/17	LK	SW6010C
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron, (Dissolved)	0.41	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium (Dissolved)	22.4	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium (Dissolved)	23.4	0.01	0.01	mg/L	1	08/03/17	LK	SW6010C
Manganese, (Dissolved)	1.45	0.005	0.001	mg/L	1	08/03/17	LK	SW6010C
Sodium (Dissolved)	169	0.53	0.5	mg/L	5	08/07/17	MA	SW6010C
Nickel, (Dissolved)	0.043	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	08/03/17	LK	SW6010C

Client ID: MW6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony, (Dissolved)	ND	0.003	0.003	mg/L	1	08/07/17	RS	SW7010
Selenium, (Dissolved)	ND	0.004	0.002	mg/L	1	08/04/17	RS	SW7010
Thallium , (Dissolved)	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium, (Dissolved)	0.001	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Zinc, (Dissolved)	0.005	J 0.011	0.001	mg/L	1	08/03/17	LK	SW6010C
Iron	25.3	0.01	0.01	mg/L	1	08/04/17	LK	SW6010C
Mercury	ND	0.0002	0.00015	mg/L	1	08/03/17	RS	SW7470A
Potassium	22.5	0.1	0.1	mg/L	1	08/04/17	LK	SW6010C
Magnesium	23.1	0.010	0.01	mg/L	1	08/04/17	LK	SW6010C
Manganese	1.47	0.005	0.001	mg/L	1	08/04/17	LK	SW6010C
Sodium	167	1.0	1.0	mg/L	10	08/04/17	LK	SW6010C
Nickel	0.010	0.004	0.001	mg/L	1	08/04/17	LK	SW6010C
Lead	0.072	0.002	0.001	mg/L	1	08/04/17	LK	SW6010C
Antimony	ND	0.002	0.002	mg/L	1	08/07/17	RS	SW7010
Selenium	ND	0.002	0.001	mg/L	1	08/04/17	RS	SW7010
Thallium - LDL	ND	0.0005	0.0005	mg/L	1	08/03/17	RS	SW7010
Vanadium	0.007	J 0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Zinc	0.095	0.010	0.001	mg/L	1	08/04/17	LK	SW6010C
Filtration	Completed					08/02/17	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
Mercury Digestion	Completed					08/03/17	Q/W	SW7470A
PCB Extraction (2 Liter)	Completed					08/02/17	N	SW3510C
Extraction for Pest (2 Liter)	Completed					08/02/17	N	SW3510C
Semi-Volatile Extraction	Completed					08/02/17	P/D/D	SW3520C
Dissolved Metals Preparation	Completed					08/02/17	AG	SW3005A
Total Metals Digestion	Completed					08/02/17	AG	

Pesticides

4,4' -DDD	ND	0.005	0.009	ug/L	1	08/03/17	CW	SW8081B
4,4' -DDE	ND	0.005	0.009	ug/L	1	08/03/17	CW	SW8081B
4,4' -DDT	ND	0.005	0.009	ug/L	1	08/03/17	CW	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
a-chlordane	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Alachlor	ND	0.071	0.071	ug/L	1	08/03/17	CW	SW8081B
Aldrin	ND	0.001	0.001	ug/L	1	08/03/17	CW	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
Chlordane	ND	0.047	0.047	ug/L	1	08/03/17	CW	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
Dieldrin	ND	0.001	0.001	ug/L	1	08/03/17	CW	SW8081B
Endosulfan I	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Endosulfan II	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Endosulfan Sulfate	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Endrin	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Endrin Aldehyde	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Endrin ketone	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	08/03/17	CW	SW8081B
g-chlordane	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Heptachlor	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Heptachlor epoxide	ND	0.009	0.009	ug/L	1	08/03/17	CW	SW8081B
Methoxychlor	ND	0.094	0.094	ug/L	1	08/03/17	CW	SW8081B

Ver 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Toxaphene	ND	0.19	0.19	ug/L	1	08/03/17	CW	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	40			%	1	08/03/17	CW	SW8081B
%TCMX (Surrogate Rec)	58			%	1	08/03/17	CW	SW8081B
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1221	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1232	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1242	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1248	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1254	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1260	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1262	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
PCB-1268	ND	0.047	0.047	ug/L	1	08/03/17	AW	E608/SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	74			%	1	08/03/17	AW	40 - 140 %
% TCMX	58			%	1	08/03/17	AW	E608/SW8082A
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,3-Trichloropropane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	08/04/17	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Acrylonitrile	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	08/04/17	MH	SW8260C

Client ID: MW6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bromobenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromoform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Bromomethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chlorobenzene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloroform	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Chloromethane	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dibromomethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	08/04/17	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	08/04/17	MH	SW8260C
Naphthalene	ND	1.0	1.0	ug/L	1	08/04/17	MH	SW8260C
n-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
n-Propylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	08/04/17	MH	SW8260C
Toluene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	08/04/17	MH	SW8260C
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	08/04/17	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	08/04/17	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	08/04/17	MH	70 - 130 %
% Bromofluorobenzene	98			%	1	08/04/17	MH	70 - 130 %
% Dibromofluoromethane	98			%	1	08/04/17	MH	70 - 130 %
% Toluene-d8	99			%	1	08/04/17	MH	70 - 130 %
<u>Semivolatiles</u>								
1,2,4-Trichlorobenzene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
1,2-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
1,3-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
1,4-Dichlorobenzene	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dichlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dimethylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2,4-Dinitrotoluene	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D
2,6-Dinitrotoluene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
2-Chloronaphthalene	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
2-Chlorophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Methylnaphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
2-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
2-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
3,3'-Dichlorobenzidine	ND	4.7	2.2	ug/L	1	08/07/17	DD	SW8270D
3-Nitroaniline	ND	4.7	1.9	ug/L	1	08/07/17	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Bromophenyl phenyl ether	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
4-Chloro-3-methylphenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
4-Chloroaniline	ND	3.3	2.2	ug/L	1	08/07/17	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitroaniline	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
4-Nitrophenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Acenaphthene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Acetophenone	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Aniline	ND	3.3	4.7	ug/L	1	08/07/17	DD	SW8270D
Anthracene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Benzidine	ND	4.2	2.8	ug/L	1	08/07/17	DD	SW8270D
Benzoic acid	ND	23	9.4	ug/L	1	08/07/17	DD	SW8270D
Benzyl butyl phthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroethyl)ether	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Carbazole	ND	4.7	3.6	ug/L	1	08/07/17	DD	SW8270D
Dibenzofuran	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Diethyl phthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Dimethylphthalate	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Di-n-butylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Di-n-octylphthalate	ND	4.7	1.2	ug/L	1	08/07/17	DD	SW8270D
Fluoranthene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Fluorene	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
Hexachlorocyclopentadiene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
Isophorone	ND	4.7	1.3	ug/L	1	08/07/17	DD	SW8270D
Naphthalene	ND	4.7	1.4	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	4.7	1.5	ug/L	1	08/07/17	DD	SW8270D
N-Nitrosodiphenylamine	ND	4.7	1.8	ug/L	1	08/07/17	DD	SW8270D

Client ID: MW6

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Phenol	ND	0.94	0.94	ug/L	1	08/07/17	DD	SW8270D
Pyrene	ND	4.7	1.6	ug/L	1	08/07/17	DD	SW8270D
Pyridine	ND	9.4	1.2	ug/L	1	08/07/17	DD	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	91			%	1	08/07/17	DD	15 - 110 %
% 2-Fluorobiphenyl	75			%	1	08/07/17	DD	30 - 130 %
% 2-Fluorophenol	47			%	1	08/07/17	DD	15 - 110 %
% Nitrobenzene-d5	61			%	1	08/07/17	DD	30 - 130 %
% Phenol-d5	57			%	1	08/07/17	DD	15 - 110 %
% Terphenyl-d14	92			%	1	08/07/17	DD	30 - 130 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Acenaphthylene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benz(a)anthracene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(a)pyrene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(b)fluoranthene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(ghi)perylene	0.03	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Benzo(k)fluoranthene	0.05	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.94	0.94	ug/L	1	08/04/17	DD	SW8270D (SIM)
Chrysene	0.06	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.38	0.38	ug/L	1	08/04/17	DD	SW8270D (SIM)
Hexachloroethane	ND	0.47	0.47	ug/L	1	08/04/17	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.02	0.02	ug/L	1	08/04/17	DD	SW8270D (SIM)
Nitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
Phenanthrene	ND	0.09	0.09	ug/L	1	08/04/17	DD	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	104			%	1	08/04/17	DD	15 - 110 %
% 2-Fluorobiphenyl	69			%	1	08/04/17	DD	30 - 130 %
% 2-Fluorophenol	53			%	1	08/04/17	DD	15 - 110 %
% Nitrobenzene-d5	72			%	1	08/04/17	DD	30 - 130 %
% Phenol-d5	66			%	1	08/04/17	DD	15 - 110 %
% Terphenyl-d14	77			%	1	08/04/17	DD	30 - 130 %

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

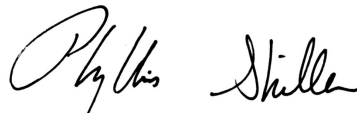
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

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

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



Phyllis Shiller, Laboratory Director

August 18, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

August 18, 2017

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCS %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 396181 (mg/L), QC Sample No: BY76044 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)													
Antimony (Dissolved)-LDL	BRL	0.005	<0.003	<0.005	NC	111			87.0			75 - 125	20
Selenium (Dissolved)	BRL	0.002	<0.002	<0.002	NC	85.3			77.0			75 - 125	20
Thallium (Dissolved)	BRL	0.002	<0.001	<0.002	NC	113			89.2			75 - 125	20
QA/QC Batch 396160 (mg/L), QC Sample No: BY76293 (BY76573, BY76574, BY76575, BY76577, BY76578)													
<u>ICP Metals - Aqueous</u>													
Aluminum	BRL	0.010	<0.010	<0.010	NC	97.8			108			80 - 120	20
Arsenic	BRL	0.004	0.014	0.013	NC	91.1			97.0			80 - 120	20
Barium	BRL	0.002	0.103	0.101	2.00	102			104			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	91.2			94.6			80 - 120	20
Cadmium	BRL	0.001	<0.004	<0.001	NC	88.3			88.1			80 - 120	20
Calcium	BRL	0.010	119	117	1.70	87.7			NC			80 - 120	20
Chromium	BRL	0.001	0.002	0.002	NC	93.0			93.9			80 - 120	20
Cobalt	BRL	0.002	0.004 J	0.004	NC	94.5			94.4			80 - 120	20
Copper	BRL	0.005	0.002 J	0.001	NC	97.5			102			80 - 120	20
Iron	BRL	0.010	2.58	2.53	2.00	95.7			102			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	91.7			91.4			80 - 120	20
Magnesium	BRL	0.010	26.2	25.8	1.50	95.0			NC			80 - 120	20
Manganese	BRL	0.001	0.438	0.427	2.50	93.6			95.3			80 - 120	20
Nickel	BRL	0.001	0.008	0.008	NC	93.4			92.2			80 - 120	20
Potassium	BRL	0.1	18.0	17.7	1.70	99.2			93.6			80 - 120	20
Silver	BRL	0.001	<0.005	<0.001	NC	87.0			92.0			70 - 130	30
Sodium	BRL	0.10	23.8	23.5	1.30	106			NC			80 - 120	20
Vanadium	BRL	0.002	<0.010	<0.002	NC	90.5			94.7			80 - 120	20
Zinc	BRL	0.002	0.046	0.045	NC	90.0			93.1			80 - 120	20
QA/QC Batch 396243 (mg/L), QC Sample No: BY76293 (BY76573, BY76574, BY76575, BY76577, BY76578)													
Mercury - Water	BRL	0.0002	0.0008	0.0008	NC	85.4			89.1			75 - 125	20
QA/QC Batch 396159 (mg/L), QC Sample No: BY76293 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)													
Antimony - Water	BRL	0.003	<0.002	<0.003	NC	103			97.5			75 - 125	20
Selenium - Water	BRL	0.005	<0.002	<0.005	NC	115			102			75 - 125	20
Thallium - Water	BRL	0.001	<0.001	<0.001	NC	108			90.4			75 - 125	20
QA/QC Batch 396244 (mg/L), QC Sample No: BY76376 (BY76576)													
Mercury - Water	BRL	0.0002	<0.0005	<0.0005	NC	98.0			99.9			75 - 125	20
QA/QC Batch 396182 (mg/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)													
<u>ICP Metals - Dissolved</u>													
Aluminum	BRL	0.011	<0.011	<0.011	NC	96.0			100			80 - 120	20
Arsenic	BRL	0.004	0.003	0.003	NC	92.2			93.8			80 - 120	20
Barium	BRL	0.002	0.255	0.259	1.60	99.1			94.3			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	92.0			90.7			80 - 120	20
Cadmium	BRL	0.001	<0.004	<0.001	NC	90.4			84.6			80 - 120	20
Calcium	BRL	0.01	132	133	0.80	90.1			NC			80 - 120	20
Chromium	BRL	0.001	0.001	<0.001	NC	92.0			88.4			80 - 120	20

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Cobalt	BRL	0.001	<0.005	<0.001	NC	94.1			88.9			80 - 120	20
Copper	BRL	0.005	<0.005	<0.005	NC	94.5			94.8			80 - 120	20
Iron	BRL	0.011	0.30	0.304	1.30	94.1			88.8			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	92.5			87.2			80 - 120	20
Magnesium	BRL	0.01	21.9	22.1	0.90	94.8			NC			80 - 120	20
Manganese	BRL	0.001	0.657	0.663	0.90	92.5			88.4			80 - 120	20
Nickel	BRL	0.001	0.008	0.008	NC	93.3			86.9			80 - 120	20
Potassium	BRL	0.1	25.8	26.0	0.80	86.3			113			80 - 120	20
Silver	BRL	0.001	<0.005	<0.001	NC	86.6			87.9			70 - 130	30
Sodium	BRL	0.11	175	177	1.10	92.0			NC			80 - 120	20
Vanadium	BRL	0.002	0.001 J	0.001	NC	90.2			89.8			80 - 120	20
Zinc	BRL	0.002	0.010 J	0.010	NC	91.0			89.4			80 - 120	20

QA/QC Batch 396247 (mg/L), QC Sample No: BY76574 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)

Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0003	NC	85.6			79.8			75 - 125	20
---------------------	-----	--------	---------	---------	----	------	--	--	------	--	--	----------	----

QA/QC Batch 396351 (mg/L), QC Sample No: BY77045 (BY76576)

Antimony - Water	BRL	0.003	0.002	<0.003	NC	103			99.7			75 - 125	20
Selenium - Water	BRL	0.005	0.002	<0.005	NC	111			120			75 - 125	20
Thallium - Water	BRL	0.001	<0.001	<0.001	NC	109			88.7			75 - 125	20

QA/QC Batch 396353 (mg/L), QC Sample No: BY77634 (BY76576)

ICP Metals - Aqueous

Aluminum	BRL	0.010	0.253	0.246	2.80	100			98.4			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	100			99.4			80 - 120	20
Barium	BRL	0.002	0.023	0.023	0	108			105			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	101			102			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	102			102			80 - 120	20
Calcium	BRL	0.010	7.10	6.94	2.30	101			NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	103			102			80 - 120	20
Cobalt	BRL	0.002	<0.002	<0.002	NC	106			104			80 - 120	20
Copper	BRL	0.005	0.218	0.208	4.70	103			102			80 - 120	20
Iron	BRL	0.010	0.012	0.019	NC	106			104			80 - 120	20
Lead	BRL	0.002	0.003	0.004	NC	102			101			80 - 120	20
Magnesium	BRL	0.010	2.36	2.32	1.70	104			85.7			80 - 120	20
Manganese	BRL	0.001	0.081	0.078	3.80	103			103			80 - 120	20
Nickel	BRL	0.001	<0.001	<0.001	NC	105			103			80 - 120	20
Potassium	BRL	0.1	1.4	1.4	0	102			100			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	98.4			98.5			70 - 130	30
Sodium	BRL	0.10	22.8	22.1	3.10	102			NC			80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	102			101			80 - 120	20
Zinc	BRL	0.002	0.018	0.021	15.4	99.3			100			80 - 120	20



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

August 18, 2017

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 396198 (ug/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)										
Pesticides - Ground Water										
4,4' -DDD	ND	0.003	84	96	13.3				40 - 140	20
4,4' -DDE	ND	0.003	92	97	5.3				40 - 140	20
4,4' -DDT	ND	0.003	95	92	3.2				40 - 140	20
a-BHC	ND	0.002	98	99	1.0				40 - 140	20
a-Chlordane	ND	0.005	92	94	2.2				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	64	79	21.0				40 - 140	20
b-BHC	ND	0.002	97	99	2.0				40 - 140	20
Chlordane	ND	0.050	85	88	3.5				40 - 140	20
d-BHC	ND	0.005	58	59	1.7				40 - 140	20
Dieldrin	ND	0.002	110	113	2.7				40 - 140	20
Endosulfan I	ND	0.005	85	88	3.5				40 - 140	20
Endosulfan II	ND	0.005	93	97	4.2				40 - 140	20
Endosulfan sulfate	ND	0.005	85	85	0.0				40 - 140	20
Endrin	ND	0.005	97	98	1.0				40 - 140	20
Endrin aldehyde	ND	0.005	98	95	3.1				40 - 140	20
Endrin ketone	ND	0.005	84	97	14.4				40 - 140	20
g-BHC	ND	0.002	104	106	1.9				40 - 140	20
g-Chlordane	ND	0.005	85	88	3.5				40 - 140	20
Heptachlor	ND	0.005	72	84	15.4				40 - 140	20
Heptachlor epoxide	ND	0.005	90	91	1.1				40 - 140	20
Methoxychlor	ND	0.005	84	89	5.8				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	102	%	88	92	4.4				40 - 140	20
% TCMX	86	%	90	87	3.4				40 - 140	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 396197 (ug/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	0.050	75	86	13.7				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	82	94	13.6				40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	84	%	84	96	13.3				40 - 140	20
% TCMX (Surrogate Rec)	76	%	81	96	16.9					

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 396639 (ug/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)										
<u>Volatiles - Ground Water</u>										
1,1,1,2-Tetrachloroethane	ND	1.0	100	100	0.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	100	98	2.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	99	98	1.0				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	94	93	1.1				70 - 130	30
1,1-Dichloroethane	ND	1.0	101	99	2.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	103	101	2.0				70 - 130	30
1,1-Dichloropropene	ND	1.0	101	100	1.0				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	94	95	1.1				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	96	94	2.1				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	95	96	1.0				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	98	96	2.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	102	103	1.0				70 - 130	30
1,2-Dibromoethane	ND	1.0	96	96	0.0				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	97	96	1.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	96	96	0.0				70 - 130	30
1,2-Dichloropropane	ND	1.0	96	95	1.0				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	99	97	2.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	99	97	2.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	94	93	1.1				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	97	96	1.0				70 - 130	30
2,2-Dichloropropane	ND	1.0	108	106	1.9				70 - 130	30
2-Chlorotoluene	ND	1.0	99	97	2.0				70 - 130	30
2-Hexanone	ND	5.0	99	97	2.0				70 - 130	30
2-Isopropyltoluene	ND	1.0	106	106	0.0				70 - 130	30
4-Chlorotoluene	ND	1.0	99	97	2.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	99	99	0.0				70 - 130	30
Acetone	ND	5.0	96	97	1.0				70 - 130	30
Acrolein	ND	5.0	107	107	0.0				70 - 130	30
Acrylonitrile	ND	5.0	106	107	0.9				70 - 130	30
Benzene	ND	0.70	98	97	1.0				70 - 130	30
Bromobenzene	ND	1.0	97	95	2.1				70 - 130	30
Bromochloromethane	ND	1.0	98	97	1.0				70 - 130	30
Bromodichloromethane	ND	0.50	99	98	1.0				70 - 130	30
Bromoform	ND	1.0	102	99	3.0				70 - 130	30
Bromomethane	ND	1.0	129	131	1.5				70 - 130	30
Carbon Disulfide	ND	1.0	119	117	1.7				70 - 130	30
Carbon tetrachloride	ND	1.0	102	101	1.0				70 - 130	30
Chlorobenzene	ND	1.0	97	96	1.0				70 - 130	30
Chloroethane	ND	1.0	108	106	1.9				70 - 130	30
Chloroform	ND	1.0	98	96	2.1				70 - 130	30
Chloromethane	ND	1.0	111	111	0.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	97	96	1.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	99	99	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	105	103	1.9				70 - 130	30
Dibromomethane	ND	1.0	96	96	0.0				70 - 130	30
Dichlorodifluoromethane	ND	1.0	140	138	1.4				70 - 130	30
Ethylbenzene	ND	1.0	98	97	1.0				70 - 130	30
Hexachlorobutadiene	ND	0.40	101	101	0.0				70 - 130	30

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Isopropylbenzene	ND	1.0	99	98	1.0				70 - 130	30
m&p-Xylene	ND	1.0	99	98	1.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	103	107	3.8				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	113	111	1.8				70 - 130	30
Methylene chloride	ND	1.0	95	94	1.1				70 - 130	30
Naphthalene	ND	1.0	95	97	2.1				70 - 130	30
n-Butylbenzene	ND	1.0	99	98	1.0				70 - 130	30
n-Propylbenzene	ND	1.0	99	98	1.0				70 - 130	30
o-Xylene	ND	1.0	98	99	1.0				70 - 130	30
p-Isopropyltoluene	ND	1.0	100	98	2.0				70 - 130	30
sec-Butylbenzene	ND	1.0	103	101	2.0				70 - 130	30
Styrene	ND	1.0	97	97	0.0				70 - 130	30
tert-Butylbenzene	ND	1.0	100	98	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	100	98	2.0				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	102	103	1.0				70 - 130	30
Toluene	ND	1.0	98	96	2.1				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	99	98	1.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	95	94	1.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	111	110	0.9				70 - 130	30
Trichloroethene	ND	1.0	98	98	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	101	98	3.0				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	112	109	2.7				70 - 130	30
Vinyl chloride	ND	1.0	113	112	0.9				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	101	100	1.0				70 - 130	30
% Bromofluorobenzene	96	%	99	99	0.0				70 - 130	30
% Dibromofluoromethane	99	%	100	99	1.0				70 - 130	30
% Toluene-d8	99	%	99	100	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 396156 (ug/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.47	68	75	9.8				30 - 130	20
Acenaphthylene	ND	0.02	71	75	5.5				30 - 130	20
Benz(a)anthracene	ND	0.02	77	76	1.3				30 - 130	20
Benzo(a)pyrene	ND	0.02	79	79	0.0				30 - 130	20
Benzo(b)fluoranthene	ND	0.02	85	84	1.2				30 - 130	20
Benzo(ghi)perylene	ND	0.02	76	76	0.0				30 - 130	20
Benzo(k)fluoranthene	ND	0.02	83	86	3.6				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	0.09	89	90	1.1				30 - 130	20
Chrysene	ND	0.02	87	87	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	0.01	88	88	0.0				30 - 130	20
Hexachlorobenzene	ND	0.02	84	85	1.2				30 - 130	20
Hexachlorobutadiene	ND	0.05	53	60	12.4				30 - 130	20
Hexachloroethane	ND	0.05	55	61	10.3				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.02	81	81	0.0				30 - 130	20
Nitrobenzene	ND	0.05	54	63	15.4				30 - 130	20
N-Nitrosodimethylamine	ND	0.05	69	71	2.9				30 - 130	20
Pentachloronitrobenzene	ND	0.09	94	98	4.2				30 - 130	20
Pentachlorophenol	ND	0.19	83	80	3.7				30 - 130	20
Phenanthrene	ND	0.02	74	75	1.3				30 - 130	20
% 2,4,6-Tribromophenol	74	%	96	99	3.1				15 - 110	20
% 2-Fluorobiphenyl	46	%	70	77	9.5				30 - 130	20

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 2-Fluorophenol	30	%	45	52	14.4				15 - 110	20
% Nitrobenzene-d5	41	%	68	78	13.7				30 - 130	20
% Phenol-d5	44	%	61	71	15.2				15 - 110	20
% Terphenyl-d14	70	%	79	79	0.0				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 396156 (ug/L), QC Sample No: BY76573 (BY76573, BY76574, BY76575, BY76576, BY76577, BY76578)

Semivolatiles - Ground Water

1,2,4-Trichlorobenzene	ND	3.3	57	65	13.1				30 - 130	20
1,2-Dichlorobenzene	ND	0.94	48	54	11.8				30 - 130	20
1,2-Diphenylhydrazine	ND	1.5	84	85	1.2				30 - 130	20
1,3-Dichlorobenzene	ND	0.94	47	52	10.1				30 - 130	20
1,4-Dichlorobenzene	ND	0.94	47	54	13.9				30 - 130	20
2,4,5-Trichlorophenol	ND	0.94	87	90	3.4				30 - 130	20
2,4,6-Trichlorophenol	ND	0.94	84	88	4.7				30 - 130	20
2,4-Dichlorophenol	ND	0.94	70	79	12.1				30 - 130	20
2,4-Dimethylphenol	ND	0.94	77	82	6.3				30 - 130	20
2,4-Dinitrophenol	ND	0.94	73	75	2.7				30 - 130	20
2,4-Dinitrotoluene	ND	3.3	92	90	2.2				30 - 130	20
2,6-Dinitrotoluene	ND	3.3	79	80	1.3				30 - 130	20
2-Chloronaphthalene	ND	3.3	72	79	9.3				30 - 130	20
2-Chlorophenol	ND	0.94	51	58	12.8				30 - 130	20
2-Methylnaphthalene	ND	3.3	64	70	9.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	0.94	62	73	16.3				30 - 130	20
2-Nitroaniline	ND	3.3	127	126	0.8				30 - 130	20
2-Nitrophenol	ND	0.94	63	71	11.9				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	0.94	63	70	10.5				30 - 130	20
3,3'-Dichlorobenzidine	ND	4.7	72	68	5.7				30 - 130	20
3-Nitroaniline	ND	4.7	93	92	1.1				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	0.94	81	81	0.0				30 - 130	20
4-Bromophenyl phenyl ether	ND	3.3	92	91	1.1				30 - 130	20
4-Chloro-3-methylphenol	ND	0.94	88	87	1.1				30 - 130	20
4-Chloroaniline	ND	3.3	74	73	1.4				30 - 130	20
4-Chlorophenyl phenyl ether	ND	0.94	77	78	1.3				30 - 130	20
4-Nitroaniline	ND	4.7	86	86	0.0				30 - 130	20
4-Nitrophenol	ND	0.94	82	83	1.2				30 - 130	20
Acenaphthene	ND	1.4	83	87	4.7				30 - 130	20
Acetophenone	ND	3.3	58	65	11.4				30 - 130	20
Aniline	ND	3.3	50	54	7.7				30 - 130	20
Anthracene	ND	1.4	90	91	1.1				30 - 130	20
Benzidine	ND	4.2	29	27	7.1				30 - 130	20
Benzoic acid	ND	9.4	57	62	8.4				30 - 130	20
Benzyl butyl phthalate	ND	1.4	96	92	4.3				30 - 130	20
Bis(2-chloroethoxy)methane	ND	3.3	70	77	9.5				30 - 130	20
Bis(2-chloroethyl)ether	ND	0.94	45	50	10.5				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	0.94	47	51	8.2				30 - 130	20
Carbazole	ND	4.7	95	94	1.1				30 - 130	20
Dibenzofuran	ND	3.3	82	85	3.6				30 - 130	20
Diethyl phthalate	ND	1.4	91	89	2.2				30 - 130	20
Dimethylphthalate	ND	1.4	88	88	0.0				30 - 130	20
Di-n-butylphthalate	ND	1.4	100	98	2.0				30 - 130	20
Di-n-octylphthalate	ND	1.4	100	98	2.0				30 - 130	20

QA/QC Data

SDG I.D.: GBY76573

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Fluoranthene	ND	1.4	91	91	0.0				30 - 130	20
Fluorene	ND	1.4	83	84	1.2				30 - 130	20
Hexachlorocyclopentadiene	ND	3.3	24	25	4.1				30 - 130	20
Isophorone	ND	3.3	68	74	8.5				30 - 130	20
Naphthalene	ND	1.4	59	67	12.7				30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.3	63	69	9.1				30 - 130	20
N-Nitrosodiphenylamine	ND	3.3	81	80	1.2				30 - 130	20
Phenol	ND	0.94	54	64	16.9				30 - 130	20
Pyrene	ND	1.4	90	89	1.1				30 - 130	20
Pyridine	ND	4.7	42	47	11.2				30 - 130	20
% 2,4,6-Tribromophenol	83	%	91	90	1.1				15 - 110	20
% 2-Fluorobiphenyl	57	%	68	76	11.1				30 - 130	20
% 2-Fluorophenol	24	%	42	49	15.4				15 - 110	20
% Nitrobenzene-d5	34	%	54	60	10.5				30 - 130	20
% Phenol-d5	35	%	51	60	16.2				15 - 110	20
% Terphenyl-d14	95	%	93	92	1.1				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

l = This parameter is outside laboratory LCS/LCSD 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
August 18, 2017

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76573	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76573	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76573	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76573	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BY76573	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BY76573	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
BY76573	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.124	0.010	0.1	0.1	mg/L
BY76573	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.657	0.005	0.3	0.3	mg/L
BY76573	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	175	1.1	20	20	mg/L
BY76573	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	4.72	0.01	0.3	0.3	mg/L
BY76573	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.660	0.005	0.3	0.3	mg/L
BY76573	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	177	1.0	20	20	mg/L
BY76574	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76574	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76574	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76574	\$8260DP25R	tert-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	8.8	1.0	5	5	ug/L
BY76574	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BY76574	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76574	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76574	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.47	0.1	0.1	ug/L
BY76574	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76574	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.47	0.05	0.05	ug/L
BY76574	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.004	0.004	ug/L
BY76574	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.04	0.04	ug/L
BY76574	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.03	0.03	ug/L
BY76574	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.9	0.06	0.06	ug/L
BY76574	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.01	0.01	ug/L
BY76574	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	2.17	0.010	0.1	0.1	mg/L
BY76574	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.77	0.01	0.3	0.3	mg/L
BY76574	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	65.1	0.01	35	35	mg/L
BY76574	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.57	0.005	0.3	0.3	mg/L
BY76574	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	191	1.1	20	20	mg/L
BY76574	D-PB	Lead (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.032	0.002	0.025	0.025	mg/L
BY76574	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	2.32	0.01	0.3	0.3	mg/L
BY76574	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	62.5	0.010	35	35	mg/L
BY76574	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.52	0.005	0.3	0.3	mg/L
BY76574	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	195	1.0	20	20	mg/L
BY76574	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.053	0.002	0.025	0.025	mg/L
BY76575	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76575	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76575	\$8260DP25R	2-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	6.0	1.0	5	5	ug/L
BY76575	\$8260DP25R	tert-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	7.7	1.0	5	5	ug/L
BY76575	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76575	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.10	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.10	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.10	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BY76575	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.10	0.02	0.002	0.002	ug/L
BY76575	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.47	0.1	0.1	ug/L
BY76575	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76575	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.9	0.06	0.06	ug/L
BY76575	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.47	0.05	0.05	ug/L
BY76575	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.01	0.01	ug/L
BY76575	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.004	0.004	ug/L
BY76575	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.04	0.04	ug/L
BY76575	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.03	0.03	ug/L
BY76575	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	2.73	0.010	0.1	0.1	mg/L
BY76575	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.300	0.053	0.1	0.1	mg/L
BY76575	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.55	0.01	0.3	0.3	mg/L
BY76575	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.612	0.005	0.3	0.3	mg/L
BY76575	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	79.4	0.53	20	20	mg/L
BY76575	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	10.6	0.01	0.3	0.3	mg/L
BY76575	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.657	0.005	0.3	0.3	mg/L
BY76575	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	80.4	1.0	20	20	mg/L
BY76575	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.114	0.002	0.025	0.025	mg/L
BY76576	\$8260DP25R	2-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	8.1	1.0	5	5	ug/L
BY76576	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76576	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76576	\$8260DP25R	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	6.4	1.0	5	5	ug/L
BY76576	\$8260DP25R	tert-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	13	1.0	5	5	ug/L
BY76576	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76576	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.74	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.63	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.93	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.73	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.97	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.91	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.73	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.93	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.91	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.63	0.02	0.002	0.002	ug/L
BY76576	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.74	0.02	0.002	0.002	ug/L
BY76576	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.47	0.1	0.1	ug/L
BY76576	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76576	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.014	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.023	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.014	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.023	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.023	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.014	0.004	0.004	ug/L
BY76576	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.04	0.04	ug/L
BY76576	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.023	0.01	0.01	ug/L
BY76576	\$DPPEST_GA	d-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.04	0.04	ug/L
BY76576	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.47	0.05	0.05	ug/L
BY76576	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.9	0.06	0.06	ug/L
BY76576	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.03	0.03	ug/L
BY76576	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.69	0.010	0.1	0.1	mg/L
BY76576	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.04	0.01	0.3	0.3	mg/L
BY76576	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	43.8	0.01	35	35	mg/L
BY76576	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.814	0.005	0.3	0.3	mg/L
BY76576	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	210	1.1	20	20	mg/L
BY76576	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	13.3	0.01	0.3	0.3	mg/L
BY76576	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	45.0	0.010	35	35	mg/L
BY76576	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.888	0.005	0.3	0.3	mg/L
BY76576	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	216	1.0	20	20	mg/L
BY76576	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.127	0.002	0.025	0.025	mg/L
BY76576	SB-WMDP	Antimony	NY / TOGS - Water Quality / GA Criteria	0.004	0.002	0.003	0.003	mg/L
BY76577	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76577	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76577	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76577	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.08	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.08	0.02	0.002	0.002	ug/L
BY76577	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76577	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.047	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76577	\$DPPEST_GA	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.47	0.1	0.1	ug/L
BY76577	\$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Aldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.024	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.004	0.004	ug/L
BY76577	\$DPPEST_GA	Heptachlor epoxide	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.03	0.03	ug/L
BY76577	\$DPPEST_GA	Heptachlor	NY / TOGS - Water Quality / GA Criteria	ND	0.047	0.04	0.04	ug/L
BY76577	\$DPPEST_GA	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.024	0.01	0.01	ug/L
BY76577	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.47	0.05	0.05	ug/L
BY76577	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.9	0.06	0.06	ug/L
BY76577	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.05	0.010	0.1	0.1	mg/L
BY76577	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.61	0.01	0.3	0.3	mg/L
BY76577	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	54.0	0.01	35	35	mg/L
BY76577	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.43	0.005	0.3	0.3	mg/L
BY76577	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	307	1.1	20	20	mg/L
BY76577	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	2.39	0.01	0.3	0.3	mg/L
BY76577	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	51.5	0.010	35	35	mg/L
BY76577	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.40	0.005	0.3	0.3	mg/L
BY76577	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	351	10	20	20	mg/L
BY76577	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.050	0.002	0.025	0.025	mg/L
BY76578	\$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
BY76578	\$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
BY76578	\$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
BY76578	\$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Benzo(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BY76578	\$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BY76578	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.19	0.06	0.06	ug/L
BY76578	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	2.50	0.010	0.1	0.1	mg/L
BY76578	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.325	0.053	0.1	0.1	mg/L
BY76578	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.41	0.01	0.3	0.3	mg/L
BY76578	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.45	0.005	0.3	0.3	mg/L
BY76578	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	169	0.53	20	20	mg/L

Friday, August 18, 2017

Criteria: NY: 375GWP, GW

State: NY

Sample Criteria Exceedances Report

GBY76573 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BY76578	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	25.3	0.01	0.3	0.3	mg/L
BY76578	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.47	0.005	0.3	0.3	mg/L
BY76578	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	167	1.0	20	20	mg/L
BY76578	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.072	0.002	0.025	0.025	mg/L

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



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



NY Temperature Narration

August 18, 2017

SDG I.D.: GBY76573

The samples in this delivery group were received at 2.4°C.
(Note acceptance criteria is above freezing up to 6°C)

○	○

NY/NJ CHAIN OF CUSTODY RECORD



PHOENIX

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

Contact Options:

Fax: _____
Phone: 631-504-6000
Email: File

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

Project: 270 Green Street, Brooklyn, NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O.:

this section *MUST* be completed with Bottle Quantities.

Client Sample - Information - Identification

Date: 8-1-17
 Sampler's Signature: Hongzong Lou

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

PHOENIX USE ONLY

SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
----------	--------------------------------	---------------	--------------	--------------

76573	MW 1	GW	8-1-17
76574	MW 2	GW	8-1-17
76575	MW 3	GW	8-1-17
76576	MW 4	GW	8-1-17
76577	MW 5	GW	8-1-17
76578	MW 6	GW	8-1-17

Analysis Request

Analysis Request

Relinquished by:

Accepted by:

Time:

Turnaround:

NJ

WY

Data Format

<i>[Signature]</i>	<i>[Signature]</i>	6/8/17	7:50
<i>[Signature]</i>	TTCOLN	8/10/17	15:35

Comments, Special Requirements or Regulations:



Friday, August 11, 2017

Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 270 GREEN ST BROOKLYN
Sample ID#s: BY76579 - BY76584

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. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

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, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
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: 270 GREEN ST BROOKLYN
Laboratory Project: GBY76579



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

August 11, 2017

SDG I.D.: GBY76579

Environmental Business Consultants 270 GREEN ST BROOKLYN

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	BY76579	AIR
SG4	BY76580	AIR
SG2	BY76581	AIR
SG3	BY76582	AIR
SG5	BY76583	AIR
SG6	BY76584	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

August 11, 2017

SDG I.D.: GBY76579

Environmental Business Consultants 270 GREEN ST BROOKLYN

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
BY76579	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y
BY76580	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y
BY76581	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y
BY76582	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y
BY76583	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y
BY76584	Volatiles (TO15)	08/01/17	08/03/17	08/03/17	KCA	Y



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



SDG Comments

August 11, 2017

SDG I.D.: GBY76579

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 457

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:26
08/02/17 15:35

Time

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76579

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trimethylbenzene	1.84	0.204	0.204	9.04	1.00	1.00	08/03/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	08/03/17	KCA	1
1,3,5-Trimethylbenzene	0.543	0.204	0.204	2.67	1.00	1.00	08/03/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	08/03/17	KCA	1
1,3-Dichlorobenzene	8.53	0.166	0.166	51.3	1.00	1.00	08/03/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	08/03/17	KCA	1
4-Isopropyltoluene	0.423	0.182	0.182	2.32	1.00	1.00	08/03/17	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
Acetone	242	D 4.21	4.21	575	10.0	10.0	08/03/17	KCA	10
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	08/03/17	KCA	1
Benzene	8.08	0.313	0.313	25.8	1.00	1.00	08/03/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	08/03/17	KCA	1

Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	08/03/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	08/03/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	08/03/17	KCA	1
Carbon Disulfide	7.34	0.321	0.321	22.8	1.00	1.00	08/03/17	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	08/03/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	08/03/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	08/03/17	KCA	1
Chloromethane	0.621	0.485	0.485	1.28	1.00	1.00	08/03/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Cyclohexane	2.40	0.291	0.291	8.26	1.00	1.00	08/03/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	08/03/17	KCA	1
Dichlorodifluoromethane	0.481	0.202	0.202	2.38	1.00	1.00	08/03/17	KCA	1
Ethanol	37.8	0.531	0.531	71.2	1.00	1.00	08/03/17	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Ethylbenzene	4.41	0.230	0.230	19.1	1.00	1.00	08/03/17	KCA	1
Heptane	34.3	0.244	0.244	140	1.00	1.00	08/03/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	08/03/17	KCA	1
Hexane	18.4	0.284	0.284	64.8	1.00	1.00	08/03/17	KCA	1
Isopropylalcohol	48.2	E 0.407	0.407	118	1.00	1.00	08/03/17	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	08/03/17	KCA	1
m,p-Xylene	9.26	0.230	0.230	40.2	1.00	1.00	08/03/17	KCA	1
Methyl Ethyl Ketone	15.3	0.339	0.339	45.1	1.00	1.00	08/03/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Methylene Chloride	0.533	S 0.288	0.288	1.85	1.00	1.00	08/03/17	KCA	1
n-Butylbenzene	0.814	0.182	0.182	4.47	1.00	1.00	08/03/17	KCA	1
o-Xylene	2.91	0.230	0.230	12.6	1.00	1.00	08/03/17	KCA	1
Propylene	31.6	0.581	0.581	54.4	1.00	1.00	08/03/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1
Styrene	0.328	0.235	0.235	1.40	1.00	1.00	08/03/17	KCA	1
Tetrachloroethene	0.764	0.037	0.037	5.18	0.25	0.25	08/03/17	KCA	1
Tetrahydrofuran	0.495	0.339	0.339	1.46	1.00	1.00	08/03/17	KCA	1
Toluene	25.0	0.266	0.266	94.2	1.00	1.00	08/03/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Trichloroethene	7.49	0.047	0.047	40.2	0.25	0.25	08/03/17	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	08/03/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	08/03/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	08/03/17	KCA	1

QA/QC Surrogates

% Bromofluorobenzene	>130	%	%	>130	%	%	08/03/17	KCA	1
----------------------	------	---	---	------	---	---	----------	-----	---

Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Air Analysis:

Surrogate criteria exceeded method criteria due to a matrix interference.

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 11290

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:25
08/02/17 15:35

Time

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76580

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trimethylbenzene	1.03	0.204	0.204	5.06	1.00	1.00	08/03/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	08/03/17	KCA	1
1,3,5-Trimethylbenzene	0.493	0.204	0.204	2.42	1.00	1.00	08/03/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	08/03/17	KCA	1
1,3-Dichlorobenzene	2.15	0.166	0.166	12.9	1.00	1.00	08/03/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
4-Ethyltoluene	0.361	0.204	0.204	1.77	1.00	1.00	08/03/17	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1
4-Methyl-2-pentanone(MIBK)	0.575	0.244	0.244	2.35	1.00	1.00	08/03/17	KCA	1
Acetone	250	D 4.21	4.21	593	10.0	10.0	08/03/17	KCA	10
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	08/03/17	KCA	1
Benzene	1.88	0.313	0.313	6.00	1.00	1.00	08/03/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	08/03/17	KCA	1

Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	08/03/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	08/03/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	08/03/17	KCA	1
Carbon Disulfide	2.84	0.321	0.321	8.84	1.00	1.00	08/03/17	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	08/03/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	08/03/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	08/03/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	08/03/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Cyclohexane	1.53	0.291	0.291	5.26	1.00	1.00	08/03/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	08/03/17	KCA	1
Dichlorodifluoromethane	0.817	0.202	0.202	4.04	1.00	1.00	08/03/17	KCA	1
Ethanol	39.9	0.531	0.531	75.1	1.00	1.00	08/03/17	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Ethylbenzene	4.09	0.230	0.230	17.7	1.00	1.00	08/03/17	KCA	1
Heptane	2.38	0.244	0.244	9.7	1.00	1.00	08/03/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	08/03/17	KCA	1
Hexane	4.90	0.284	0.284	17.3	1.00	1.00	08/03/17	KCA	1
Isopropylalcohol	2.74	0.407	0.407	6.73	1.00	1.00	08/03/17	KCA	1
Isopropylbenzene	0.288	0.204	0.204	1.41	1.00	1.00	08/03/17	KCA	1
m,p-Xylene	9.90	0.230	0.230	43.0	1.00	1.00	08/03/17	KCA	1
Methyl Ethyl Ketone	19.6	0.339	0.339	57.8	1.00	1.00	08/03/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	08/03/17	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1
o-Xylene	2.74	0.230	0.230	11.9	1.00	1.00	08/03/17	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	08/03/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	08/03/17	KCA	1
Tetrachloroethene	0.513	0.037	0.037	3.48	0.25	0.25	08/03/17	KCA	1
Tetrahydrofuran	0.604	0.339	0.339	1.78	1.00	1.00	08/03/17	KCA	1
Toluene	5.59	0.266	0.266	21.1	1.00	1.00	08/03/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Trichloroethene	1.05	0.047	0.047	5.64	0.25	0.25	08/03/17	KCA	1
Trichlorofluoromethane	0.535	0.178	0.178	3.00	1.00	1.00	08/03/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	08/03/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	08/03/17	KCA	1
<u>QA/OC Surrogates</u>									
% Bromofluorobenzene	115	%	%	115	%	%	08/03/17	KCA	1

Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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

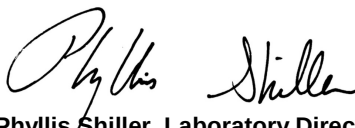
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 19916

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:29
08/02/17 15:35

Time

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76581

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	4.37	4.37	ND	30.0	30.0	08/03/17	KCA	30
1,1,1-Trichloroethane	ND	5.50	5.50	ND	30.0	30.0	08/03/17	KCA	30
1,1,2,2-Tetrachloroethane	ND	4.37	4.37	ND	30.0	30.0	08/03/17	KCA	30
1,1,2-Trichloroethane	ND	5.50	5.50	ND	30.0	30.0	08/03/17	KCA	30
1,1-Dichloroethane	ND	7.42	7.42	ND	30.0	30.0	08/03/17	KCA	30
1,1-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30
1,2,4-Trichlorobenzene	ND	4.04	4.04	ND	30.0	30.0	08/03/17	KCA	30
1,2,4-Trimethylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30
1,2-Dibromoethane(EDB)	ND	3.91	3.91	ND	30.0	30.0	08/03/17	KCA	30
1,2-Dichlorobenzene	ND	4.99	4.99	ND	30.0	30.0	08/03/17	KCA	30
1,2-Dichloroethane	ND	7.42	7.42	ND	30.0	30.0	08/03/17	KCA	30
1,2-dichloropropane	ND	6.50	6.50	ND	30.0	30.0	08/03/17	KCA	30
1,2-Dichlorotetrafluoroethane	ND	4.29	4.29	ND	30.0	30.0	08/03/17	KCA	30
1,3,5-Trimethylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30
1,3-Butadiene	ND	13.6	13.6	ND	30.1	30.1	08/03/17	KCA	30
1,3-Dichlorobenzene	ND	4.99	4.99	ND	30.0	30.0	08/03/17	KCA	30
1,4-Dichlorobenzene	ND	4.99	4.99	ND	30.0	30.0	08/03/17	KCA	30
1,4-Dioxane	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30
2-Hexanone(MBK)	ND	7.33	7.33	ND	30.0	30.0	08/03/17	KCA	30
4-Ethyltoluene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30
4-Isopropyltoluene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30
4-Methyl-2-pentanone(MIBK)	ND	7.33	7.33	ND	30.0	30.0	08/03/17	KCA	30
Acetone	306	12.6	12.6	726	29.9	29.9	08/03/17	KCA	30
Acrylonitrile	ND	13.8	13.8	ND	29.9	29.9	08/03/17	KCA	30
Benzene	ND	9.40	9.40	ND	30.0	30.0	08/03/17	KCA	30
Benzyl chloride	ND	5.80	5.80	ND	30.0	30.0	08/03/17	KCA	30

Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	4.48	4.48	ND	30.0	30.0	08/03/17	KCA	30
Bromoform	ND	2.90	2.90	ND	30.0	30.0	08/03/17	KCA	30
Bromomethane	ND	7.73	7.73	ND	30.0	30.0	08/03/17	KCA	30
Carbon Disulfide	21.7	9.64	9.64	67.5	30.0	30.0	08/03/17	KCA	30
Carbon Tetrachloride	ND	1.19	1.19	ND	7.48	7.48	08/03/17	KCA	30
Chlorobenzene	ND	6.52	6.52	ND	30.0	30.0	08/03/17	KCA	30
Chloroethane	ND	11.4	11.4	ND	30.1	30.1	08/03/17	KCA	30
Chloroform	ND	6.15	6.15	ND	30.0	30.0	08/03/17	KCA	30
Chloromethane	ND	14.5	14.5	ND	29.9	29.9	08/03/17	KCA	30
Cis-1,2-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30
cis-1,3-Dichloropropene	ND	6.61	6.61	ND	30.0	30.0	08/03/17	KCA	30
Cyclohexane	92.0	8.72	8.72	316	30.0	30.0	08/03/17	KCA	30
Dibromochloromethane	ND	3.52	3.52	ND	30.0	30.0	08/03/17	KCA	30
Dichlorodifluoromethane	ND	6.07	6.07	ND	30.0	30.0	08/03/17	KCA	30
Ethanol	70.0	15.9	15.9	132	29.9	29.9	08/03/17	KCA	30
Ethyl acetate	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30
Ethylbenzene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Heptane	75.0	7.32	7.32	307	30.0	30.0	08/03/17	KCA	30
Hexachlorobutadiene	ND	2.81	2.81	ND	30.0	30.0	08/03/17	KCA	30
Hexane	97.5	8.52	8.52	343	30.0	30.0	08/03/17	KCA	30
Isopropylalcohol	35.9	12.2	12.2	88.2	30.0	30.0	08/03/17	KCA	30
Isopropylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30
m,p-Xylene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Methyl Ethyl Ketone	12.9	10.2	10.2	38.0	30.1	30.1	08/03/17	KCA	30
Methyl tert-butyl ether(MTBE)	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30
Methylene Chloride	ND	8.64	8.64	ND	30.0	30.0	08/03/17	KCA	30
n-Butylbenzene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30
o-Xylene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Propylene	ND	17.4	17.4	ND	29.9	29.9	08/03/17	KCA	30
sec-Butylbenzene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30
Styrene	ND	7.05	7.05	ND	30.0	30.0	08/03/17	KCA	30
Tetrachloroethene	1.74	1.11	1.11	11.8	7.52	7.52	08/03/17	KCA	30
Tetrahydrofuran	ND	10.2	10.2	ND	30.1	30.1	08/03/17	KCA	30
Toluene	21.2	7.97	7.97	79.8	30.0	30.0	08/03/17	KCA	30
Trans-1,2-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30
trans-1,3-Dichloropropene	ND	6.61	6.61	ND	30.0	30.0	08/03/17	KCA	30
Trichloroethene	1.89	1.40	1.40	10.2	7.52	7.52	08/03/17	KCA	30
Trichlorofluoromethane	ND	5.34	5.34	ND	30.0	30.0	08/03/17	KCA	30
Trichlorotrifluoroethane	ND	3.92	3.92	ND	30.0	30.0	08/03/17	KCA	30
Vinyl Chloride	ND	2.94	2.94	ND	7.51	7.51	08/03/17	KCA	30

QA/OC Surrogates

% Bromofluorobenzene	>130	%	%	>130	%	%	08/03/17	KCA	30
----------------------	------	---	---	------	---	---	----------	-----	----

Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

Air Analysis:

Surrogate criteria exceeded method criteria due to a matrix interference.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 463

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:38
08/02/17 15:35

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76582

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
<u>Volatiles (TO15)</u>										
1,1,1,2-Tetrachloroethane	ND	4.37	4.37	ND	30.0	30.0	08/03/17	KCA	30	1
1,1,1-Trichloroethane	ND	5.50	5.50	ND	30.0	30.0	08/03/17	KCA	30	
1,1,2,2-Tetrachloroethane	ND	4.37	4.37	ND	30.0	30.0	08/03/17	KCA	30	
1,1,2-Trichloroethane	ND	5.50	5.50	ND	30.0	30.0	08/03/17	KCA	30	
1,1-Dichloroethane	ND	7.42	7.42	ND	30.0	30.0	08/03/17	KCA	30	
1,1-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30	
1,2,4-Trichlorobenzene	ND	4.04	4.04	ND	30.0	30.0	08/03/17	KCA	30	
1,2,4-Trimethylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30	
1,2-Dibromoethane(EDB)	ND	3.91	3.91	ND	30.0	30.0	08/03/17	KCA	30	
1,2-Dichlorobenzene	ND	4.99	4.99	ND	30.0	30.0	08/03/17	KCA	30	
1,2-Dichloroethane	ND	7.42	7.42	ND	30.0	30.0	08/03/17	KCA	30	
1,2-dichloropropane	ND	6.50	6.50	ND	30.0	30.0	08/03/17	KCA	30	
1,2-Dichlorotetrafluoroethane	ND	4.29	4.29	ND	30.0	30.0	08/03/17	KCA	30	
1,3,5-Trimethylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30	
1,3-Butadiene	ND	13.6	13.6	ND	30.1	30.1	08/03/17	KCA	30	
1,3-Dichlorobenzene	5.07	4.99	4.99	30.5	30.0	30.0	08/03/17	KCA	30	
1,4-Dichlorobenzene	ND	4.99	4.99	ND	30.0	30.0	08/03/17	KCA	30	
1,4-Dioxane	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30	
2-Hexanone(MBK)	ND	7.33	7.33	ND	30.0	30.0	08/03/17	KCA	30	1
4-Ethyltoluene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30	1
4-Isopropyltoluene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30	1
4-Methyl-2-pentanone(MIBK)	ND	7.33	7.33	ND	30.0	30.0	08/03/17	KCA	30	
Acetone	514	12.6	12.6	1220	29.9	29.9	08/03/17	KCA	30	
Acrylonitrile	ND	13.8	13.8	ND	29.9	29.9	08/03/17	KCA	30	
Benzene	9.51	9.40	9.40	30.4	30.0	30.0	08/03/17	KCA	30	
Benzyl chloride	ND	5.80	5.80	ND	30.0	30.0	08/03/17	KCA	30	

Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	4.48	4.48	ND	30.0	30.0	08/03/17	KCA	30
Bromoform	ND	2.90	2.90	ND	30.0	30.0	08/03/17	KCA	30
Bromomethane	ND	7.73	7.73	ND	30.0	30.0	08/03/17	KCA	30
Carbon Disulfide	14.4	9.64	9.64	44.8	30.0	30.0	08/03/17	KCA	30
Carbon Tetrachloride	ND	1.19	1.19	ND	7.48	7.48	08/03/17	KCA	30
Chlorobenzene	ND	6.52	6.52	ND	30.0	30.0	08/03/17	KCA	30
Chloroethane	ND	11.4	11.4	ND	30.1	30.1	08/03/17	KCA	30
Chloroform	ND	6.15	6.15	ND	30.0	30.0	08/03/17	KCA	30
Chloromethane	ND	14.5	14.5	ND	29.9	29.9	08/03/17	KCA	30
Cis-1,2-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30
cis-1,3-Dichloropropene	ND	6.61	6.61	ND	30.0	30.0	08/03/17	KCA	30
Cyclohexane	149	8.72	8.72	513	30.0	30.0	08/03/17	KCA	30
Dibromochloromethane	ND	3.52	3.52	ND	30.0	30.0	08/03/17	KCA	30
Dichlorodifluoromethane	ND	6.07	6.07	ND	30.0	30.0	08/03/17	KCA	30
Ethanol	105	15.9	15.9	198	29.9	29.9	08/03/17	KCA	30
Ethyl acetate	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30
Ethylbenzene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Heptane	119	7.32	7.32	487	30.0	30.0	08/03/17	KCA	30
Hexachlorobutadiene	ND	2.81	2.81	ND	30.0	30.0	08/03/17	KCA	30
Hexane	178	8.52	8.52	627	30.0	30.0	08/03/17	KCA	30
Isopropylalcohol	41.6	12.2	12.2	102	30.0	30.0	08/03/17	KCA	30
Isopropylbenzene	ND	6.11	6.11	ND	30.0	30.0	08/03/17	KCA	30
m,p-Xylene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Methyl Ethyl Ketone	32.8	10.2	10.2	96.7	30.1	30.1	08/03/17	KCA	30
Methyl tert-butyl ether(MTBE)	ND	8.33	8.33	ND	30.0	30.0	08/03/17	KCA	30
Methylene Chloride	ND	8.64	8.64	ND	30.0	30.0	08/03/17	KCA	30
n-Butylbenzene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30
o-Xylene	ND	6.91	6.91	ND	30.0	30.0	08/03/17	KCA	30
Propylene	ND	17.4	17.4	ND	29.9	29.9	08/03/17	KCA	30
sec-Butylbenzene	ND	5.47	5.47	ND	30.0	30.0	08/03/17	KCA	30
Styrene	ND	7.05	7.05	ND	30.0	30.0	08/03/17	KCA	30
Tetrachloroethene	ND	1.11	1.11	ND	7.52	7.52	08/03/17	KCA	30
Tetrahydrofuran	ND	10.2	10.2	ND	30.1	30.1	08/03/17	KCA	30
Toluene	20.2	7.97	7.97	76.1	30.0	30.0	08/03/17	KCA	30
Trans-1,2-Dichloroethene	ND	7.57	7.57	ND	30.0	30.0	08/03/17	KCA	30
trans-1,3-Dichloropropene	ND	6.61	6.61	ND	30.0	30.0	08/03/17	KCA	30
Trichloroethene	ND	1.40	1.40	ND	7.52	7.52	08/03/17	KCA	30
Trichlorofluoromethane	ND	5.34	5.34	ND	30.0	30.0	08/03/17	KCA	30
Trichlorotrifluoroethane	ND	3.92	3.92	ND	30.0	30.0	08/03/17	KCA	30
Vinyl Chloride	ND	2.94	2.94	ND	7.51	7.51	08/03/17	KCA	30

QA/OC Surrogates

% Bromofluorobenzene	>130	%	%	>130	%	%	08/03/17	KCA	30
----------------------	------	---	---	------	---	---	----------	-----	----

Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

Air Analysis:

Surrogate criteria exceeded method criteria due to a matrix interference.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 173

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:44
08/02/17 15:35

Time

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76583

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trimethylbenzene	1.94	0.204	0.204	9.5	1.00	1.00	08/03/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	08/03/17	KCA	1
1,3,5-Trimethylbenzene	0.466	0.204	0.204	2.29	1.00	1.00	08/03/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	08/03/17	KCA	1
1,3-Dichlorobenzene	6.78	0.166	0.166	40.7	1.00	1.00	08/03/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
4-Ethyltoluene	0.405	0.204	0.204	1.99	1.00	1.00	08/03/17	KCA	1
4-Isopropyltoluene	0.287	0.182	0.182	1.57	1.00	1.00	08/03/17	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
Acetone	312	D 4.21	4.21	741	10.0	10.0	08/03/17	KCA	10
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	08/03/17	KCA	1
Benzene	2.19	0.313	0.313	6.99	1.00	1.00	08/03/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	08/03/17	KCA	1

Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	08/03/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	08/03/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	08/03/17	KCA	1
Carbon Disulfide	0.601	0.321	0.321	1.87	1.00	1.00	08/03/17	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	08/03/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	08/03/17	KCA	1
Chloroform	0.399	0.205	0.205	1.95	1.00	1.00	08/03/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	08/03/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	08/03/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	08/03/17	KCA	1
Dichlorodifluoromethane	0.325	0.202	0.202	1.61	1.00	1.00	08/03/17	KCA	1
Ethanol	31.5	0.531	0.531	59.3	1.00	1.00	08/03/17	KCA	1
Ethyl acetate	1.27	0.278	0.278	4.57	1.00	1.00	08/03/17	KCA	1
Ethylbenzene	33.7	0.230	0.230	146	1.00	1.00	08/03/17	KCA	1
Heptane	1.52	0.244	0.244	6.23	1.00	1.00	08/03/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	08/03/17	KCA	1
Hexane	1.05	S 0.284	0.284	3.70	1.00	1.00	08/03/17	KCA	1
Isopropylalcohol	39.3	0.407	0.407	96.5	1.00	1.00	08/03/17	KCA	1
Isopropylbenzene	0.542	0.204	0.204	2.66	1.00	1.00	08/03/17	KCA	1
m,p-Xylene	52.9	0.230	0.230	230	1.00	1.00	08/03/17	KCA	1
Methyl Ethyl Ketone	16.5	0.339	0.339	48.6	1.00	1.00	08/03/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Methylene Chloride	ND	0.288	0.288	ND	1.00	1.00	08/03/17	KCA	1
n-Butylbenzene	0.423	0.182	0.182	2.32	1.00	1.00	08/03/17	KCA	1
o-Xylene	10.1	0.230	0.230	43.8	1.00	1.00	08/03/17	KCA	1
Propylene	9.10	0.581	0.581	15.7	1.00	1.00	08/03/17	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1
Styrene	ND	0.235	0.235	ND	1.00	1.00	08/03/17	KCA	1
Tetrachloroethene	0.771	0.037	0.037	5.23	0.25	0.25	08/03/17	KCA	1
Tetrahydrofuran	0.567	0.339	0.339	1.67	1.00	1.00	08/03/17	KCA	1
Toluene	30.6	0.266	0.266	115	1.00	1.00	08/03/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Trichloroethene	0.133	0.047	0.047	0.71	0.25	0.25	08/03/17	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	08/03/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	08/03/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	08/03/17	KCA	1
<u>QA/OC Surrogates</u>									
% Bromofluorobenzene	130	%	%	130	%	%	08/03/17	KCA	1

Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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



Analysis Report

August 11, 2017

FOR: Attn: Mr. Tom Gallo
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 23326

Custody Information

Collected by: HL
Received by: B
Analyzed by: see "By" below

Date

08/01/17 13:31
08/02/17 15:35

Time

Laboratory Data

SDG ID: GBY76579
Phoenix ID: BY76584

Project ID: 270 GREEN ST BROOKLYN
Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	08/03/17	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	08/03/17	KCA	1
1,2,4-Trimethylbenzene	2.24	0.204	0.204	11.0	1.00	1.00	08/03/17	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	08/03/17	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	08/03/17	KCA	1
1,3,5-Trimethylbenzene	0.555	0.204	0.204	2.73	1.00	1.00	08/03/17	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	08/03/17	KCA	1
1,3-Dichlorobenzene	8.22	0.166	0.166	49.4	1.00	1.00	08/03/17	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	08/03/17	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	08/03/17	KCA	1
4-Ethyltoluene	0.386	0.204	0.204	1.90	1.00	1.00	08/03/17	KCA	1
4-Isopropyltoluene	0.434	0.182	0.182	2.38	1.00	1.00	08/03/17	KCA	1
4-Methyl-2-pentanone(MIBK)	1.18	0.244	0.244	4.83	1.00	1.00	08/03/17	KCA	1
Acetone	115	D 4.21	4.21	273	10.0	10.0	08/03/17	KCA	10
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	08/03/17	KCA	1
Benzene	6.65	0.313	0.313	21.2	1.00	1.00	08/03/17	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	08/03/17	KCA	1

Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	08/03/17	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	08/03/17	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	08/03/17	KCA	1
Carbon Disulfide	28.2	0.321	0.321	87.8	1.00	1.00	08/03/17	KCA	1
Carbon Tetrachloride	ND	0.040	0.040	ND	0.25	0.25	08/03/17	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	08/03/17	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	08/03/17	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	08/03/17	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	08/03/17	KCA	1
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Cyclohexane	3.97	0.291	0.291	13.7	1.00	1.00	08/03/17	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	08/03/17	KCA	1
Dichlorodifluoromethane	ND	0.202	0.202	ND	1.00	1.00	08/03/17	KCA	1
Ethanol	62.2	E 0.531	0.531	117	1.00	1.00	08/03/17	KCA	1 1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1 1
Ethylbenzene	2.83	0.230	0.230	12.3	1.00	1.00	08/03/17	KCA	1
Heptane	10.1	0.244	0.244	41.4	1.00	1.00	08/03/17	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	08/03/17	KCA	1
Hexane	19.2	0.284	0.284	67.6	1.00	1.00	08/03/17	KCA	1
Isopropylalcohol	39.2	0.407	0.407	96.3	1.00	1.00	08/03/17	KCA	1
Isopropylbenzene	0.323	0.204	0.204	1.59	1.00	1.00	08/03/17	KCA	1
m,p-Xylene	7.04	0.230	0.230	30.6	1.00	1.00	08/03/17	KCA	1
Methyl Ethyl Ketone	12.1	0.339	0.339	35.7	1.00	1.00	08/03/17	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	08/03/17	KCA	1
Methylene Chloride	0.759	S 0.288	0.288	2.63	1.00	1.00	08/03/17	KCA	1
n-Butylbenzene	0.739	0.182	0.182	4.05	1.00	1.00	08/03/17	KCA	1 1
o-Xylene	2.90	0.230	0.230	12.6	1.00	1.00	08/03/17	KCA	1
Propylene	ND	0.581	0.581	ND	1.00	1.00	08/03/17	KCA	1 1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	08/03/17	KCA	1 1
Styrene	0.373	0.235	0.235	1.59	1.00	1.00	08/03/17	KCA	1
Tetrachloroethene	9.37	0.037	0.037	63.5	0.25	0.25	08/03/17	KCA	1
Tetrahydrofuran	1.30	0.339	0.339	3.83	1.00	1.00	08/03/17	KCA	1 1
Toluene	29.3	0.266	0.266	110	1.00	1.00	08/03/17	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	08/03/17	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	08/03/17	KCA	1
Trichloroethene	1.16	0.047	0.047	6.23	0.25	0.25	08/03/17	KCA	1
Trichlorofluoromethane	ND	0.178	0.178	ND	1.00	1.00	08/03/17	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	08/03/17	KCA	1
Vinyl Chloride	ND	0.098	0.098	ND	0.25	0.25	08/03/17	KCA	1

QA/QC Surrogates

% Bromofluorobenzene	136	%	%	136	%	%	08/03/17	KCA	1 3
----------------------	-----	---	---	-----	---	---	----------	-----	-----

Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
-----------	----------------	------------	-------------	-----------------	-------------	-------------	-----------	----	----------

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 L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Air Analysis:

Surrogate criteria exceeded method criteria due to a matrix interference.

S - Laboratory solvent, contamination is possible.

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

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



Phyllis Shiller, Laboratory Director

August 11, 2017

Reviewed and Released by: Jon Carlson, Project Manager



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

August 11, 2017

QA/QC Data

SDG I.D.: GBY76579

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL 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 396313 (ppbv), QC Sample No: BY76579 (BY76579 (1X, 10X) , BY76580 (1X, 10X) , BY76581 (30X) , BY76582 (30X) , BY76583 (1X, 10X) , BY76584 (1X, 10X))

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	122	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.183	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.183	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.247	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.252	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	108	9.04	9.09	1.84	1.85	0.5	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.166	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.247	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.216	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	102	2.67	2.78	0.543	0.566	NC	70 - 130	25
1,3-Butadiene	ND	0.452	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.166	ND	1.00	106	51.3	50.8	8.53	8.46	0.8	70 - 130	25
1,4-Dichlorobenzene	ND	0.166	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.278	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.244	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.204	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.182	ND	1.00	106	2.32	2.29	0.423	0.417	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.421	ND	1.00	93	596	575	251	242	3.7	70 - 130	25
Acrylonitrile	ND	0.461	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.313	ND	1.00	98	25.8	25.9	8.08	8.12	0.5	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.149	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	113	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.257	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.321	ND	1.00	96	22.8	22.0	7.34	7.07	3.7	70 - 130	25
Carbon Tetrachloride	ND	0.040	ND	0.25	101	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.217	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.379	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.205	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.484	ND	1.00	95	1.28	1.25	0.621	0.608	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.291	ND	1.00	97	8.26	7.88	2.40	2.29	4.7	70 - 130	25
Dibromochloromethane	ND	0.117	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.202	ND	1.00	102	2.38	2.32	0.481	0.470	NC	70 - 130	25

QA/QC Data

SDG I.D.: GBY76579

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.531	ND	1.00	101	71.2	64.0	37.8	34.0	10.6	70 - 130	25
Ethyl acetate	ND	0.278	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	118	19.1	18.7	4.41	4.31	2.3	70 - 130	25
Heptane	ND	0.244	ND	1.00	102	140	133	34.3	32.5	5.4	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.284	ND	1.00	96	64.8	64.1	18.4	18.2	1.1	70 - 130	25
Isopropylalcohol	ND	0.407	ND	1.00	88	118	107	48.2	43.4	10.5	70 - 130	25
Isopropylbenzene	ND	0.204	ND	1.00	118	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	110	40.2	40.1	9.26	9.23	0.3	70 - 130	25
Methyl Ethyl Ketone	ND	0.339	ND	1.00	102	45.1	43.3	15.3	14.7	4.0	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.288	ND	1.00	82	1.85 S	1.19 S	0.533 S	0.344 S	NC	70 - 130	25
n-Butylbenzene	ND	0.182	ND	1.00	108	4.47	4.35	0.814	0.793	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	109	12.6	12.0	2.91	2.77	4.9	70 - 130	25
Propylene	ND	0.581	ND	1.00	98	54.4	51.8	31.6	30.1	4.9	70 - 130	25
sec-Butylbenzene	ND	0.182	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.235	ND	1.00	109	1.40	1.36	0.328	0.320	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	112	5.18	5.01	0.764	0.739	3.3	70 - 130	25
Tetrahydrofuran	ND	0.339	ND	1.00	104	1.46	1.55	0.495	0.526	NC	70 - 130	25
Toluene	ND	0.266	ND	1.00	105	94.2	91.5	25.0	24.3	2.8	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.047	ND	0.25	104	40.2	37.8	7.49	7.04	6.2	70 - 130	25
Trichlorofluoromethane	ND	0.178	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.131	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.098	ND	0.25	97	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	98	%	98	%	102	*439	*424	*439	*424	NC	70 - 130	25

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
August 11, 2017

Friday, August 11, 2017

Criteria: None

State: NY

Sample Criteria Exceedances Report
GBY76579 - EBC

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

*** No Data to Display ***

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

APPENDIX - F
DUSR