

586-588 MYRTLE AVENUE
BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 13CVCP108K

Prepared for:

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Prepared by:



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January 2013

REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Kevin Brussee, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located at 586-588 Myrtle Avenue, Brooklyn, NY, (NYC VCP Site No. 13CVCP108K. I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Kevin Brussee

1/18/13



Qualified Environmental Professional

Date

Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The Site is located at 586-588 Myrtle Avenue in the Bedford Stuyvesant section of Brooklyn, New York, and is identified as Block 1910 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 1,661-square feet and is bounded by Myrtle Avenue to the north, a parking lot to the south, a 1-story commercial building (restaurant/bar) to the east, and Classon Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is undeveloped, but it is used as outdoor accessory space for the adjacent restaurant/bar.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 6-story residential building with a full cellar level. Layout of the proposed Site development is presented in Figure 3. The current zoning designation is R6. The proposed use is consistent with existing zoning for the property.

The 46 ft wide tax lot will be developed with a new 6-story apartment building consisting of 19 residential units. The apartment building will have a full cellar that will extend below the entire footprint of the building. The cellar will consist of rooms to be used as accessory space for the first floor, as well as a compactor room, and a mechanical room which will house the building's hot water heaters, gas meters, and sprinkler system. The 1st through 6th floors will each consist of residential apartments.

Two distinct cellar levels will be created. The cellar level that fronts Myrtle Avenue and extends 44 ft deep in to the lot will require excavation to a depth of approximately 7 to 8 feet. Assuming an excavation volume for the street front portion of the cellar of approximately 44 feet (wide) by 44 feet long (length) and 8 feet (deep), a total of approximately 575 cubic yards (850 tons). The cellar level behind this area will require excavation to a depth of approximately 12 feet.



Assuming an excavation volume for the rear cellar area of approximately 30 feet (wide) by 18 feet long (length) and 12 feet (deep), a total of approximately 250 cubic yards (375 tons). The total excavated volume of soil for the entire Site will be approximately 825 cubic yards (1,250 tons).

An L-shaped rear courtyard will be created behind the building. The rear courtyard will be capped with a 6" thick concrete pad

Summary of Past Uses of Site and Areas of Concern

The Site was developed with several small stores from the 1900's to the 1930's, but was vacant and undeveloped from the 1940's to the present.

The AOCs identified for this Site include:

1. Historic fill layer is present at the Site from grade to a depth of approximately 5 feet

Summary of the Work Performed under the Remedial Investigation

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

Summary of Environmental Findings

1. Elevation of the property is approximately 45 feet.
2. Depth to groundwater is approximately 41 feet at the Site.
3. Groundwater flow is generally from southeast to northwest beneath the Site.
4. Depth to bedrock is at the Site is greater than 100 feet.



5. The stratigraphy of the Site, from the surface down, consists of approximately 5 feet of historic fill underlain by a native brown fine silty sand.
6. Soil/fill samples collected during the RI showed no detectable concentrations of chlorinated or petroleum related VOCs with the exception of one VOC (Naphthalene) which was detected within one of the three shallow soil samples at a concentration below Unrestricted Use SCOs. Seven SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo-(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above their respective Restricted Residential Use SCOs within two of the three shallow soil sampling. The SVOCs detected above Restricted Residential SCOs are all PAH compounds and their concentrations and distribution indicate that they are associated with historic fill material observed during the sampling. Seven metals including arsenic, barium, cadmium, copper, lead, mercury, and zinc exceeded Unrestricted Use SCOs in all three shallow soil samples and one of the deep soil samples. Of these metals, barium (maximum of 891 ppm), cadmium (maximum of 4.33 ppm), copper (maximum of 429 ppm), lead (maximum of 1,750 ppm) and mercury (maximum of 51.7 ppm) also exceeded Restricted Residential SCOs. Pesticides including 4,4,4-DDE (maximum of 1,300 ppb), 4,4,4-DDT (maximum of 2,200 ppb), chlordane (maximum of 560 ppb), and dieldrin (maximum of 6.4 ppb) were detected within the shallow soil samples at concentrations above Unrestricted Use SCOs, but below Restricted Residential SCOs. PCB-1260 was detected within two of the shallow soil samples, and was reported within one of the samples at a concentration (2,200 ppb) above Restricted Residential SCOs. No VOCs, SVOCs, PCBs, or pesticides were detected above Unrestricted Use SCOs within any of the deep soil samples collected at the Site. Overall, the findings were consistent with observations for historical fill sites in areas throughout NYC.
7. Groundwater samples collected during the RI showed no detectable concentrations of pesticides. VOCs were not detected in groundwater with the exception of two chlorinated VOCs (trichloroethene (maximum of 3.6 ppb) and chloromethane (maximum of 19 ppb)). Both chlorinated VOCs were reported in all three groundwater samples at a concentration below GQs. No chlorinated VOCs were identified in any of the soil

samples collected on Site and are not associated with known historical uses of the property.

Two SVOCs were detected in two of the three monitoring wells at concentrations well below GQSs. PCB-1260 (0.14 ppb) was detected within the monitoring well installed in the same soil boring location that reported an elevated concentration of PCB-1260 within the shallow soil sample interval. However, since PCB-1260 was not detected within the other two monitoring wells, and PCB-1260 was not detected within the deeper soil sampling interval of the same soil boring, the PCB-1260 reported within the groundwater sample was likely transported by the sampling rods.

The metals manganese, and sodium were detected above their respective NYSDEC Groundwater Quality Standards (GQS) in all three groundwater samples.

8. Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. Tetrachloroethylene (PCE) was identified in all three two soil vapor samples at a maximum concentration of $0.949 \mu\text{g}/\text{m}^3$. Trichloroethylene (TCE) was reported within two of the three soil vapor samples at a maximum concentration of $0.644 \mu\text{g}/\text{m}^3$. These PCE and TCE concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix. Concentrations of petroleum-related VOCs were generally less than $50 \mu\text{g}/\text{m}^3$, with the exceptions of toluene (max of $86.2 \mu\text{g}/\text{m}^3$). The highest reported concentrations were for acetone ($124 \mu\text{g}/\text{m}^3$) and ethanol ($145 \mu\text{g}/\text{m}^3$).

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Blue Group Properties has enrolled in the New York City Volunteer Cleanup Program (NYC VCP) to investigate and remediate a 0.038-acre Site located at 586-588 Myrtle Avenue in the Bedford Stuyvesant section of Brooklyn, New York. Residential use is proposed for the property. The RI work was performed between December 2, 2012, and December 20, 2012. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 586-588 Myrtle Avenue in the Bedford Stuyvesant section of Brooklyn, New York, and is identified as Block 1910 and Lot 23 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 1,661-square feet and is bounded by Myrtle Avenue to the north, a parking lot to the south, a 1-story commercial building (restaurant/bar) to the east, and Classon Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is undeveloped, but it is used as outdoor accessory space for the adjacent restaurant/bar.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 6-story residential building with a full cellar level. Layout of the proposed Site development is presented in Figure 3. The current zoning designation is R6. The proposed use is consistent with existing zoning for the property.

The 46 ft wide tax lot will be developed with a new 6-story apartment building consisting of 19 residential units. The apartment building will have a full cellar that will extend below the entire footprint of the building. The cellar will consist of rooms to be used as accessory space for the first floor, as well as a compactor room, and a mechanical room which will house the building's hot water heaters, gas meters, and sprinkler system. The 1st through 6th floors will each consist of residential apartments.

Two distinct cellar levels will be created. The cellar level that fronts Myrtle Avenue and extends 44 ft deep in to the lot will require excavation to a depth of approximately 7 to 8 feet. Assuming an excavation volume for the street front portion of the cellar of approximately 44 feet (wide) by 44 feet long (length) and 8 feet (deep), a total of approximately 575 cubic yards (850 tons). The cellar level behind this area will require excavation to a depth of approximately 12 feet. Assuming an excavation volume for the rear cellar area of approximately 30 feet (wide) by 18 feet long (length) and 12 feet (deep), a total of approximately 250 cubic yards (375 tons). The total excavated volume of soil for the entire Site will be approximately 825 cubic yards (1,250 tons).

An L-shaped rear courtyard will be created behind the building. The rear courtyard will be capped with a 6" thick concrete pad.

1.3 Description of Surrounding Property

The area surrounding the Site consists of a mix of residential and commercial properties, but a large portion of the neighborhood to the south is occupied by the St. Mary's Episcopal Church and church grounds. Figure 4 shows the surrounding land usage of the adjacent properties listed below as well as additional properties located up to 500 feet away from the Site. No hospitals, daycare facilities or schools are located within a 250 ft radius of the Site.

Surrounding Property Usage

Direction	Property Description
North – Opposite side of Myrtle Avenue	<u>Block 1896, Lots 73, 74, 75, 76</u> (585 to 579 Myrtle Avenue) – Multiple thin lots each developed with a three-story row houses with first floor commercial space.
South – Adjacent property	<u>Block 2266, Lot 1</u> (273 Willoughby Avenue) – A large lot that is currently utilized by the St. Mary's Episcopal Church
East – Adjacent property	<u>Block 1910, Lot 25</u> (590 Myrtle Avenue) – A one-story building currently occupied by a bar/restaurant.
West – Opposite side of Classon Avenue	<u>Block 1909, Lot 32</u> (584 Myrtle Avenue) – Developed with a three-story row house with first floor commercial space.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site was developed with several small stores from the 1900's to the 1930's, but was vacant and undeveloped from the 1940's to the present.

2.2 Previous Investigations

EBC has not been made aware of any previous subsurface investigations conducted at the Site.

2.3 Site Inspection

Mr. Kevin Brussee of EBC performed the Site inspection on December 2, 2012, beginning at approximately 8:00 am. The reconnaissance included a visual inspection of the undeveloped lot, the sidewalk immediately surrounding the corner lot, and the exterior of adjacent properties. At the time of the inspection, the Site consisted of an undeveloped lot. However, the lot was set up for use as an outdoor eating/sitting area for the adjacent bar/restaurant. A fence was constructed around the lot, and the lot was capped with concrete.

No evidence of an aboveground storage tanks were observed, and no evidence of an underground storage tank was observed.

2.4 Areas of Concern

The AOCs identified for this Site include:

1. Historic fill layer is present at the Site from grade to a depth of approximately 5 feet.

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

3.0 PROJECT MANAGEMENT

3.1 Project Organization

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

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Blue Group Properties performed the following scope of work:

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

4.1 Geophysical Investigation

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

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On December 2, 2012, three soil borings (B1-B3) were performed in the approximate locations shown on Figure 5. The three soil boring locations were chosen to gain representative soil and groundwater quality information across the Site. For each of the three soil borings, soil samples were collected continuously from grade to a final depth of 9 feet below existing grade using a four-foot steel macro-core sampler with acetate liners and Geoprobe direct-push equipment. Soil recovered from each of the soil borings was field screened for the presence of VOCs with a photo-ionization detector (PID) and visually inspected for evidence of contamination. No PID readings above background concentrations were obtained from any the of soil borings.

One soil sample was retained from each soil boring representing the interval 0 to 2 feet below grade and one soil sample was retained from each soil boring representing the interval 7 to 9 feet below grade. Soil boring details are provided in Table 1. Boring logs were prepared by a Qualified Environmental Professional and are attached in Appendix B. A map showing the location of soil borings and monitor wells is shown in Figure 5.

Groundwater Monitoring Well Construction

A temporary 1-inch diameter PVC monitoring well with 15 feet of 0.010 slot screen was installed at all three soil boring locations set to intersect the water table. Since groundwater was encountered at approximately 41 feet below grade, monitoring wells were installed to a depth of 55 feet. Monitoring well sampling details are provided in Table 1. Monitoring well locations are shown in Figure 5.

Survey

Soil borings and wells were located to the nearest 0.10 foot with respect to two or more permanent site features.

Water Level Measurement

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

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Six soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in

Tables 2 through 5. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

The six soil 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). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and target analyte list (TAL) metals.

Groundwater Sampling

Three groundwater samples and one duplicate were collected for chemical analysis during this RI. Groundwater samples were collected by installing a one-inch diameter PVC well, 10 to 15-feet below the water table interface (set at approximately 55 feet below grade). A groundwater sample was then collected from each temporary well utilizing dedicated polyethylene tubing and a check valve. Groundwater samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals. Groundwater sample collection data is reported in Tables 6 through 10. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix C. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 5. Soil vapor sample collection data is reported in Table 11. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

The three soil vapor implants were installed using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor implants is shown on Figure 5. The vapor implants that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The implants were installed to a depth of 9 feet below grade at all locations. Each implant was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the vapor implant to a height of approximately 1 foot above the bottom of the implant. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Soil vapor sampling for the four implants installed on December 2, 2012, was conducted on December 18, 2012. Prior to sampling, each sampling location was tested to ensure a proper surface seal had been obtained. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all three soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the three soil vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow

control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

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

Chemical Analysis

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

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

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 11, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Subsurface soil at the Site consisted of historic fill, which was primarily comprised of brick, concrete, wood and other debris in a brown silty-sand matrix. The layer of historic fill extended to a depth ranging from ground surface to approximately 5 feet below grade. Native soil consisting of a brown sand is present below the historic fill layer.

Hydrogeology

A table of water level data for all monitor wells is included in Table 1. The average depth to groundwater is 41 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 9. Groundwater flow is from southeast to northwest.

5.2 Soil Chemistry

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

Soil/fill samples collected during the RI showed no detectable concentrations of chlorinated or petroleum related VOCs with the exception of one VOC (Naphthalene) which was detected within one of the three shallow soil samples at a concentration below Unrestricted Use SCOs. Seven SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene were detected above their respective Restricted Residential Use SCOs within two of the three shallow soil sampling. The SVOCs detected above Restricted Residential SCOs are all PAH compounds and their concentrations and distribution indicate that they are associated with historic fill material observed during the sampling. Seven metals including arsenic, barium, cadmium, copper, lead,

mercury, and zinc exceeded Unrestricted Use SCOs in all three shallow soil samples and one of the deep soil samples. Of these metals, barium (maximum of 891 ppm), cadmium (maximum of 4.33 ppm), copper (maximum of 429 ppm), lead (maximum of 1,750 ppm) and mercury (maximum of 51.7 ppm) also exceeded Restricted Residential SCOs. Pesticides including 4,4,4-DDE (maximum of 1,300 ppb), 4,4,4-DDT (maximum of 2,200 ppb), chlordane (maximum of 560 ppb), and dieldrin (maximum of 6.4 ppb) were detected within the shallow soil samples at concentrations above Unrestricted Use SCOs, but below Restricted Residential SCOs. PCB-1260 was detected within two of the shallow soil samples, and was reported within one of the samples at a concentration (2,200 ppb) above Restricted Residential SCOs. No VOCs, SVOCs, PCBs, or pesticides were detected above Unrestricted Use SCOs within any of the deep soil samples collected at the Site. Overall, the findings were consistent with observations for historical fill sites in areas throughout NYC.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 6 through 10. Figure 7 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

Groundwater samples collected during the RI showed no detectable concentrations of pesticides. VOCs were not detected in groundwater with the exception of two chlorinated VOCs (trichloroethene (maximum of 3.6 ppb) and chloromethane (maximum of 19 ppb)). Both chlorinated VOCs were reported in all three groundwater samples at a concentration below GQSs. No chlorinated VOCs were identified in any of the soil samples collected on Site and are not associated with known historical uses of the property.

Two SVOCs were detected in two of the three monitoring wells at concentrations well below GQSs. PCB-1260 (0.14 ppb) was detected within the monitoring well installed in the same soil boring location that reported an elevated concentration of PCB-1260 within the shallow soil sample interval. However, since PCB-1260 was not detected within the other two monitoring wells, and PCB-1260 was not detected within the deeper soil sampling interval of the same soil

boring, the PCB-1260 reported within the groundwater sample was likely transported by the sampling rods.

The metals manganese, and sodium were detected above their respective NYSDEC Groundwater Quality Standards (GQS) in all three groundwater samples.

5.4 Soil Vapor Chemistry

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

Soil vapor samples collected during the RI showed petroleum and chlorinated VOCs at generally low concentrations. Tetrachloroethylene (PCE) was identified in all three two soil vapor samples at a maximum concentration of 0.949 $\mu\text{g}/\text{m}^3$. Trichloroethylene (TCE) was reported within two of the three soil vapor samples at a maximum concentration of 0.644 $\mu\text{g}/\text{m}^3$. These PCE and TCE concentrations are below the monitoring level ranges established within the State DOH soil vapor guidance matrix. Concentrations of petroleum-related VOCs were generally less than 50 $\mu\text{g}/\text{m}^3$, with the exceptions of toluene (max of 86.2 $\mu\text{g}/\text{m}^3$). The highest reported concentrations were for acetone (124 $\mu\text{g}/\text{m}^3$) and ethanol (145 $\mu\text{g}/\text{m}^3$).

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Table 1
586-588 Myrtle Avenue, Brooklyn, New York
Soil Boring / Well Information

Boring/Well No.	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)
B1	12/2/2012	9	2			-
B2	12/2/2012	9	2			-
B3	12/2/2012	9	2			-
GW1 - Well	12/2/2012	55	1	pvc	15.00	41.65
GW2 - Well	12/2/2012	55	1	pvc	15.00	42.50
GW3 - Well	12/2/2012	55	1	pvc	15.00	42.36

TABLE 2
586-588 Myrtle Avenue, Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		B3	
			(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg
1,1,1,2-Tetrachloroethane			ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	680	100,000	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane			ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane			ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	270	26,000	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	330	100,000	ND	ND	ND	ND	ND	ND
1,1-Dichloropropene			ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene			ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane			ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	3,600	52,000	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane			ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1,100	100,000	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	20	3,100	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane			ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	8,400	52,000	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	2,400	4,900	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane			ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1,800	13,000	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane			ND	ND	ND	ND	ND	ND
2-Chlorotoluene			ND	ND	ND	ND	ND	ND
2-Hexanone (Methyl Butyl Ketone)			ND	ND	ND	ND	ND	ND
2-Isopropyltoluene			ND	ND	ND	ND	ND	ND
4-Chlorotoluene			ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone			ND	ND	ND	ND	ND	ND
Acetone	50	100,000	ND	ND	ND	ND	ND	ND
Acrylonitrile			ND	ND	ND	ND	ND	ND
Benzene	60	4,800	ND	ND	ND	ND	ND	ND
Bromobenzene			ND	ND	ND	ND	ND	ND
Bromochloromethane			ND	ND	ND	ND	ND	ND
Bromodichloromethane			ND	ND	ND	ND	ND	ND
Bromofom			ND	ND	ND	ND	ND	ND
Bromomethane			ND	ND	ND	ND	ND	ND
Carbon Disulfide			ND	ND	ND	ND	ND	ND
Carbon tetrachloride	760	2,400	ND	ND	ND	ND	ND	ND
Chlorobenzene	1,100	100,000	ND	ND	ND	ND	ND	ND
Chloroethane			ND	ND	ND	ND	ND	ND
Chloroform	370	49,000	ND	ND	ND	ND	ND	ND
Chloromethane			ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	250	100,000	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene			ND	ND	ND	ND	ND	ND
Dibromochloromethane			ND	ND	ND	ND	ND	ND
Dibromoethane			ND	ND	ND	ND	ND	ND
Dibromomethane			ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane			ND	ND	ND	ND	ND	ND
Ethylbenzene	1,000	41,000	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND	ND	ND
Isopropylbenzene			ND	ND	ND	ND	ND	ND
m&p-Xylenes	260	100,000	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone (2-Butanone)	120	100,000	ND	ND	ND	ND	ND	ND
Methyl t-butyl ether (MTBE)	930	100,000	ND	ND	ND	ND	ND	ND
Methylene chloride	50	100,000	ND	ND	ND	ND	ND	ND
Naphthalene			300	ND	ND	ND	ND	ND
n-Butylbenzene	12,000	100,000	ND	ND	ND	ND	ND	ND
n-Propylbenzene	3,900	100,000	ND	ND	ND	ND	ND	ND
o-Xylene	260	100,000	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene			ND	ND	ND	ND	ND	ND
sec-Butylbenzene	11,000	100,000	ND	ND	ND	ND	ND	ND
Styrene			ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5,900	100,000	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1,300	19,000	ND	ND	ND	ND	ND	ND
Tetrahydrofuran (THF)			ND	ND	ND	ND	ND	ND
Toluene	700	100,000	ND	ND	ND	ND	ND	ND
Total Xylenes	260	100,000	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	190	100,000	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene			ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene			ND	ND	ND	ND	ND	ND
Trichloroethene	470	21,000	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane			ND	ND	ND	ND	ND	ND
Trichlorotrifluoroethane			ND	ND	ND	ND	ND	ND
Vinyl Chloride	20	900	ND	ND	ND	ND	ND	ND
Total BTEX Concentration			0.0	0.0	0.0	0.0	0.0	0.0
Total VOCs Concentration			300.0	0.0	0.0	0.0	0.0	0.0

Notes:

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

ND - Not-detected

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

bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

TABLE 3
586-588 Myrtle Avenue, Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		B3	
			(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg
1,2,4,5-Tetrachlorobenzene			ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene			ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene			ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene			ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene			ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol			ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol			ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene			ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene			ND	ND	ND	ND	ND	ND
2-Chloronaphthalene			ND	ND	ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND	ND	ND
2-Methylnaphthalene			2,400	ND	ND	ND	ND	ND
2-Methylphenol (o-cresol)	330	100,000	ND	ND	ND	ND	ND	ND
2-Nitroaniline			ND	ND	ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND	ND	ND
3&4-Methylphenol (m&p-cresol)	330	100,000	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine			ND	ND	ND	ND	ND	ND
3-Nitroaniline			ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol			ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether			ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol			ND	ND	ND	ND	ND	ND
4-Chloroaniline			ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether			ND	ND	ND	ND	ND	ND
4-Nitroaniline			ND	ND	ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND	ND	ND
Acenaphthene	20,000	100,000	6,800	ND	ND	ND	ND	ND
Acenaphthylene	100,000	100,000	ND	ND	ND	ND	ND	ND
Acetophenone			ND	ND	ND	ND	ND	ND
Aniline			ND	ND	ND	ND	ND	ND
Anthracene	100,000	100,000	14,000	ND	710	ND	ND	ND
Benzo(a)anthracene	1,000	1,000	30,000	ND	2,100	ND	340	ND
Benzidine			ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1,000	1,000	25,000	ND	1,700	ND	360	ND
Benzo(b)fluoranthene	1,000	1,000	32,000	ND	2,600	ND	560	ND
Benzo(g,h,i)perylene	100,000	100,000	12,000	ND	660	ND	ND	ND
Benzo(k)fluoranthene	800	3,900	12,000	ND	660	ND	ND	ND
Benzoic Acid			ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate			ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane			ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether			ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether			ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate			ND	ND	ND	ND	ND	ND
Carbazole			11,000	ND	570	ND	ND	ND
Chrysene	1,000	3,900	27,000	ND	1,900	ND	460	ND
Dibenzo(a,h)anthracene	330	330	3,600	ND	ND	ND	ND	ND
Dibenzofuran			5,100	ND	ND	ND	ND	ND
Diethyl phthalate			ND	ND	ND	ND	ND	ND
Dimethyl phthalate			ND	ND	ND	ND	ND	ND
Di-n-butylphthalate			ND	ND	ND	ND	ND	ND
Di-n-octylphthalate			ND	ND	ND	ND	ND	ND
Fluoranthene	100,000	100,000	73,000	ND	4,500	ND	650	ND
Fluorene	30,000	100,000	6,500	ND	ND	ND	ND	ND
Hexachlorobenzene			ND	ND	ND	ND	ND	ND
Hexachlorobutadiene			ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene			ND	ND	ND	ND	ND	ND
Hexachloroethane			ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	500	12,000	ND	640	ND	ND	ND
Isophorone			ND	ND	ND	ND	ND	ND
Naphthalene	12,000	100,000	4,100	ND	ND	ND	ND	ND
Nitrobenzene			ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine			ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine			ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine			ND	ND	ND	ND	ND	ND
Pentachloronitrobenzene			ND	ND	ND	ND	ND	ND
Pentachlorophenol	800	6,700	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	100,000	71,000	ND	3,600	ND	560	ND
Phenol	330	100,000	ND	ND	ND	ND	ND	ND
Pyrene	100,000	100,000	59,000	ND	3,700	ND	570	ND
Pyridine			ND	ND	ND	ND	ND	ND

Notes:

* - NYSDEC Technical and Administrative Guidance Memorandum 4046, 1994

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

ND - Not-detected

NA - Guidance value not available

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

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

TABLE 4
586-588 Myrtle Avenue, Brooklyn, New York
Soil Analytical Results
Pesticides / PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives**	B1		B2		B3	
			(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg
PCB-1016	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1221	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1232	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1242	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1248	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1254	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1260	1,000	1,000	2,200	ND	ND	ND	540	ND
PCB-1262	1,000	1,000	ND	ND	ND	ND	ND	ND
PCB-1268	1,000	1,000	ND	ND	ND	ND	ND	ND
4,4-DDD	3.3	13,000	ND	ND	ND	ND	ND	ND
4,4-DDE	3.3	8,900	1,300	ND	20	ND	ND	ND
4,4-DDT	3.3	7,900	2,200	ND	54	ND	ND	ND
a-BHC	20	480	ND	ND	ND*	ND	ND	ND
Alachlor			ND	ND	ND*	ND	ND	ND
Aldrin	5	97	ND	ND	ND*	ND	ND	ND
b-BHC	36	360	ND	ND	ND*	ND	ND	ND
Chlordane	94	4,200	560	28	300	ND	ND	ND
d-BHC	40	100,000	ND	ND	ND*	ND	ND	ND
Dieldrin	5	200	ND	ND	6.4	ND	ND	ND
Endosulfan I	2,400	24,000	ND	ND	ND	ND	ND	ND
Endosulfan II	2,400	24,000	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	2,400	24,000	ND	ND	ND	ND	ND	ND
Endrin	14	11,000	ND	ND	ND	ND	ND	ND
Endrin aldehyde			ND	ND	ND	ND	ND	ND
Endrin ketone			ND	ND	ND	ND	ND	ND
gamma-BHC			ND	ND	ND	ND	ND	ND
Heptachlor	42	2,100	ND	ND	ND	ND	ND	ND
Heptachlor epoxide			ND	ND	ND	ND	ND	ND
Methoxychlor			ND	ND	ND	ND	ND	ND
Toxaphene			ND	ND	ND	ND	ND	ND

Notes:

* - NYSDEC Technical and Administrative Guidance Memorandum 4046, 1994

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

ND - Not-detected

ND* - For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

NA - Guidance value not available

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

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

TABLE 5
586-588 Myrtle Avenue, Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1		B2		B3	
			(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg	(0-2') µg/Kg	(7-9') µg/Kg
Aluminum			7,980	17,100	7,800	19,100	4,810	9,860
Antimony			BRL	BRL	BRL	BRL	BRL	BRL
Arsenic	13	16	9.8	2.2	13.5	1.9	2.5	2.7
Barium	350	400	891	73.5	323	103	147	86.9
Beryllium	7.2	72	0.6	0.81	0.47	0.95	BRL	0.54
Cadmium	2.5 c	4.3	4.33	BRL	0.58	BRL	1.72	1.01
Calcium			36,000	1,430	32,600	1,600	21,200	5,270
Chromium	30 c	180 - trivalent	44.7	39.2	32.9	68.5	19.2	28.5
Cobalt			7.1	11.5	5.33	18.2	3.25	8.14
Copper	50	270	198	34.4	111	34.5	429	35.2
Iron			20,200	32,000	33,000	41,600	10,300	29,000
Lead	63 c	400	1,750	12	398	14	511	128
Magnesium			4,270	4,830	3,560	4,900	1,600	3,470
Manganese	1600 c	2,000	466	375	314	603	210	411
Mercury	0.18 c	0.81	51.7	BRL	1.4	BRL	0.25	0.21
Nickel	30	310	21.8	23.1	18	26.5	15	20.5
Potassium			1,470	3,060	1,220	2,850	449	1,960
Selenium	3.9c	180	BRL	BRL	BRL	BRL	BRL	BRL
Silver	2	180	BRL	BRL	BRL	BRL	BRL	BRL
Sodium			239	127	379	211	171	117
Thallium			BRL	BRL	BRL	BRL	BRL	BRL
Vanadium			49.4	49.7	26.8	81.6	15.2	35.3
Zinc	109 c	10,000	995	66.6	378	87	444	317

Notes:

* - NYSDEC Technical and Administrative Guidance Memorandum 4046, 1994

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

ND - Not-detected

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

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

TABLE 6
586-588 Myrtle Avenue, Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards (µg/L)	GW1		GW2		GW3		Duplicate	
		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
		Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	5	ND	1	ND	1	ND	1	ND	1
1,1,1-Trichloroethane	5	ND	1	ND	1	ND	1	ND	1
1,1,2,2-Tetrachloroethane	5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethane	5	ND	1	ND	1	ND	1	ND	1
1,1-Dichloroethene		ND	1	ND	1	ND	1	ND	1
1,1-Dichloropropene		ND	1	ND	1	ND	1	ND	1
1,2,3-Trichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,2,3-Trichloropropane		ND	1	ND	1	ND	1	ND	1
1,2,4-Trichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,2,4-Trimethylbenzene	5	ND	1	ND	1	ND	1	ND	1
1,2-Dibromo-3-chloropropane		ND	1	ND	1	ND	1	ND	1
1,2-Dichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	1	ND	1
1,2-Dichloropropane	0.94	ND	0.6	ND	0.6	ND	0.6	ND	0.6
1,3,5-Trimethylbenzene	5	ND	1	ND	1	ND	1	ND	1
1,3-Dichlorobenzene		ND	1	ND	1	ND	1	ND	1
1,3-Dichloropropane		ND	1	ND	1	ND	1	ND	1
1,4-Dichlorobenzene		ND	1	ND	1	ND	1	ND	1
2,2-Dichloropropane		ND	1	ND	1	ND	1	ND	1
2-Chlorotoluene		ND	1	ND	1	ND	1	ND	1
2-Hexanone (Methyl Butyl Ketone)		ND	1	ND	1	ND	1	ND	1
2-Isopropyltoluene		ND	5	ND	5	ND	5	ND	5
4-Chlorotoluene		ND	1	ND	1	ND	1	ND	1
4-Methyl-2-Pentanone		ND	1	ND	1	ND	1	ND	1
Acetone		ND	5	ND	5	ND	5	ND	5
Acrylonitrile		ND	25	ND	25	ND	25	ND	25
Benzene	1	ND	5	ND	5	ND	5	ND	5
Bromobenzene		ND	0.7	ND	0.7	ND	0.7	ND	0.7
Bromochloromethane	5	ND	1	ND	1	ND	1	ND	1
Bromodichloromethane		ND	1	ND	1	ND	1	ND	1
Bromoform		ND	0.5	ND	0.5	ND	0.5	ND	0.5
Bromomethane	5	ND	1	ND	1	ND	1	ND	1
Carbon Disulfide		ND	1	ND	1	ND	1	ND	1
Carbon tetrachloride	5	ND	5	ND	5	ND	5	ND	5
Chlorobenzene		ND	1	ND	1	ND	1	ND	1
Chloroethane		ND	1	ND	1	ND	1	ND	1
Chloroform	7	ND	1	ND	1	ND	1	ND	1
Chloromethane		9.6	1	19	1	10	1	10	1
cis-1,2-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1
cis-1,3-Dichloropropene		ND	1	ND	1	ND	1	ND	1
Dibromochloromethane		ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dibromoethane		ND	0.5	ND	0.5	ND	0.5	ND	0.5
Dibromomethane		ND	1	ND	1	ND	1	ND	1
Dichlorodifluoromethane		ND	1	ND	1	ND	1	ND	1
Ethylbenzene	5	ND	1	ND	1	ND	1	ND	1
Hexachlorobutadiene		ND	0.4	ND	0.4	ND	0.4	ND	0.4
Isopropylbenzene	5	ND	1	ND	1	ND	1	ND	1
m&p-Xylenes	5	ND	1	ND	1	ND	1	ND	1
Methyl Ethyl Ketone (2-Butanone)		ND	5	ND	5	ND	5	ND	5
Methyl t-butyl ether (MTBE)		ND	1	ND	1	ND	1	ND	1
Methylene chloride		ND	1	ND	1	ND	1	ND	1
Naphthalene		ND	1	ND	1	ND	1	ND	1
n-Butylbenzene	5	ND	1	ND	1	ND	1	ND	1
n-Propylbenzene	5	ND	1	ND	1	ND	1	ND	1
o-Xylene	5	ND	1	ND	1	ND	1	ND	1
p-Isopropyltoluene		ND	1	ND	1	ND	1	ND	1
sec-Butylbenzene		ND	1	ND	1	ND	1	ND	1
Styrene		ND	1	ND	1	ND	1	ND	1
tert-Butylbenzene		ND	1	ND	1	ND	1	ND	1
Tetrachloroethene	5	ND	1	ND	1	ND	1	ND	1
Tetrahydrofuran (THF)		ND	5	ND	5	ND	5	ND	5
Toluene	5	ND	1	ND	1	ND	1	ND	1
Total Xylenes		ND	1	ND	1	ND	1	ND	1
trans-1,2-Dichloroethene		ND	1	ND	1	ND	1	ND	1
trans-1,3-Dichloropropene		ND	0.5	ND	0.5	ND	0.5	ND	0.5
trans-1,4-dichloro-2-butene		ND	5	ND	5	ND	5	ND	5
Trichloroethene	5	3.6	1	3.4	1	3.5	1	3.3	1
Trichlorofluoromethane		ND	1	ND	1	ND	1	ND	1
Trichlorotrifluoroethane		ND	1	ND	1	ND	1	ND	1
Vinyl Chloride		ND	1	ND	1	ND	1	ND	1

Notes:

ND - Not detected

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 7
586-588 Myrtle Avenue, Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	GW1		GW2		GW3		Duplicate	
		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
		Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene		ND	1.6	ND	1.7	ND	1.7	ND	1.7
1,2,4-Trichlorobenzene		ND	5	ND	5.3	ND	5.3	ND	5.3
1,2-Dichlorobenzene	3	ND	5	ND	5.3	ND	5.3	ND	5.3
1,2-Diphenylhydrazine		ND	5	ND	5.3	ND	5.3	ND	5.3
1,3-Dichlorobenzene	3	ND	5	ND	5.3	ND	5.3	ND	5.3
1,4-Dichlorobenzene		ND	5	ND	5.3	ND	5.3	ND	5.3
2,4,5-Trichlorophenol	1	ND	10	ND	11	ND	11	ND	11
2,4,6-Trichlorophenol	1	ND	10	ND	11	ND	11	ND	11
2,4-Dichlorophenol	5	ND	10	ND	11	ND	11	ND	11
2,4-Dimethylphenol	1	ND	10	ND	11	ND	11	ND	11
2,4-Dinitrophenol	5	ND	50	ND	53	ND	53	ND	53
2,4-Dinitrotoluene	5	ND	5	ND	5.3	ND	5.3	ND	5.3
2,6-Dinitrotoluene	5	ND	5	ND	5.3	ND	5.3	ND	5.3
2-Chloronaphthalene	10	ND	5	ND	5.3	ND	5.3	ND	5.3
2-Chlorophenol	1	ND	10	ND	11	ND	11	ND	11
2-Methylnaphthalene		ND	5	ND	5.3	ND	5.3	ND	5.3
2-Methylphenol (o-cresol)	1	ND	10	ND	11	ND	11	ND	11
2-Nitroaniline	5	ND	50	ND	53	ND	53	ND	53
2-Nitrophenol	1	ND	10	ND	11	ND	11	ND	11
3&4-Methylphenol (m&p-cresol)		ND	10	ND	11	ND	11	ND	11
3,3'-Dichlorobenzidine	5	ND	50	ND	53	ND	53	ND	53
3-Nitroaniline	5	ND	50	ND	53	ND	53	ND	53
4,6-Dinitro-2-methylphenol	1	ND	50	ND	53	ND	53	ND	53
4-Bromophenyl phenyl ether		ND	5	ND	5.3	ND	5.3	ND	5.3
4-Chloro-3-methylphenol	1	ND	20	ND	21	ND	21	ND	21
4-Chloroaniline	5	ND	20	ND	21	ND	21	ND	21
4-Chlorophenyl phenyl ether		ND	5	ND	5.3	ND	5.3	ND	5.3
4-Nitroaniline	5	ND	20	ND	21	ND	21	ND	21
4-Nitrophenol	1	ND	50	ND	53	ND	53	ND	53
Acenaphthene	20	ND	0.05	ND	0.053	ND	0.053	ND	0.053
Acenaphthylene		ND	0.05	ND	0.053	ND	0.053	ND	0.053
Acetophenone		ND	5	ND	5.3	ND	5.3	ND	5.3
Aniline	5	ND	10	ND	11	ND	11	ND	11
Anthracene	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Benz(a)anthracene	0.002	ND	0.04	ND	0.042	ND	0.042	ND	0.042
Benzidine	5	ND	50	ND	53	ND	53	ND	53
Benzo(a)pyrene		ND	0.05	ND	0.053	ND	0.053	ND	0.053
Benzo(b)fluoranthene	0.002	ND	0.05	ND	0.053	ND	0.053	ND	0.053
Benzo(ghi)perylene		ND	3	ND	3.2	ND	3.2	ND	3.2
Benzo(k)fluoranthene	0.002	ND	0.05	ND	0.053	ND	0.053	ND	0.053
Benzoic acid		ND	50	ND	53	ND	53	ND	53
Benzyl butyl phthalate	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Bis(2-chloroethoxy)methane	5	ND	5	ND	5.3	ND	5.3	ND	5.3
Bis(2-chloroethyl)ether	1	ND	5	ND	5.3	ND	5.3	ND	5.3
Bis(2-chloroisopropyl)ether		ND	5	ND	5.3	ND	5.3	ND	5.3
Bis(2-ethylhexyl)phthalate	5	ND	1.6	ND	1.7	3.4	1.7	ND	1.7
Carbazole		ND	5	ND	5.3	ND	5.3	ND	5.3
Chrysene	0.002	ND	0.05	ND	0.053	ND	0.053	ND	0.053
Dibenz(a,h)anthracene		ND	0.01	ND	0.011	ND	0.011	ND	0.011
Dibenzofuran		ND	5	ND	5.3	ND	5.3	ND	5.3
Diethyl phthalate	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Dimethylphthalate	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Di-n-butylphthalate	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Di-n-octylphthalate	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Fluoranthene	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Fluorene	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Hexachlorobenzene	0.04	ND	0.06	ND	0.063	ND	0.063	ND	0.063
Hexachlorobutadiene	0.5	ND	5	ND	5.3	ND	5.3	ND	5.3
Hexachlorocyclopentadiene	5	ND	5	ND	5.3	ND	5.3	ND	5.3
Hexachloroethane	5	ND	2.4	ND	2.5	ND	2.5	ND	2.5
Indeno(1,2,3-cd)pyrene	0.002	ND	0.05	ND	0.053	ND	0.053	ND	0.053
Isophorone	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Naphthalene	10	ND	5	ND	5.3	ND	5.3	ND	5.3
Nitrobenzene	0.4	ND	5	ND	5.3	ND	5.3	ND	5.3
N-Nitrosodimethylamine		ND	5	ND	5.3	ND	5.3	ND	5.3
N-Nitrosodi-n-propylamine		ND	5	ND	5.3	ND	5.3	ND	5.3
N-Nitrosodiphenylamine	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Pentachloronitrobenzene		ND	0.1	ND	0.11	ND	0.11	ND	0.11
Pentachlorophenol	1	ND	0.8	ND	0.84	ND	0.84	ND	0.84
Phenanthrene	50	0.13	0.05	0.074	0.053	0.12	0.053	ND	0.053
Phenol	1	ND	10	ND	11	ND	11	ND	11
Pyrene	50	ND	5	ND	5.3	ND	5.3	ND	5.3
Pyridine	50	ND	0.5	ND	0.53	ND	0.53	ND	0.53

Notes:

ND - Not detected

Bold/highlighted - Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 8
586-588 Myrtle Avenue, Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

Compound	NYSDEC Groundwater Quality Standards µg/L	GW1		GW2		GW3		Duplicate	
		(µg/L)		(µg/L)		(µg/L)		(µg/L)	
		Result	RL	Result	RL	Result	RL	Result	RL
PCB-1016	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1221	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1232	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1242	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1248	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1254	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1260	0.09	0.14	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1262	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
PCB-1268	0.09	ND	0.1	ND	0.052	ND	0.05	ND	0.05
4,4-DDD	0.3	ND	0.01	ND	0.01	ND	0.01	ND	0.01
4,4-DDE	0.2	ND	0.01	ND	0.01	ND	0.01	ND	0.01
4,4-DDT	0.11	ND	0.01	ND	0.01	ND	0.01	ND	0.01
a-BHC	0.94	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Alachlor		ND	0.078	ND	0.077	ND	0.076	ND	0.075
Aldrin		ND	0.002	ND	0.002	ND	0.002	ND	0.002
b-BHC	0.04	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Chlordane	0.05	ND	0.05	ND	0.05	ND	0.05	ND	0.05
d-BHC	0.04	ND	0.026	ND	0.026	ND	0.025	ND	0.025
Dieldrin	0.004	ND	0.002	ND	0.002	ND	0.002	ND	0.002
Endosulfan I		ND	0.052	ND	0.052	ND	0.05	ND	0.05
Endosulfan II		ND	0.052	ND	0.052	ND	0.05	ND	0.05
Endosulfan Sulfate		ND	0.052	ND	0.052	ND	0.05	ND	0.05
Endrin		ND	0.01	ND	0.01	ND	0.01	ND	0.01
Endrin aldehyde	5	ND	0.052	ND	0.052	ND	0.05	ND	0.05
Endrin ketone		ND	0.052	ND	0.052	ND	0.05	ND	0.05
gamma-BHC	0.05	ND	0.026	ND	0.026	ND	0.025	ND	0.025
Heptachlor	0.04	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Heptachlor epoxide	0.03	ND	0.005	ND	0.005	ND	0.005	ND	0.005
Methoxychlor	35	ND	0.1	ND	0.1	ND	0.1	ND	0.1
Toxaphene		ND	0.26	ND	0.26	ND	0.25	ND	0.25

Notes:

ND - Non-detect

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
586-588 Myrtle Avenue, Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards (mg/L)	GW1		GW2		GW3		Duplicate	
		(mg/L)		(mg/L)		(mg/L)		(mg/L)	
		Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	NS	81.1	0.1	76	0.1	197	0.1	171	0.1
Antimony	0.003	0.014	0.005	0.012	0.005	0.028	0.005	0.029	0.005
Arsenic	0.025	0.057	0.004	0.051	0.004	0.136	0.004	0.131	0.004
Barium	1	3.05	0.002	2.29	0.002	5.47	0.002	5.12	0.002
Beryllium	0.003	0.005	0.001	0.005	0.001	0.012	0.001	0.011	0.001
Cadmium	0.005	0.002	0.001	0.002	0.001	0.006	0.001	0.006	0.001
Calcium	NS	264	0.1	194	0.1	300	0.1	284	0.1
Chromium	0.050	0.647	0.001	0.583	0.001	1.34	0.001	1.16	0.001
Cobalt	NS	0.169	0.002	0.165	0.002	0.378	0.002	0.356	0.002
Copper	0.2	0.513	0.005	0.453	0.005	1.29	0.005	1.16	0.005
Iron	0.5	250	0.1	224	0.1	540	0.1	472	0.1
Lead	0.25	0.414	0.002	0.372	0.002	0.761	0.002	0.707	0.002
Magnesium	35	105	0.1	88.9	0.1	188	0.1	174	0.1
Manganese	0.3	9.11	0.01	9.78	0.01	23.6	0.1	20.8	0.1
Mercury	0.0007	BRL	0.0002	BRL	0.0002	BRL	0.0002	0.0005	0.0002
Nickel	0.1	0.443	0.001	0.439	0.001	1.07	0.001	1	0.001
Potassium	NS	29.6	0.1	26.4	0.1	56.7	1	51.1	1
Selenium	0.1	BRL	0.01	BRL	0.01	BRL	0.01	BRL	0.01
Silver	0.5	BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Sodium	2	58.9	0.1	57.8	0.1	76	1	71.1	1
Thallium	0.005	BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002
Vanadium	NS	0.246	0.002	0.238	0.002	0.535	0.002	0.49	0.002
Zinc	2	0.683	0.002	0.582	0.002	1.87	0.002	1.73	0.002

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
586-588 Myrtle Avenue, Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards (mg/L)	GW1 (mg/L)		GW2 (mg/L)		GW3 (mg/L)		Duplicate (mg/L)	
		Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	NS	0.68	0.01	0.5	0.01	0.44	0.01	0.62	0.01
Antimony	0.003	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Arsenic	0.025	BRL	0.004	0.004	0.004	0.005	0.004	BRL	0.004
Barium	1	0.126	0.002	0.101	0.002	0.108	0.002	0.114	0.002
Beryllium	0.003	BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Cadmium	0.005	BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Calcium	NS	142	0.01	106	0.01	139	0.01	139	0.01
Chromium	0.050	0.003	0.001	0.002	0.001	0.001	0.001	0.002	0.001
Cobalt	NS	0.006	0.001	0.002	0.001	0.005	0.001	0.005	0.001
Copper	0.2	BRL	0.005	BRL	0.005	BRL	0.005	BRL	0.005
Iron	0.5	0.751	0.011	0.438	0.011	0.335	0.011	0.655	0.011
Lead	0.25	0.004	0.002	0.003	0.002	0.002	0.002	0.002	0.002
Magnesium	35	33.8	0.01	28	0.01	31.5	0.01	31.4	0.01
Manganese	0.3	1.22	0.001	0.485	0.001	1.42	0.001	1.45	0.001
Mercury	0.0007	BRL	0.0002	BRL	0.0002	BRL	0.0002	BRL	0.0002
Nickel	0.1	0.022	0.001	0.011	0.001	0.022	0.001	0.023	0.001
Potassium	NS	6.7	0.1	5.3	0.1	6.8	0.1	7	0.1
Selenium	0.1	BRL	0.011	BRL	0.011	BRL	0.011	BRL	0.011
Silver	0.5	BRL	0.001	BRL	0.001	BRL	0.001	BRL	0.001
Sodium	2	56	0.11	57.1	0.11	61.4	0.11	61.2	0.11
Thallium	0.005	BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002
Vanadium	NS	BRL	0.002	BRL	0.002	BRL	0.002	BRL	0.002
Zinc	2	0.004	0.002	0.003	0.002	0.004	0.002	0.005	0.002

Notes:

BRL - Below Reporting Limit

NS - No Standard

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 11
586-588 Myrtle Avenue, Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	SG-1 ($\mu\text{g}/\text{m}^3$)		SG-2 ($\mu\text{g}/\text{m}^3$)		SG-3 ($\mu\text{g}/\text{m}^3$)	
			Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			ND	1	ND	1	ND	1
1,1,1-Trichloroethane	100	<2.0 - 2.8	ND	1	ND	1	ND	1
1,1,2,2-Tetrachloroethane		<1.5	ND	1	ND	1	ND	1
1,1,2-Trichloroethane		<1.0	ND	1	ND	1	ND	1
1,1-Dichloroethane		<1.0	ND	1	ND	1	ND	1
1,1-Dichloroethene		<1.0	ND	1	ND	1	ND	1
1,2,4-Trichlorobenzene		NA	ND	1	ND	1	ND	1
1,2,4-Trimethylbenzene		<1.0	7.71	1	5.94	1	8.16	1
1,2-Dibromoethane		<1.5	ND	1	ND	1	ND	1
1,2-Dichlorobenzene		<2.0	ND	1	ND	1	ND	1
1,2-Dichloroethane		<1.0	ND	1	ND	1	ND	1
1,2-Dichloroethene		NA	ND	1	ND	1	ND	1
1,2-Dichlorotetrafluoroethane			ND	1	ND	1	ND	1
1,3,5-Trimethylbenzene		<1.0	2.06	1	1.67	1	2.36	1
1,3-Butadiene		NA	ND	1	ND	1	ND	1
1,3-Dichlorobenzene		<2.0	ND	1	ND	1	ND	1
1,4-Dichlorobenzene		NA	ND	1	ND	1	ND	1
1,4-Dioxane			ND	1	ND	1	ND	1
2-Hexanone			ND	1	ND	1	ND	1
4-Ethyltoluene		NA	1.47	1	1.38	1	2.11	1
4-Isopropyltoluene			ND	1	ND	1	ND	1
4-Methyl-2-pentanone			6.34	1	8.35	1	3.48	1
Acetone		NA	70.5	1	71.7	1	124	1
Acrylonitrile			ND	1	ND	1	ND	1
Benzene		<1.6 - 4.7	2.46	1	2.14	1	2.68	1
Benzyl Chloride		NA	ND	1	ND	1	ND	1
Bromodichloromethane		<5.0	ND	1	ND	1	ND	1
Bromoform		<1.0	ND	1	ND	1	ND	1
Bromomethane		<1.0	ND	1	ND	1	ND	1
Carbon Disulfide		NA	1.52	1	1.06	1	3.02	1
Carbon Tetrachloride	5	<3.1	0.503	0.25	0.503	0.25	0.503	0.25
Chlorobenzene		<2.0	ND	1	ND	1	ND	1
Chloroethane		NA	ND	1	ND	1	ND	1
Chloroform		<2.4	5.22	1	1.17	1	6.59	1
Chloromethane		<1.0 - 1.4	ND	1	ND	1	ND	1
cis-1,2-Dichloroethene		<1.0	ND	1	ND	1	ND	1
cis-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1
Cyclohexane		NA	1.17	1	1.14	1	1.2	1
Dibromochloromethane		<5.0	ND	1	ND	1	ND	1
Dichlorodifluoromethane		NA	2.87	1	2.42	1	ND	1
Ethanol			131	1	145	1	145	1
Ethyl Acetate		NA	ND	1	ND	1	1.01	1
Ethylbenzene		<4.3	5.51	1	5.42	1	7.2	1
Heptane		NA	13.1	1	14.3	1	10.5	1
Hexachlorobutadiene		NA	ND	1	ND	1	ND	1
Hexane		<1.5	3.17	1	3.8	1	3.63	1
Isopropylalcohol		NA	5.08	1	6.95	1	6.24	1
Isopropylbenzene			ND	1	ND	1	ND	1
Xylene (m&p)		<4.3	17.9	1	17.5	1	24.4	1
Methyl Ethyl Ketone			2.27	1	2.3	1	3.48	1
MTBE		NA	ND	1	ND	1	ND	1
Methylene Chloride		<3.4	9.48	1	17.8	1	3.58	1
n-Butylbenzene			ND	1	ND	1	ND	1
Xylene (o)		<4.3	6.42	1	6.34	1	8.5	1
Propylene		NA	ND	1	ND	1	ND	1
sec-Butylbenzene			ND	1	ND	1	ND	1
Styrene		<1.0	ND	1	ND	1	ND	1
Tetrachloroethene	100		0.949	0.25	0.881	0.25	0.881	0.25
Tetrahydrofuran		NA	ND	1	ND	1	ND	1
Toluene		1.0 - 6.1	85.5	1	86.2	1	73.1	1
trans-1,2-Dichloroethene		NA	ND	1	ND	1	ND	1
trans-1,3-Dichloropropene		NA	ND	1	ND	1	ND	1
Trichloroethene	5	<1.7	0.43	0.25	ND	0.25	0.644	0.25
Trichlorofluoromethane		NA	1.46	1	1.29	1	1.8	1
Trichlorotrifluoroethane			ND	1	ND	1	ND	1
Vinyl Chloride		<1.0	ND	0.25	ND	0.25	ND	0.25

Notes:

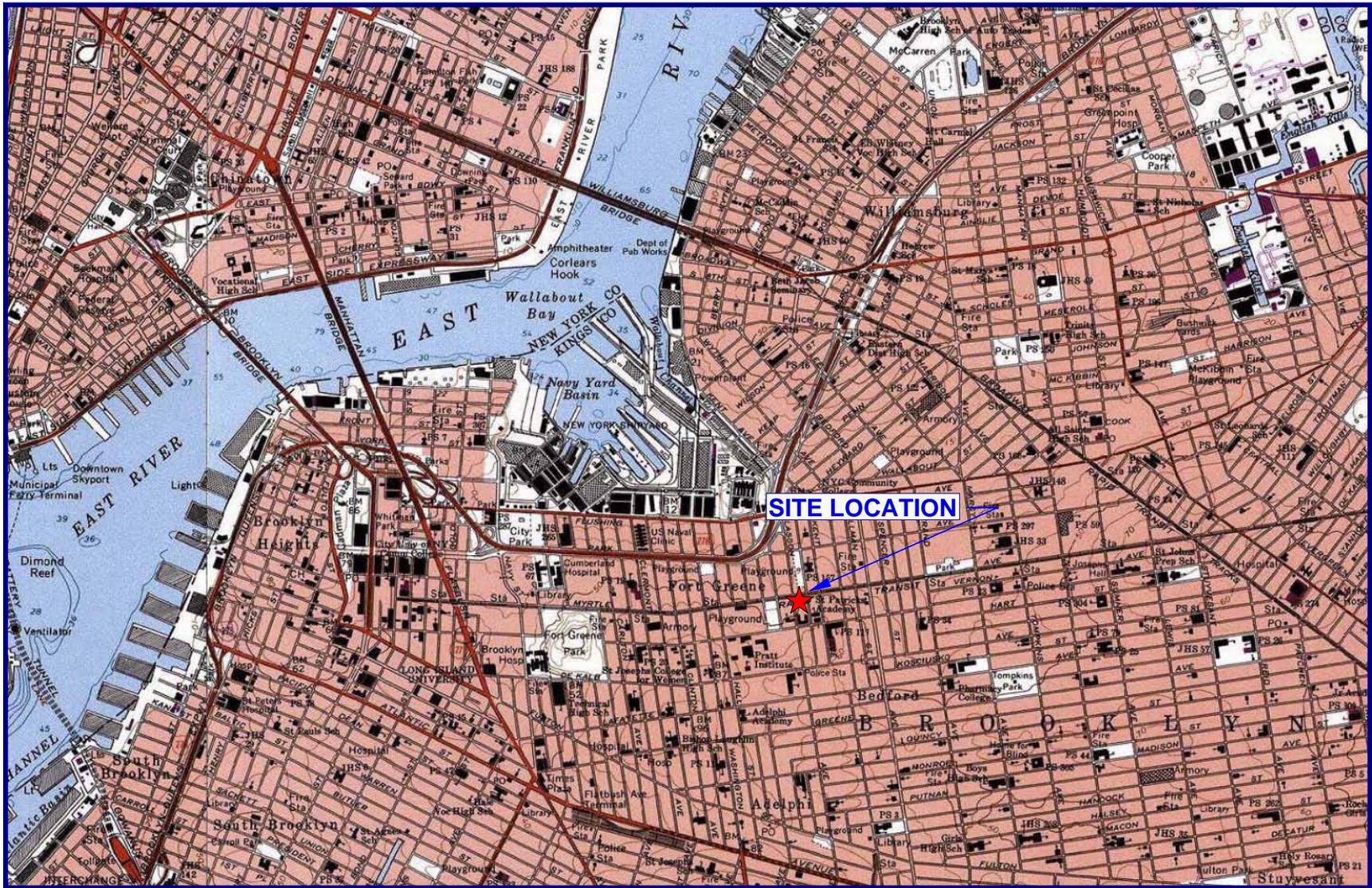
NA No guidance value or standard available

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

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

Value detected above NYSDOH Air Guidance Value of 5 $\mu\text{g}/\text{m}^3$, which according to Soil Vapor/Indoor Air Matrix 1 would require at a minimum, monitoring.

FIGURES



40°43.000' N

40°42.000' N

40°41.000' N

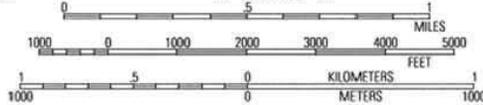
74°00.000' W

73°59.000' W

73°58.000' W

73°57.000' W

WGS84 73°56.000' W



USGS Brooklyn Quadrangle 1995, Contour Interval = 10 feet



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Fax 631.924.2780

**588 MYRTLE AVENUE
BROOKLYN, NY**

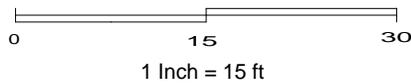
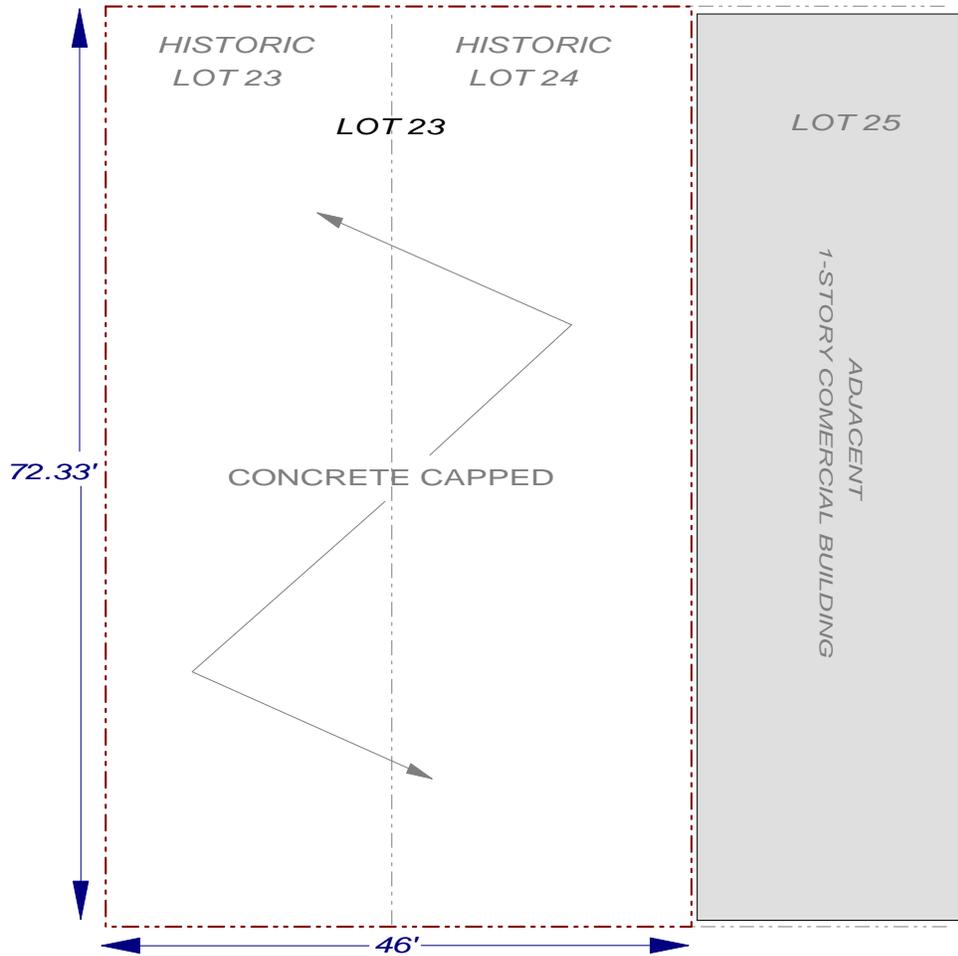
FIGURE 1 SITE LOCATION MAP



MYRTLE AVENUE

CLASSON AVENUE

SIDEWALK



KEY

 Site Boundary



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586-588 MYRTLE AVENUE
BROOKLYN, NY

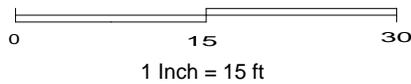
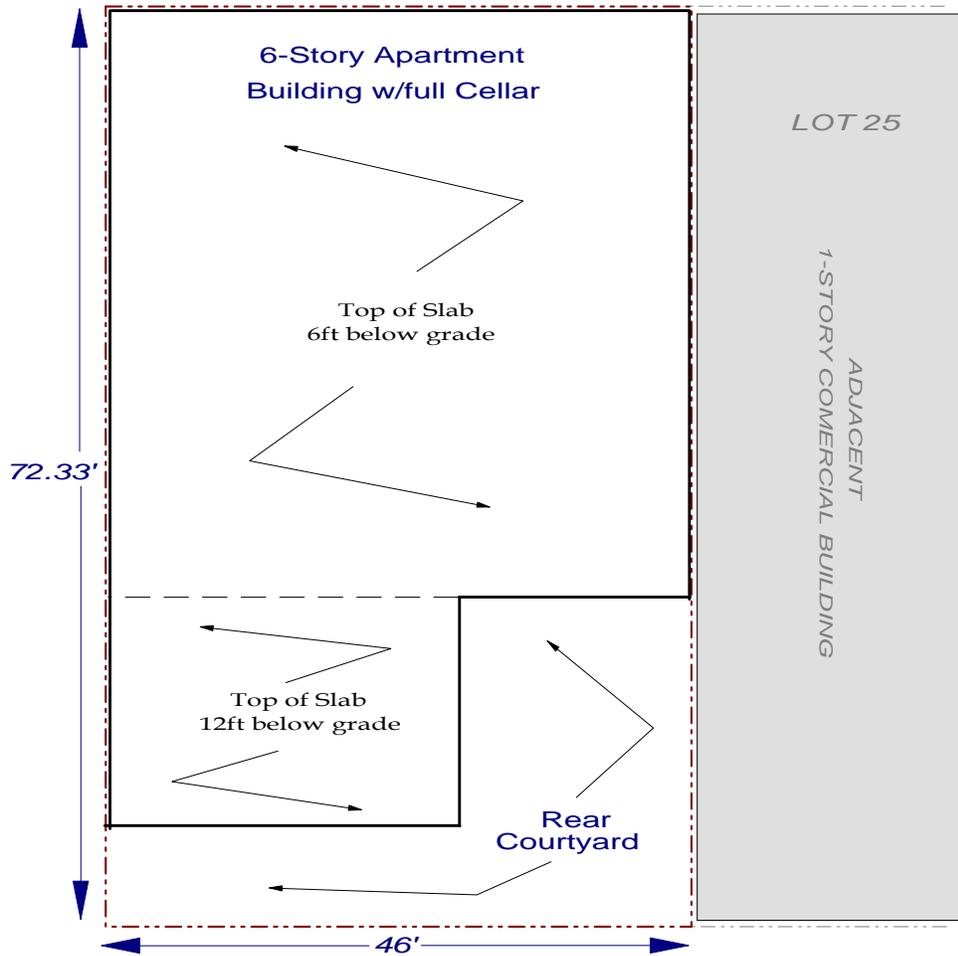
FIGURE 2 SITE BOUNDARY



MYRTLE AVENUE

CLASSON AVENUE

SIDEWALK



KEY

 Site Boundary



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586-588 MYRTLE AVENUE, BROOKLYN, NY

FIGURE 3 REDEVELOPMENT PLAN

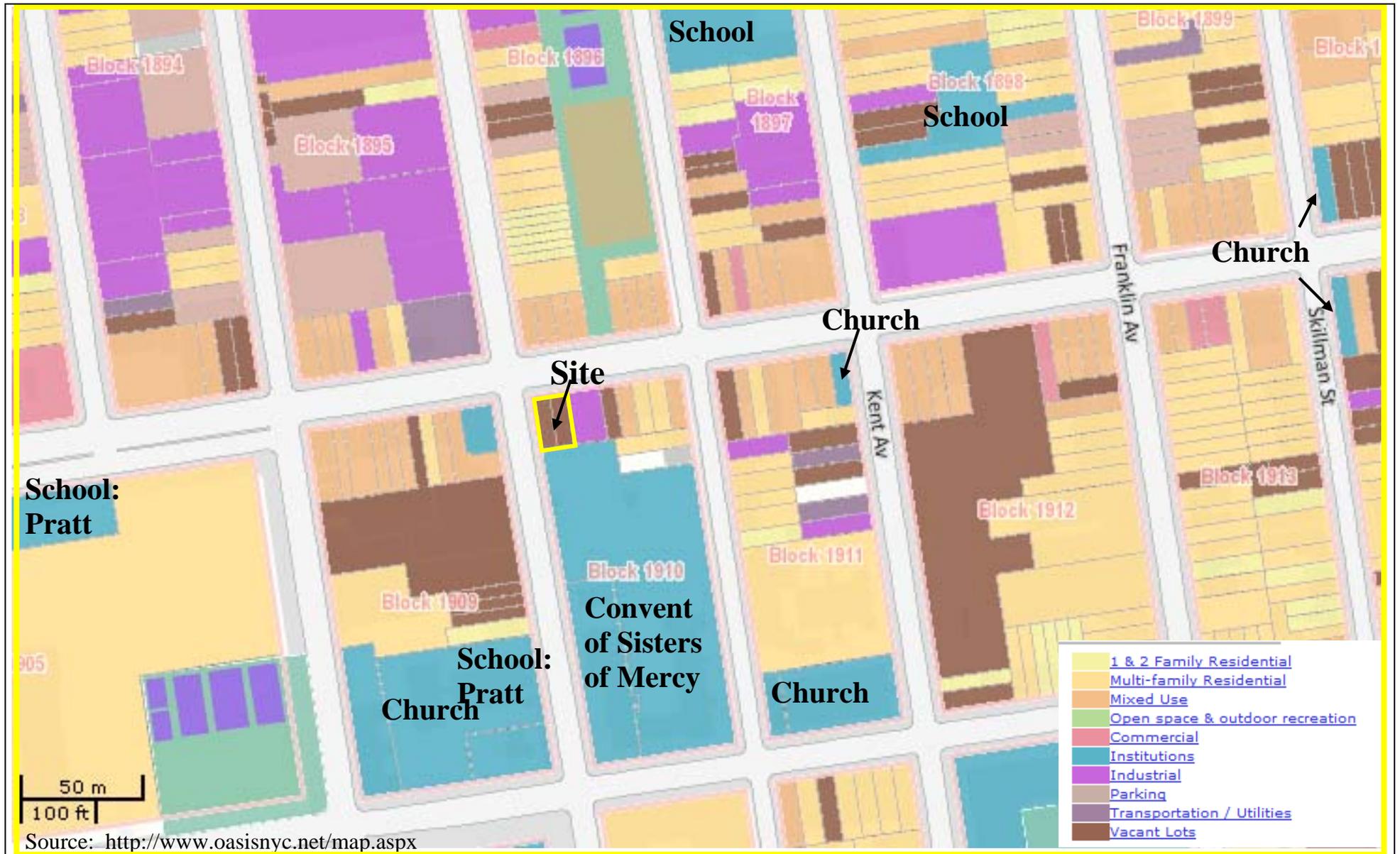


FIGURE 4
SURROUNDING LAND USE MAP

586-588 MYRTLE AVENUE, BROOKLYN NY
 HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT



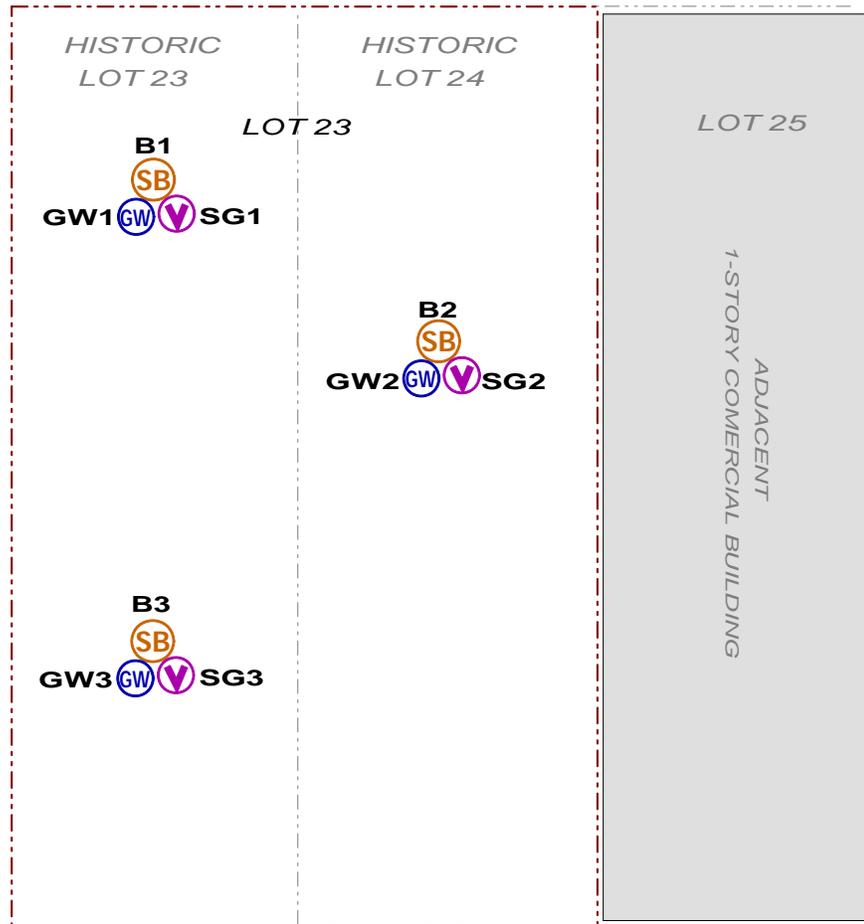
ENVIRONMENTAL BUSINESS CONSULTANTS
 1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
 PHONE: (631) 504-6000 FAX: (631) 924-2870



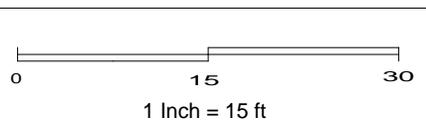
MYRTLE AVENUE

SIDEWALK

CLASSON AVENUE



SCALE:



KEY:

-  Location of Soil Boring
-  Location of Soil Gas Implant
-  Location of Temporary MW
-  Property Boundary



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BROOKLYN, NY

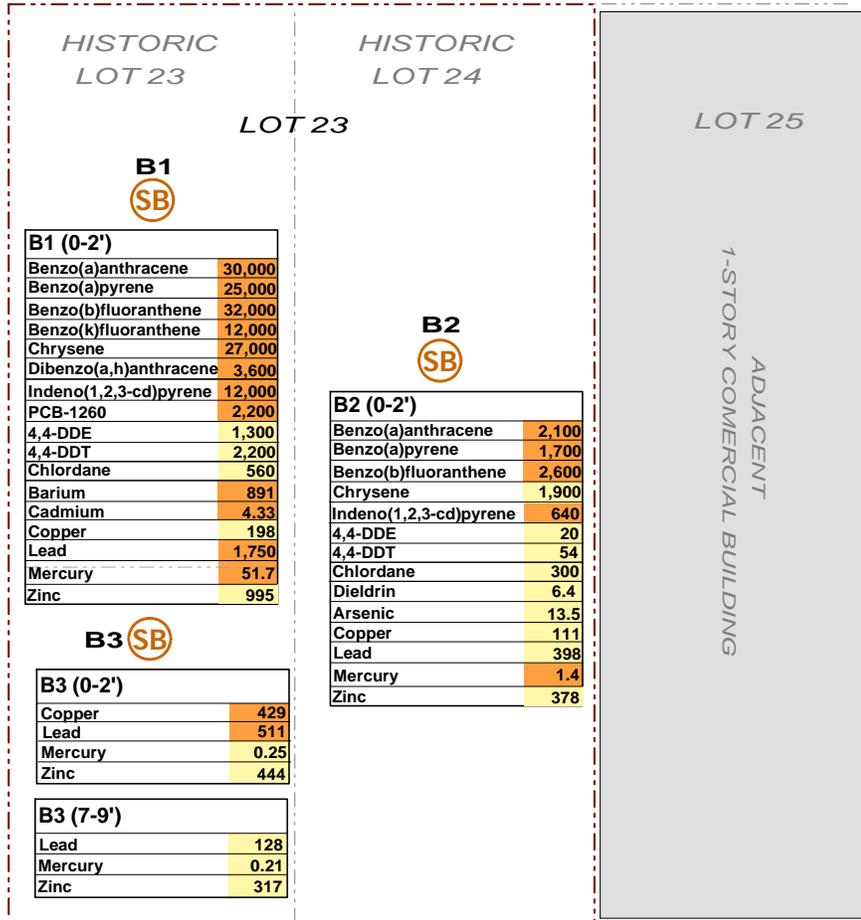
FIGURE 5 SITE PLAN



MYRTLE AVENUE

SIDEWALK

CLASSON AVENUE



HISTORIC LOT 23

HISTORIC LOT 24

LOT 23

LOT 25

B1
SB

B1 (0-2')	
Benzo(a)anthracene	30,000
Benzo(a)pyrene	25,000
Benzo(b)fluoranthene	32,000
Benzo(k)fluoranthene	12,000
Chrysene	27,000
Dibenzo(a,h)anthracene	3,600
Indeno(1,2,3-cd)pyrene	12,000
PCB-1260	2,200
4,4-DDE	1,300
4,4-DDT	2,200
Chlordane	560
Barium	891
Cadmium	4.33
Copper	198
Lead	1,750
Mercury	51.7
Zinc	995

B2
SB

B2 (0-2')	
Benzo(a)anthracene	2,100
Benzo(a)pyrene	1,700
Benzo(b)fluoranthene	2,600
Chrysene	1,900
Indeno(1,2,3-cd)pyrene	640
4,4-DDE	20
4,4-DDT	54
Chlordane	300
Dieldrin	6.4
Arsenic	13.5
Copper	111
Lead	398
Mercury	1.4
Zinc	378

B3
SB

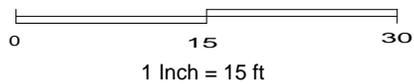
B3 (0-2')	
Copper	429
Lead	511
Mercury	0.25
Zinc	444

B3 (7-9')	
Lead	128
Mercury	0.21
Zinc	317

ADJACENT
1-STORY COMMERCIAL BUILDING

SVOCs/Pesticides	ppb
Metals	ppm

Site Boundary
 Exceedence of Restricted Residential SCO
 Exceedence of Unrestricted Use SCO
 Soil Boring Locations





MYRTLE AVENUE

SIDEWALK

CLASSON AVENUE

PCB-1260	0.14
Manganese	1.22
Sodium	56

GW1

GW2

Manganese	0.485
Sodium	57.1

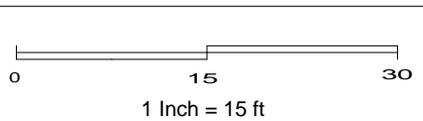
GW3

Manganese	1.42
Sodium	61.4

LOT 25

ADJACENT
1-STORY COMMERCIAL BUILDING

SCALE:



KEY:

- Location of Temporary MW
- Property Boundary

Compound	ppb	Results based on NYS Groundwater Quality Standards
----------	-----	--



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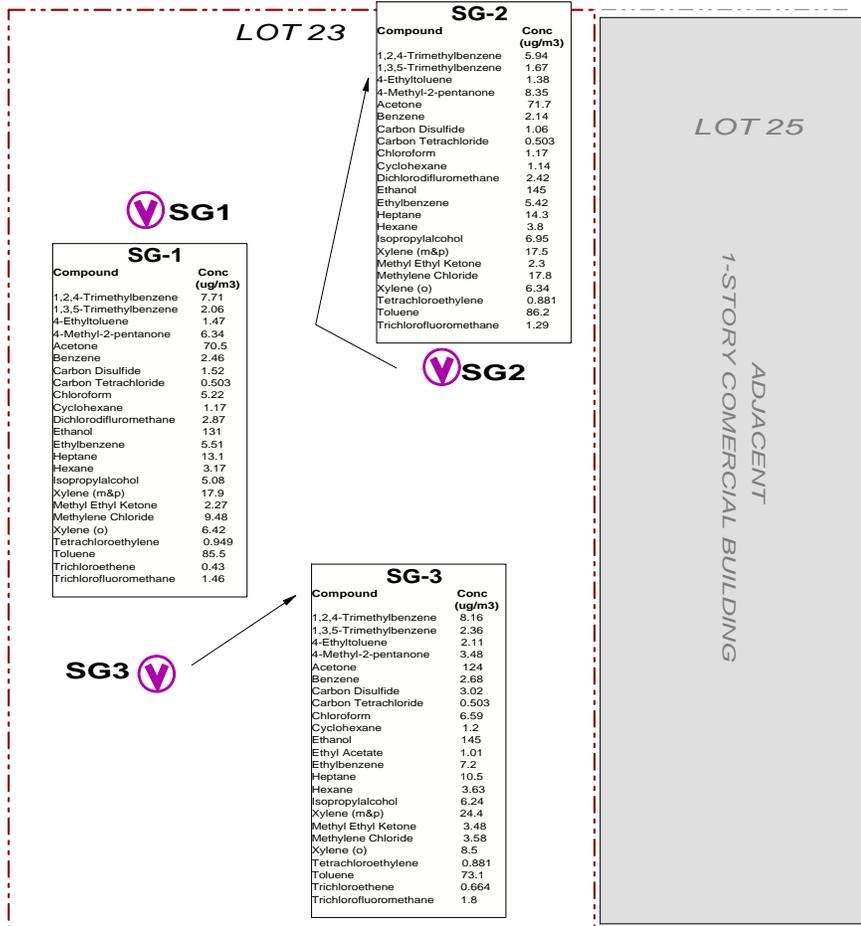
FIGURE 7
GROUNDWATER EXCEEDENCES MAP



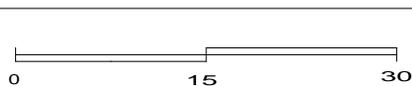
MYRTLE AVENUE

SIDEWALK

CLASSON AVENUE



SCALE:



1 Inch = 15 ft

KEY:

-  Location of Soil Gas Implant
-  Property Boundary

Compound µg/m³



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588 MYRTLE AVENUE
BROOKLYN, NY

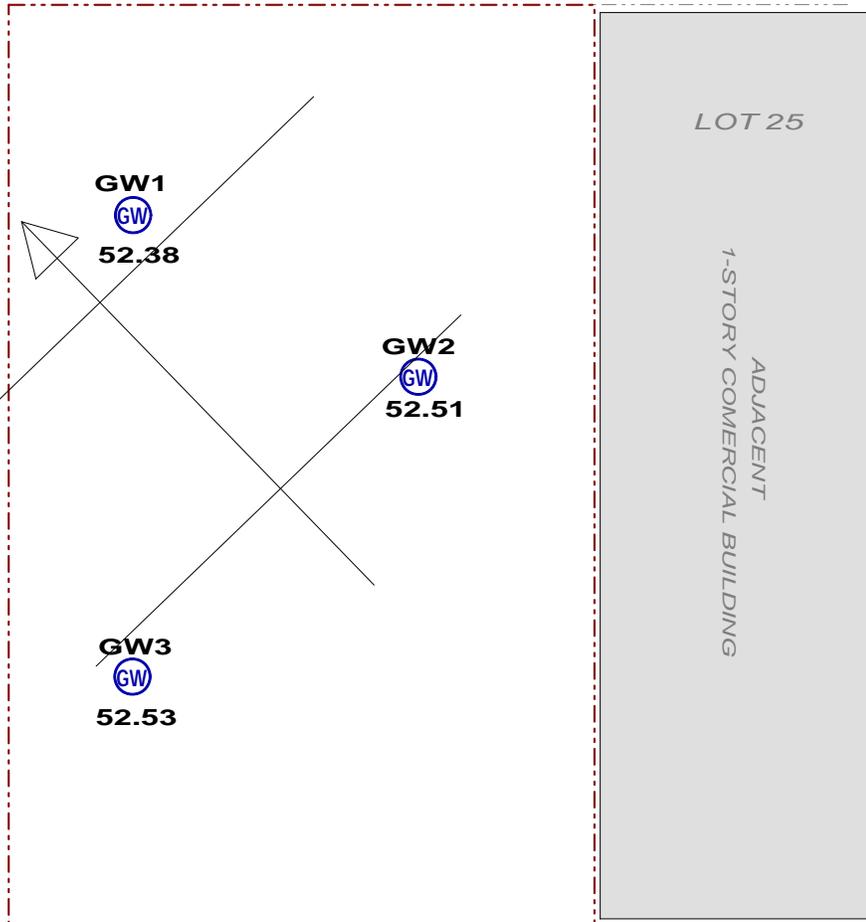
FIGURE 5 SITE PLAN



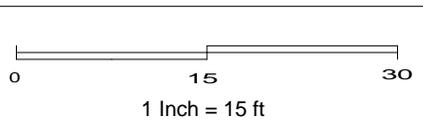
MYRTLE AVENUE

CLASSON AVENUE

SIDEWALK



SCALE:



KEY:

-  Location of Temporary MW
-  Property Boundary

Compound	ppb	Results based on NYS Groundwater Quality Standards
----------	-----	--



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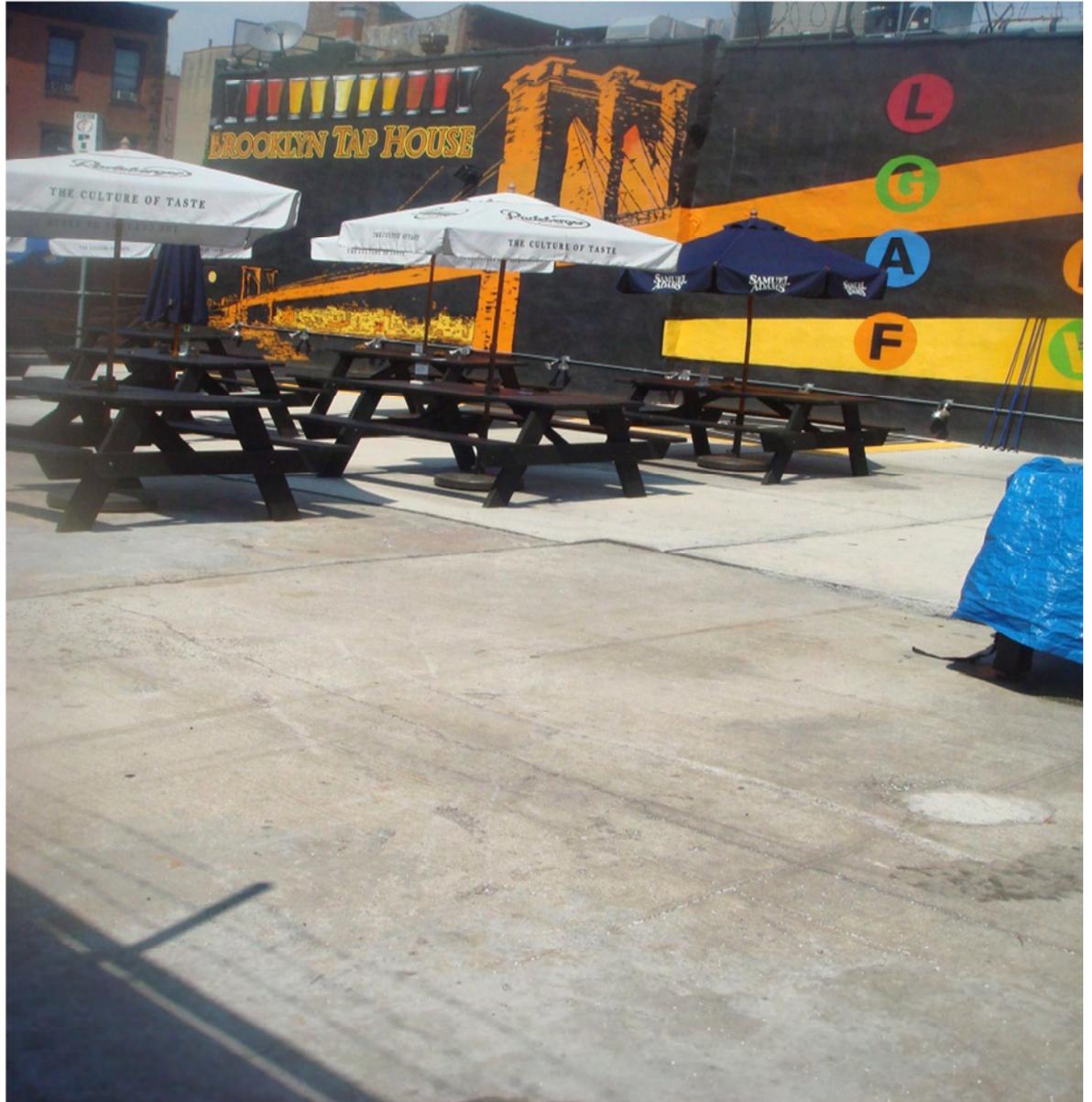
Phone 631.504.6000
Fax 631.924.2780

588 MYRTLE AVENUE, BROOKLYN, NEW YORK

FIGURE 9
GROUNDWATER CONTOUR MAP

APPENDIX A
PHASE I REPORT

PHASE I ENVIRONMENTAL ASSESSMENT



586 & 588 MYRTLE AVENUE

BROOKLYN, NY 11205

PREPARED FOR:

PHASE I ENVIRONMENTAL
SITE ASSESSMENT REPORT
586 & 588 MYRTLE AVENUE
BROOKLYN, NY 11205
DATE ISSUED: JULY 31, 2012

PREPARED BY:
SINGER ENVIRONMENTAL GROUP, LTD.
5318 NEW UTRECHT AVENUE
BROOKLYN, NY 11219

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EXECUTIVE SUMMARY

Scope

Singer Environmental Group (SEG) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations set forth by SEG for the property located at 586 & 588 Myrtle Avenue, Brooklyn, NY (the "Property").

The Phase I Environmental Site Assessment is designed to provide the Client with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the property. This assessment was conducted utilizing generally accepted ESA industry standards in accordance with ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process*.

Site Description

The Property is situated on a rectangular shaped parcel of land comprised of approximately 3,326 (total) Sq. Ft. The parcel of land is situated in a residential/commercial area of Brooklyn consisting of vacant land used for outdoor eating in association with the adjoining restaurant building. This site is not an "E" Designated Site. This site is not located in an "IBZ" Industrial Business Zone.

Site History

According to Sanborn History Maps, the subject property is depicted as stores from the 1900's to the 1930's and vacant, unclear (carpenter?) from the 1940's to the 1990's. The Property Shark Photograph depicts a residential/store building, however no date is indicated.

Asbestos Containing Material (ACM), Lead Based Paint (LBP), Mold

SEG did not conduct an ACM, LBP or mold survey as part of this assessment due to the fact that there is not building on the lot.

Heating System, Above/Underground Storage Tanks

No aboveground storage tank was noted. No vent or fill was noted. No fuel oil applications were filed with the Department of Buildings.

Polychlorinated Biphenyls (PCBs)

SEG did not observe any transformers during this inspection.

Site Observations

This site is a vacant lot, 46'x72' used for outdoor eating in associated with the

adjoining restaurant building. Concrete. SEG observed a steel trap door on the sidewalk. The trap door could not be opened and the purpose of the trap door is unknown.

STATE AND FEDERAL DATABASE SUMMARY TABLE

Regulatory Database	Approximate Minimum Search Distance	Subject Property Listed	Off-site Listings within search distance
Federal NPL (National Priority List) Sites	1.0 Mile	No	0
Federal Delisted NPL Sites	1.0 Mile	No	0
Federal CERCLIS Sites	0.5 Mile	No	0
Federal CERCLIS NFRAP Sites	0.5 Mile	No	2
Federal RCRA CORRACTS Sites	1.0 Mile	No	2
Federal RCRA Non-CORRACTS TSD Sites	0.5 Mile	No	0
Federal RCRA Generators Sites	.250 Mile	No	6
State NY SHWS (State Hazardous Waste) Sites	1.0 Mile	No	2
State Solid Waste Facility/Landfill	0.5 Mile	No	0
NY LTANKS (Leaking Underground Storage Tanks)	0.5 Mile	No	38
NY Underground Storage Tanks	.250 Mile	No	12
NY Spills	.125 Mile	No	11

ASSESSMENT SUMMARY TABLE

Assessment Component	Section(S)	Recommended Actions	Estimated Cost
Historical Review	3.0	No Further Action	N/A
Current Occupants/Operations	2.2	No Further Action	N/A
Hazardous Substances/Petroleum Products	5.3.1	No Further Action	N/A
Drains, Sumps & Storm Water Dry Wells	5.3.5	No Further Action	N/A
Storage Tanks	5.3.6	No Further Action	N/A
PCB's	5.3.3	No Further Action	N/A
Regulatory Agency/Database Review	7.0	No Further Action	N/A
Asbestos Containing Materials	5.3.10	No Further Action	N/A
Lead-Based Paint	5.3.12	No Further Action	N/A
Lead In Drinking Water	5.3.8	No Further Action	N/A
Radon	5.3.11	No Further Action	N/A
Mold	5.3.13	No Further Action	N/A
Wetlands	4.4	No Further Action	N/A

CONCLUSIONS

SEG has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of 586 & 588 Myrtle Avenue, BROOKLYN, NY, the Property. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- No aboveground storage tank was noted. No indication of an underground storage tank was noted. No fuel oil applications were filed with the Department of Buildings. This site is not listed on environmental databases. No historical REC's (Recognized Environmental Conditions) were noted.
- SEG observed a steel trap door on the sidewalk.

RECOMMENDATIONS

Based on the findings of this ESA, SEG recommends the following:

- No further action is recommended.
- The trap door could not be opened and the purpose of the trap door is unknown.

1.0 INTRODUCTION

Singer Environmental Group (SEG) was retained to conduct a Phase I Environmental Site Assessment (ESA) of the property located at 586 & 588 Myrtle Avenue, BROOKLYN, NY 11205 (the Property). The protocol used for this assessment is in general conformance with ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process*.

On July 26, 2012, Shemon Singer, a representative of SEG, conducted a site reconnaissance to assess the possible presence of petroleum products and hazardous materials at the Property. SEG's investigation included review of reconnaissance of adjacent properties, background research, and review of available local, state, and federal regulatory records regarding the presence of petroleum products and/or hazardous materials at the Property.

SEG contracted Environmental Data Resources (EDR) of Southport, Connecticut to perform a computer database search for local, state, and Federal regulatory records pertaining to environmental concerns for the Property and properties in the vicinity of the Property (see Section 7.0).

1.1 PURPOSE

The purposes of this Phase I Environmental Site Assessment ("ESA") are: To identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E-1527-05) in connection with the Property. SEG understands that the findings of this study will be used by the Client to evaluate a pending financial transaction in connection with the Property.

1.2 SCOPE OF SERVICES

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E 1527-05. SEG warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an Environmental Site Assessment of a property for the purpose of identifying recognized environmental conditions.

No other warranties are implied or expressed.

1.3 ASSUMPTIONS

There is a possibility that even with the proper application of these methodologies there may exist on the Property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. SEG believes that the information obtained from the record review and the interviews concerning the site is reliable. However, SEG cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The methodologies of this assessment are not intended to produce all inclusive or comprehensive results, but rather to provide the Client with information relating to the Property.

1.4 LIMITATIONS AND EXCEPTIONS

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM 1527-05.

1.5 USER PROVIDED INFORMATION

Pursuant to ASTM E 1527-2005, the following site information was requested from the Client (User of this report), by SEG.

Item	Provided by User	Not Provided by user	Discussed Below	Does Not Apply
2.1.1 Environmental Pre-Survey Questionnaire		X		
2.1.2 Title Records		X		
2.1.3 Environmental Liens or Activity and Use Limitation		X		
2.1.4 Specialized Knowledge		X		
2.1.5 Valuation Reduction for Environmental Issues		X		
2.1.6 Identification of Key Site Manager		X		
2.1.7 Reason For Performing Phase I	Yes, See Section 1.1			
2.1.8 Prior Environmental Reports		X		
2.1.9 Other		X		

1.6 INTERVIEWS

The property buyer, Chaim was interviewed during the site reconnaissance on July 26, 2012. Chaim did not indicate the presence of any environmental liens or was unaware of any contamination concerns regarding the Subject Property.

Regulatory Officials

A FOIL Request was submitted to the NYS Department of Environmental Conservation (NYS DEC), NYC Department of Health (DOH) and the NYC Department of Environmental Protection (DEP)

1.7 SPECIAL TERMS AND CONDITIONS

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the client. No subsurface exploratory drilling or sampling was done under the scope of this work. Unless specifically stated otherwise in the report, no chemical analyses have been performed during the course of this ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

SEG, their principals and employees are indemnified for any future changes or conditions of deterioration in or on the subject property. Inasmuch as each has made not guarantees of the premises, expressed or implied in connection with this report, any liability which each may have shall be limited to the fee for the inspection of the property.

1.8 USE RELIANCE

SEG, in evaluating a request for an extension of credit (the “Mortgage Loan”) to be secured by the property may rely upon this report. This information also may be used by any actual or prospective purchaser, transferee, assignee, or servicer of the Mortgage Loan, any actual or prospective investor (including agent or advisor) in any securities evidencing a beneficial interest in or backed by the Mortgage Loan, any rating agency actually or prospectively rating any such securities, any indenture trustee, and any institutional provider(s) from time to time of any liquidity facility or credit support for such financing. In addition, this report or a reference to this report, may be included or quoted in any offering circular, registration statement, or prospectus in connection with a securitization or transaction involving the Mortgage Loan and/or such securities. This report has no other purpose and should not be relied upon by any other person or entity.

2.0 SITE DESCRIPTION

2.1 PROPERTY LOCATION AND JURISDICTION

The address of the Property is 586 & 588 Myrtle Avenue, BROOKLYN, NY. The Property is located in a residential/commercial area of BROOKLYN. According to the NYC Department of Buildings, the block and lot numbers are 1910, 23, 24. The legal description is reproduced below:

Parcel 1:

According to the NYC Department of Buildings (DOB), this property is known as 586 & 588 Myrtle Avenue with a block and lot of 1910, 23, 24. The DOB has a zoning of “Vacant Land” building use. According to NYC Oasis Information, the zoning is R6. NYC Oasis records a lot area of 3,326 (total) sq. ft., lot frontage 48 feet, lot depth 72 feet. This property is located on Myrtle Avenue with cross streets of Classon Avenue and Taaffe Place.

According to NYC Oasis Information, the Property is currently owned by Fleurant Guy.

2.2 PROPERTY DESCRIPTION AND IMPROVEMENTS

The Property consists of a rectangle parcel approximately 3,326 (total) ft. in size. The Property is utilized as vacant land purposes for outdoor eating in association with the adjoining restaurant building.

3.0 HISTORICAL USE INFORMATION

3.1 SANBORN HISTORY MAPS, CERTIFICATE OF OCCUPANCY

According to Sanborn History Maps, the subject property is depicted as stores from the 1900's to the 1930's and vacant, unclear (carpenter?) from the 1940's to the 1990's. The Property Shark Photograph depicts a residential/store building, however no date is indicated.

4.0 ENVIRONMENTAL SETTING

4.1 TOPOGRAPHY

The United States Geological Survey (USGS), Brooklyn Quadrangle 7.5-Minute series topographic map was reviewed for this ESA. This map was published by the USGS in 1966 and was photorevised in 1995. A review of the USGS 7.5 Minute Topography map was conducted. Based on the topographical gradients, the groundwater flow is assumed to be in a northwesterly direction.

4.2 SOILS

Soil types in the area are generally loamy sand, silt loam, sandy loam and fine sandy loam.

4.3 GEOLOGY

There are no predominant geological surface features on the subject property. The elevation of the property is 43 feet above sea level.

4.4 HYDROLOGY

The nearest surface water in the vicinity of the Property is the Wallabout Basin. No settling ponds, lagoons, surface impoundments, wetlands or natural catchbasins were observed at the Property during this investigation.

4.5 FLOOD ZONE INFORMATION

A review of the Flood Insurance Rate Maps, published by the Federal Emergency Management Agency, was performed. The Property is located in Flood Zone X. Zone X are the flood insurance rate zones that correspond to areas outside the 1-percent annual chance floodplain, areas of 1-percent annual chance sheet flow flooding where average depths are less than 1 foot, areas of 1-percent annual chance stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 1-percent annual chance flood by levees. No Base Flood Elevations or depths are shown within this zone. Insurance purchase is not required in these zones.

4.6 OIL AND GAS EXPLORATION

The on-site reconnaissance addressed oil and gas exploration at the Property. According to the NYS Department of Conservation, Division of Oil, Gas no operating or abandoned oil or gas wells are on or adjacent to the Property.

5.0 SITE RECONNAISSANCE

5.1 METHODOLOGY AND LIMITING CONDITIONS

The Property was inspected by Shemon Singer on July 26, 2012. The weather at the time of the site visit was hazy, 88 degrees. SEG accessed the vacant lot.

5.2 GENERAL SITE CHARACTERISTICS

5.2.1 SOLID WASTE DISPOSAL

No solid waste is generated at this site.

5.2.2 SURFACE WATER DRAINAGE

There are no surface water bodies or streams on the subject property.

5.2.3 WELLS AND CISTERNS

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

5.2.4 WASTEWATER

No indications of industrial wastewater disposal or treatment facilities were observed during the onsite reconnaissance.

5.2.5 ADDITIONAL SITE OBSERVATIONS

No additional relevant general Site characteristics were observed.

5.3 POTENTIAL ENVIRONMENTAL CONDITIONS

5.3.1 HAZARDOUS MATERIALS AND PETROLEUM PRODUCTS USED OR STORED AT THE SITE

No evidence of the use of hazardous materials or wastes was observed on the Property.

5.3.1.1 UNLABELED CONTAINERS AND DRUMS

No unlabeled containers or drums were observed during the Site reconnaissance.

5.3.1.2 DISPOSAL LOCATIONS OF REGULATED/ HAZARDOUS WASTE

No obvious indications of hazardous waste generator, storage or disposal were observed on the property or were indicated during interview.

5.3.2 EVIDENCE OF RELEASES

No obvious indications of hazardous material or petroleum product releases, such as stained areas or stressed vegetation, was observed during the site reconnaissance or reported during interviews.

5.3.3 POLYCHLORINATED BIPHENYLS (PCBS)

An inspection was conducted at the subject property and in the immediate vicinity for the presence of any underground, surface or suspended transformers and visible power supply sources. Oil-containing transformers are known to frequently contain PCBs (Polychlorinated biphenyl's). PCBs are contained in older transformers and other electrical equipment and have the potential for serious health risks. The level of PCB content in such transformers and electrical equipment is regulated by the U.S. Environmental Protection Agency, Regulations 40 CFR Part 761. Upon visual inspection, **NO** suspended transformers power supply sources were identified. Contact with Con Edison has nevertheless been made to determine definitely if any equipment owned and/or maintained by Con Edison located on or in the immediate vicinity of the subject property contain PCB's.

Older transformers and other electrical equipment could contain polychlorinated biphenyls (PCBs) at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified:

- Less than 50 parts per million (PPM) of PCBs – *“Non-PCB” transformer*
- 50 ppm-500 ppm – *“PCB-Contaminated” electrical equipment*
- Greater than 500 ppm – *“PCB” transformer*

5.3.4 LANDFILLS

No evidence of on-site landfilling was observed or reported during the site reconnaissance.

5.3.5 PITS, PONDS, LAGOONS, SUMPS, AND CATCH BASINS

No evidence of on-site pits, ponds or lagoons was observed or reported during the site reconnaissance. No evidence of sumps or catch basins, other than used for storm water removal, was observed or reported during the site reconnaissance.

5.3.6 ON-SITE ASTS AND USTS

No aboveground storage tank was noted. No vent or fill was noted. No fuel oil applications were filed with the Department of Buildings.

5.3.7 RADIOLOGICAL HAZARDS

No radiological substances or equipment was observed or reported stored on the Property.

5.3.8 LEAD IN DRINKING WATER

The Property is connected to the city water supply provided by NYC DEP. According to NYC DEP representative, the drinking water supplied to the site is within EPA standards, including lead and copper. Drinking water is not currently utilized at the site.

5.3.9 ASBESTOS-CONTAINING MATERIALS (ACM)

As part of the asbestos section of this survey, an inspection of all the aforementioned areas were conducted: Construction materials on the exterior and interior of the building were also inspected for possible asbestos content. Within each of these rooms/areas/facilities, piping insulation (e.g. on hot and cold water supply piping), if any, was checked at exposed locations for possible asbestos content.

ACM was not surveyed for this report due to the fact that there is no building on the lot.

5.3.10 RADON

The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, Zone 1 being those areas with the average predicted indoor radon concentration in residential dwellings exceeding the EPA Action limit of 4.0 picoCuries per Liter (pCi/L). It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the EPA recommends site specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures. Review of the EPA Map of Radon Zones places the Property in Zone 3, where average predicted radon levels are less than 2.0 pCi/L.

This property is

5.3.11 LEAD-BASED PAINT

Based on the Scope of Services, LBP was not evaluated for this assessment.

Paint samples were **NOT** taken for lead content. However, in older buildings it is likely that lead based paint was used within the multi-layered painted surfaces. (Lead based paint was banned in 1978). Lead paint can be hazardous if digested, especially by small children.

Lead was not surveyed for this report due to the fact that there is not building on the lot.

5.3.12 MOLD

On October 29, 1993, the New York City Department of Health (DOH), the New York City Human Resources Administration (HRA), and the Mt. Sinai Occupational Health Clinic convened an expert panel on *Stachybotrys atra* in Indoor Environments. The purpose of the panel was to develop policies for medical and environmental evaluation and intervention to address *Stachybotrys atra* (now known as *Stachybotrys Chartarum* (SC)) contamination. the original guidelines were developed because of mold growth problems in several New York City buildings in the early 1990's. This documents revises and expands the original guidelines to include all fungi (mold).

Currently there are no United States Federal, New York State, or New York City regulations for evaluating potential health effects of fungal contamination and remediation. These guidelines are subject to change as more information regarding fungal contaminants becomes available.

Mold was not surveyed for this report due to the fact that there is no building on the lot.

6.0 CURRENT USE OF ADJOINING PROPERTIES

During the vicinity reconnaissance, SEG observed the following land use on properties in the immediate vicinity of the Property.

6.1 CURRENT USE

Current Use	
North	Areas immediately adjacent to the north of the property included the following: Residential/Stores
South	Areas immediately adjacent to the south of the property included the following: Park (Part of Church)
West	Areas immediately adjacent to the west of the property included the following: Residential/Stores
East	Areas immediately adjacent to the east of the property included the following: Bar/Restaurant

6.2 HISTORICAL USE

Historical Use	
North	The property located to the north is not depicted on the Sanborn History Maps.
South	According to Sanborn History Maps, the property located to the south is depicted as convent from the 1900's to the 1990's.
West	The property located to the west is not depicted on the Sanborn History Maps.
East	According to Sanborn History Maps, the property located to the east is depicted as stores from the 1900's to the 1910's, unclear writing in the 1930's, private garage from the 1940's to the 1950's, Flat (Loft) in 1965, warehouse from the 1970's to the 1990's.

7.0 RECORDS REVIEW

7.1 STANDARD ENVIRONMENTAL RECORD SOURCES

7.1.1 STATE AND FEDERAL REGULATORY REVIEW

Information from standard Federal and state environmental record sources was provided through Environmental Data Resources (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. The accuracy of the geocoded locations is approximately +/-300 feet.

In some cases, location information supplied by the database provider is insufficient to allow geocoded facility locations. These facilities are listed under the unmappable section within the EDR report. A review of the unmappable facilities indicated that none of these facilities are within the ASTM minimum search distance from the Property.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Property, was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Property from the listed facilities. Please refer to Appendix C-1 for a complete listing.

Federal NPL

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

No NPL sites are located within one mile of the Property.

Federal CERCLIS List

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

No CERCLIS sites are listed within one-half mile of the Property.

Federal CERCLIS NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of to human health or the environment, under the CERCLA framework.

2 CERCLIS NFRAP sites are listed within ½ mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

Federal Resource Conservation and Recovery Act (RCRA) CORRACTS TSD Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Treatment, Storage and Disposal (TSD) database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

2 RCRA CORRACTS TSD facilities are listed within one mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

Federal Resource Conservation and Recovery Act (RCRA) Non-CORRACTS TSD Facilities

List

The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

No RCRA TSD sites are listed within one-half mile of the Property.

Federal RCRA Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

3 Lg. and 3 Sm. RCRA Generator facilities are listed within ¼ mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported release of oil or hazardous substances.

No ERNS sites were listed on the Property or on the adjacent properties.

State Priority List

The database maintains a State Priority List (SPL) of sites considered to be actually or potentially contaminated and presenting a possible threat to human health and the environment.

No SPL sites are listed within one mile of the Property.

State CERCLIS-Equivalent List

The database maintains a State CERCLIS-equivalent list (SCL) of sites under investigation that could be actually or potentially contaminated and presenting a possible threat to human health and the environment.

No SCL sites are listed within one-half mile of the Property.

Solid Waste/Landfill Facilities (SWLF)

A database of SWLF is listed.

No SWLF facilities are listed within one-half mile of the Property.

State Leaking Underground Storage Tank List (LUST)

The NYS DEC compiles lists of all leaks of hazardous substances from underground storage tanks.

38 LUST sites are listed within one-half mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

State Underground Storage Tank List (UST)

The NYS DEC compiles lists of all underground storage tanks located ¼ mile of the subject property.

12 UST sites are listed within one-quarter mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

NY Spills Database

The NYS DEC compiles lists of all spills reported ¼ mile of the subject property.

11 sites are listed within one-quarter mile of the Property.

- Based upon the review of available information, the above listed facilities are not anticipated to directly impact the Property and no further investigation is warranted.

7.1.2 LOCAL REGULATORY REVIEW

7.1.2.1 BUILDING DEPARTMENT

Electronic records from the city Building Department were reviewed for evidence indicating the developmental history of the Property, and for the presence of documentation relative to underground storage tanks.

7.1.2.2 OTHER AGENCIES

FOIL Requests were submitted to the NYS DEC, NYC DEP and NYC DOH, to date no response has been received, when a response is received an addendum will follow.

8.0 FINDINGS AND CONCLUSIONS

8.1 FINDINGS

8.1.1 ON-SITE ENVIRONMENTAL CONDITIONS

No onsite environmental conditions were identified that were considered likely to impact the Property.

8.1.3 OFF-SITE ENVIRONMENTAL CONDITIONS

No offsite environmental conditions were identified that were considered likely to impact the Property.

No off-site concerns were identified during the site reconnaissance or regulatory review.

8.1.3 PREVIOUSLY RESOLVED ENVIRONMENTAL CONDITIONS

No historical recognized environmental conditions were identified in connection with the Property during the course of this assessment.

8.1.4 *DE MINIMIS* ENVIRONMENTAL CONDITIONS

No *de minimis* environmental conditions were identified in connection with the Property during the course of this assessment.

8.2 CONCLUSIONS

SEG has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-2005 of 586 & 588 Myrtle Avenue, BROOKLYN, NY, the Property. Any exceptions to or deletions from this practice are described in Section 1.4 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Property except for the following:

- No aboveground storage tank was noted. No indication of an underground storage tank was noted. No fuel oil applications were filed with the Department of Buildings. This site is not listed on environmental databases. No historical REC's (Recognized Environmental Conditions) were noted.
- SEG observed a steel trap door on the sidewalk.

8.3 RECOMMENDATIONS

Based on the findings of this ESA, SEG recommends the following:

- No further action is recommended.
- The trap door could not be opened and the purpose of the trap door is unknown.

8.4 DEVIATIONS

This Phase 1 ESA substantially complies with the scope of services and ASTM 1527-05.

9.0 REFERENCES

Reports, Plans, and Other Documents Reviewed:

NYC Department of Buildings Property Profile Overview (07-27-12)

NYC Department of Finance Assessment Roll (07-27-12)

NYC Oasis Maps (07-27-12)

Property Shark (07-27-12)

Radon Map

USGS - 7.5 Minute Topographic Quadrangle of Central Park, New York-New Jersey, 1966, photorevised 1995.

Radius database report (586 & 588 Myrtle Avenue, Inquiry #3376053.7s dated 07-26-12)

Radon Zone Map

Agencies Contacted via FOIL Requests:

NYS DEC

NYC DEP

NYS DOH

10.0 CERTIFICATION

**Phase I Environmental Site Assessment
Conducted on**

Address: 586 & 588 Myrtle Avenue, New York, NY

Prepared for

Client Name:

Location:

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

Shemon Singer

Environmental Professional

Signature

Prepared By

**Singer Environmental Group, LTD.
5318 New Utrecht Avenue
Brooklyn, NY 11219
(tel) 718-437-9600
(fax) 718-437-0082**

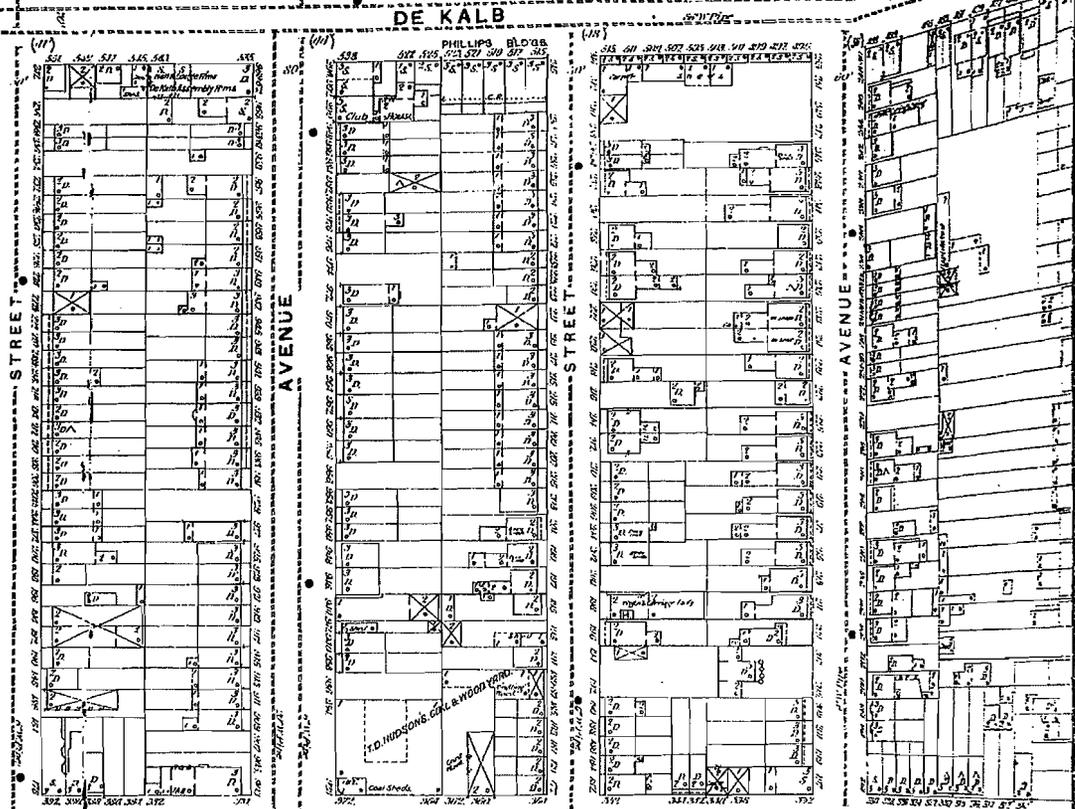
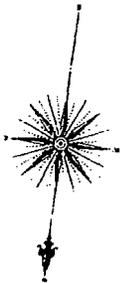


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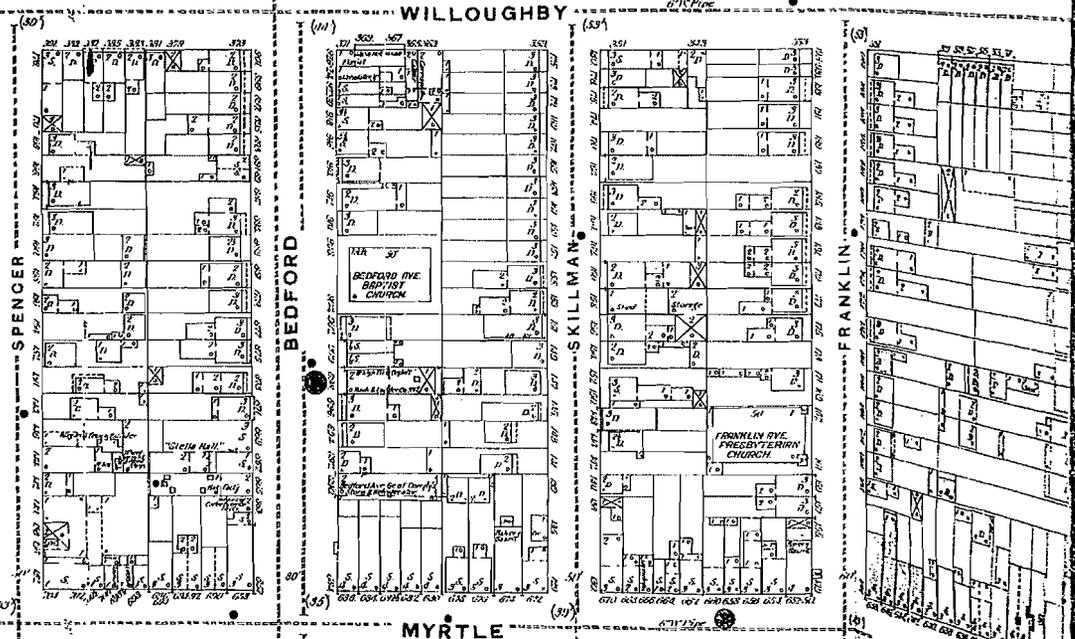
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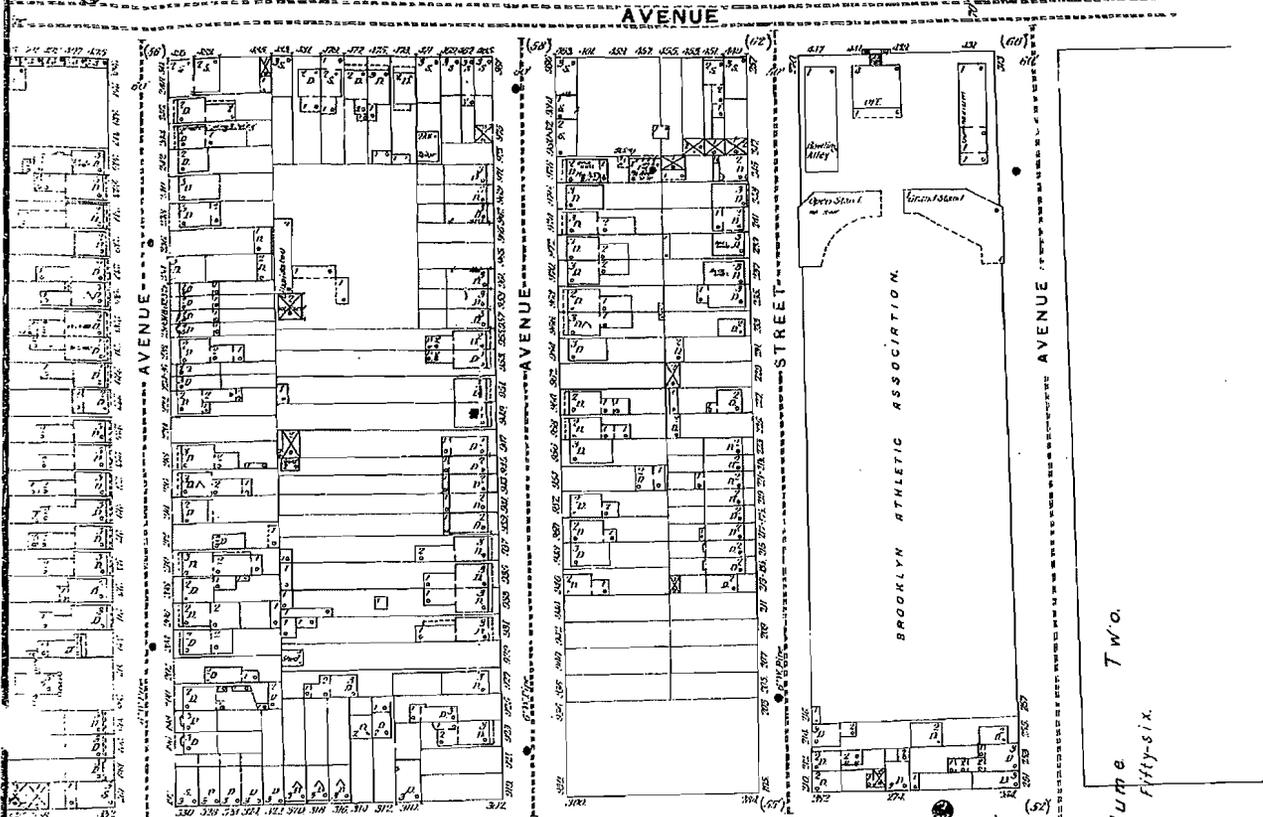
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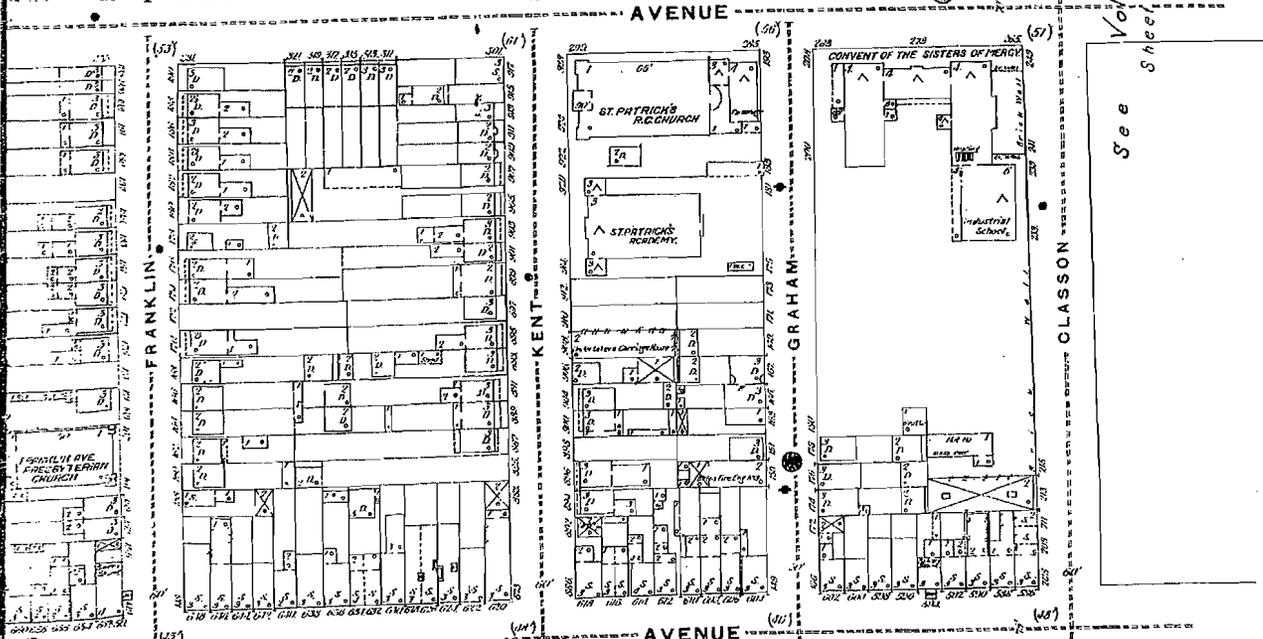
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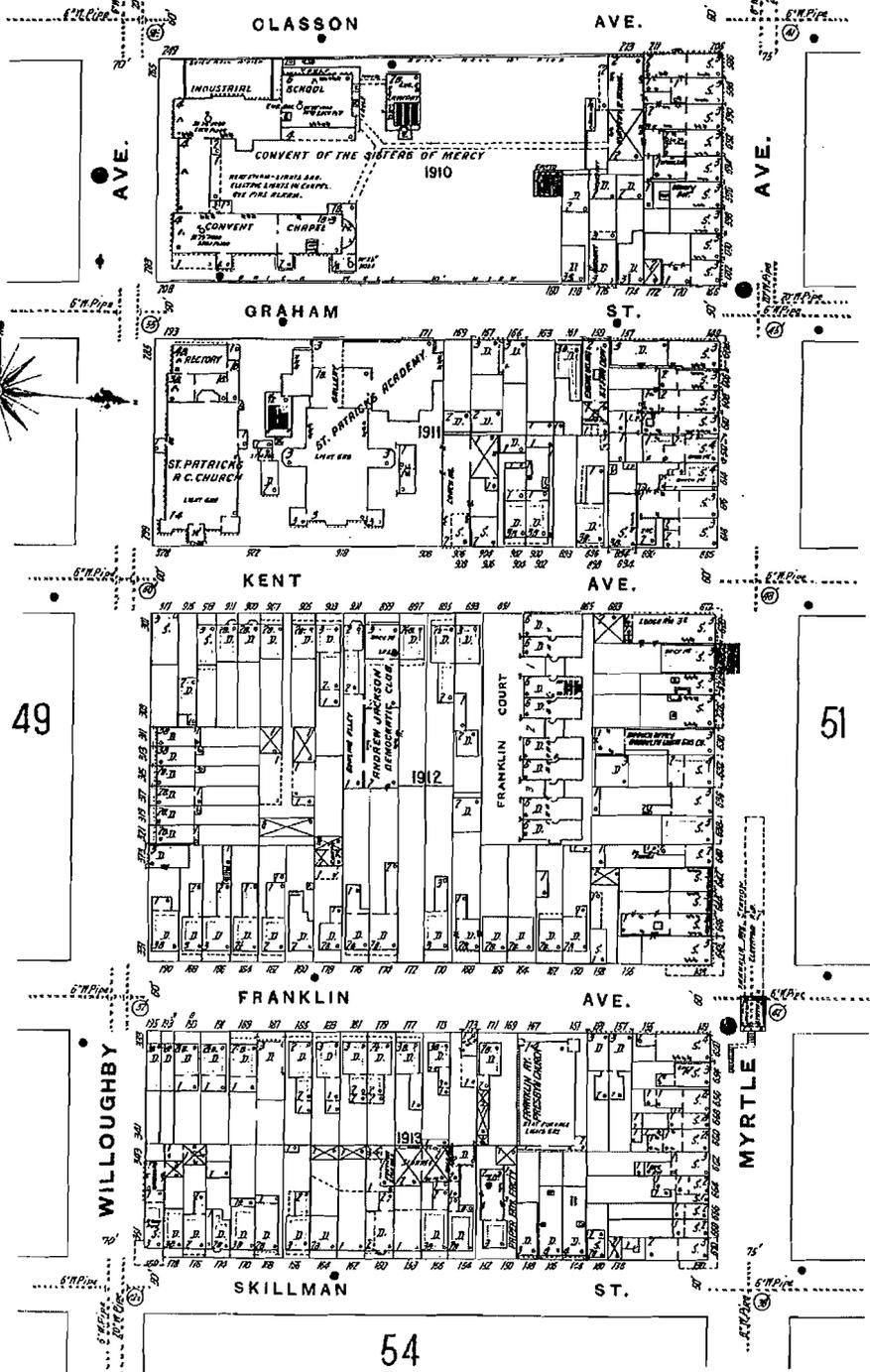
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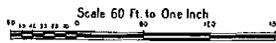
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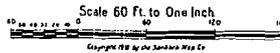
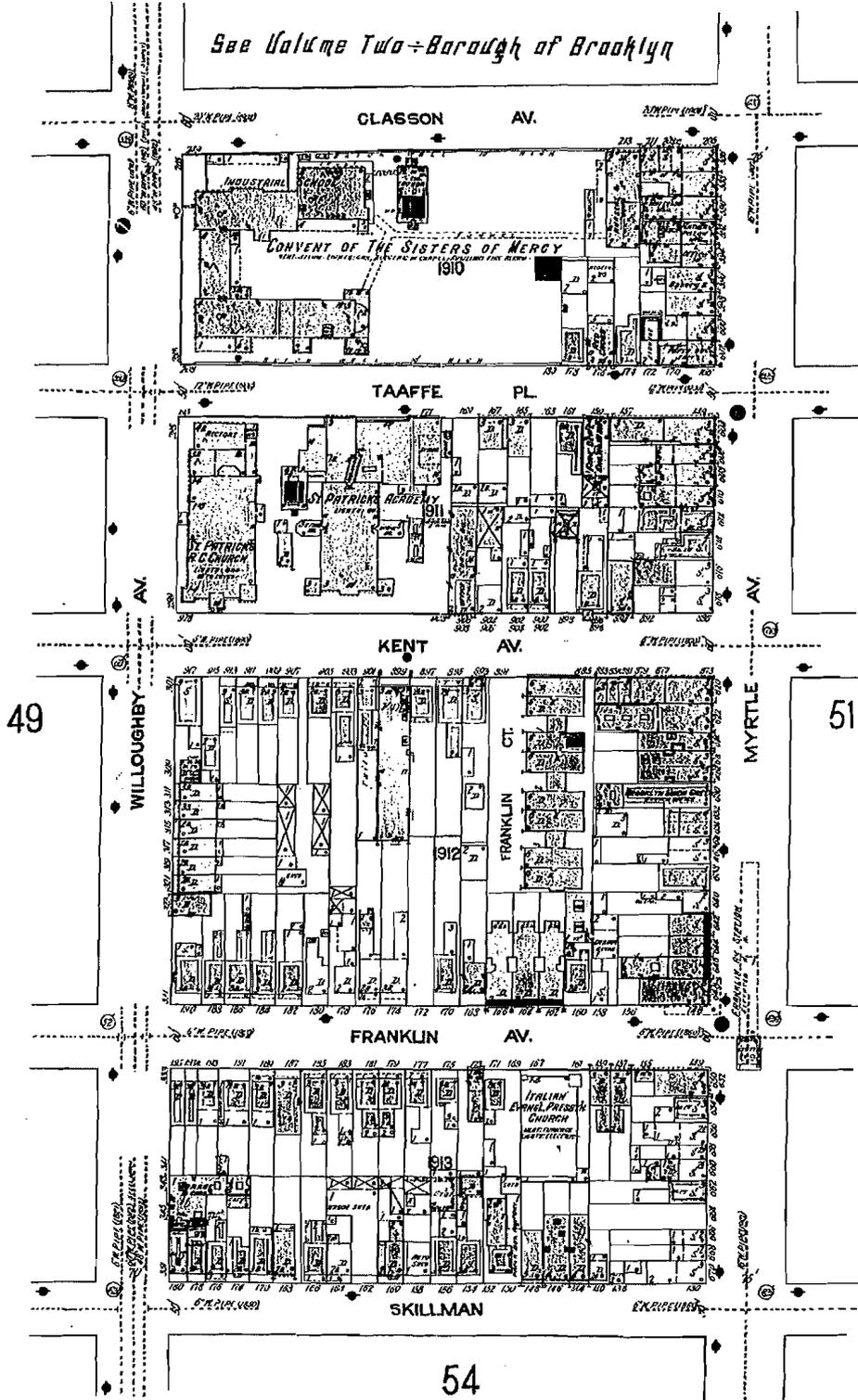


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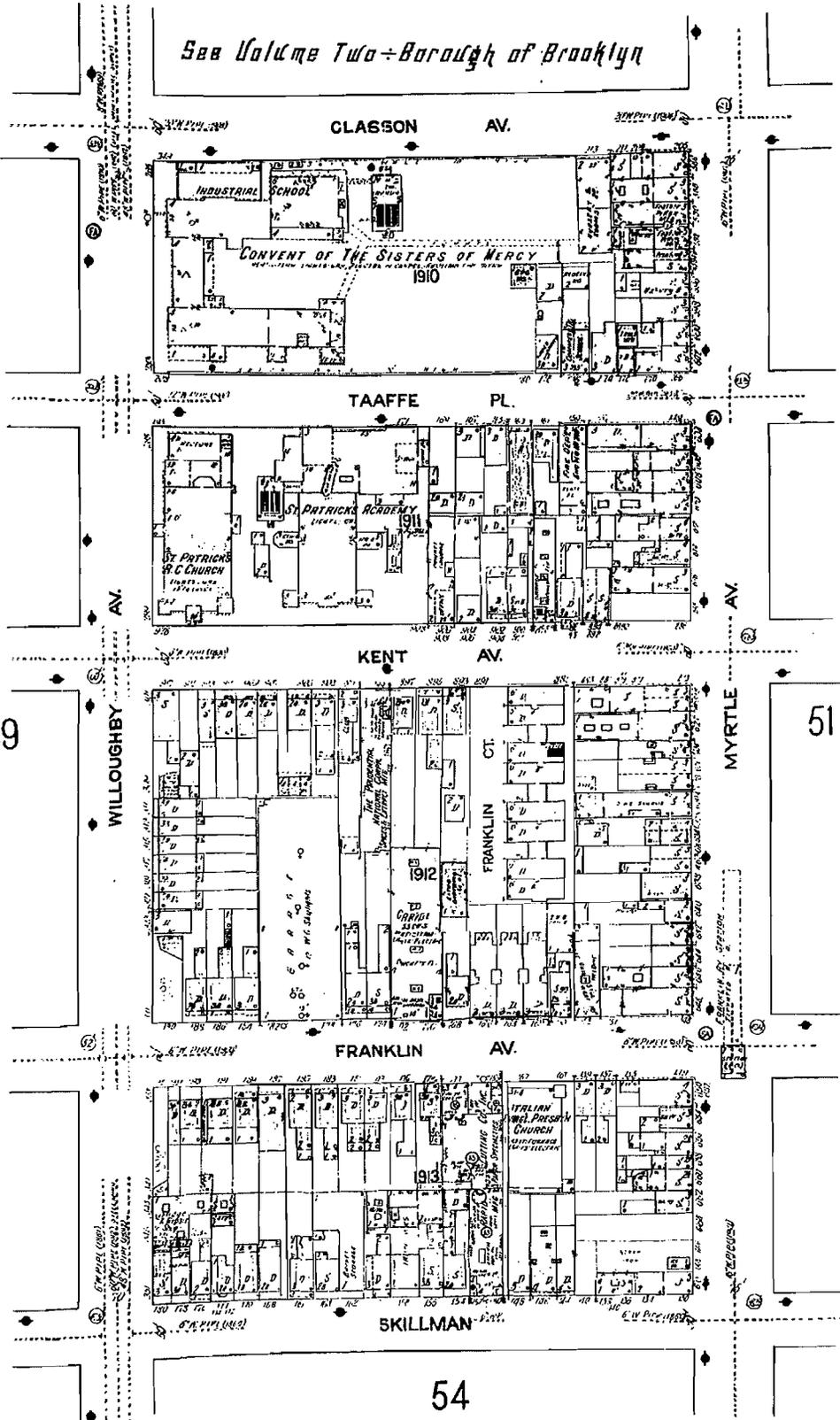


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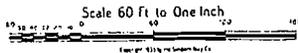
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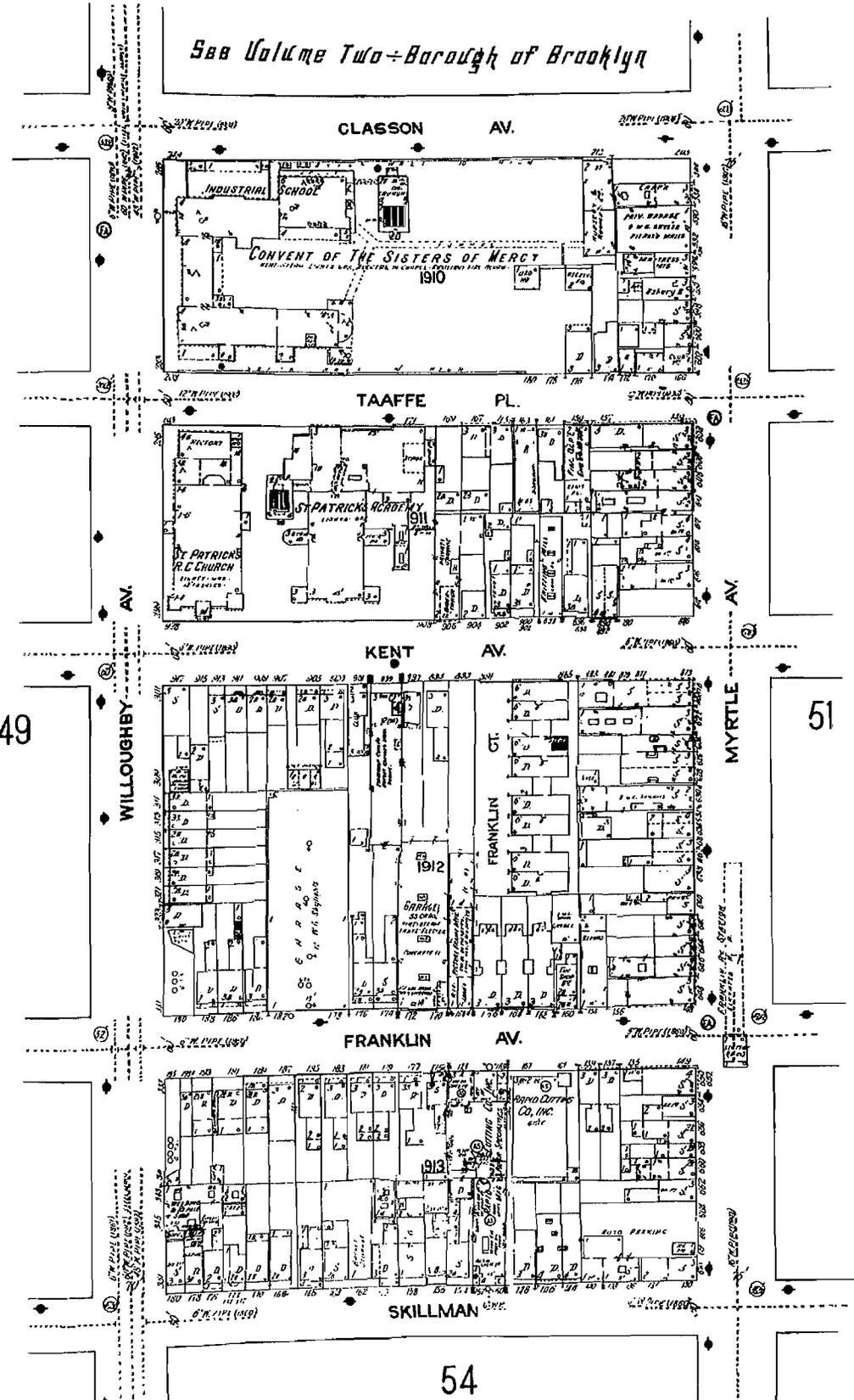
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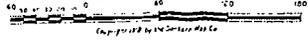
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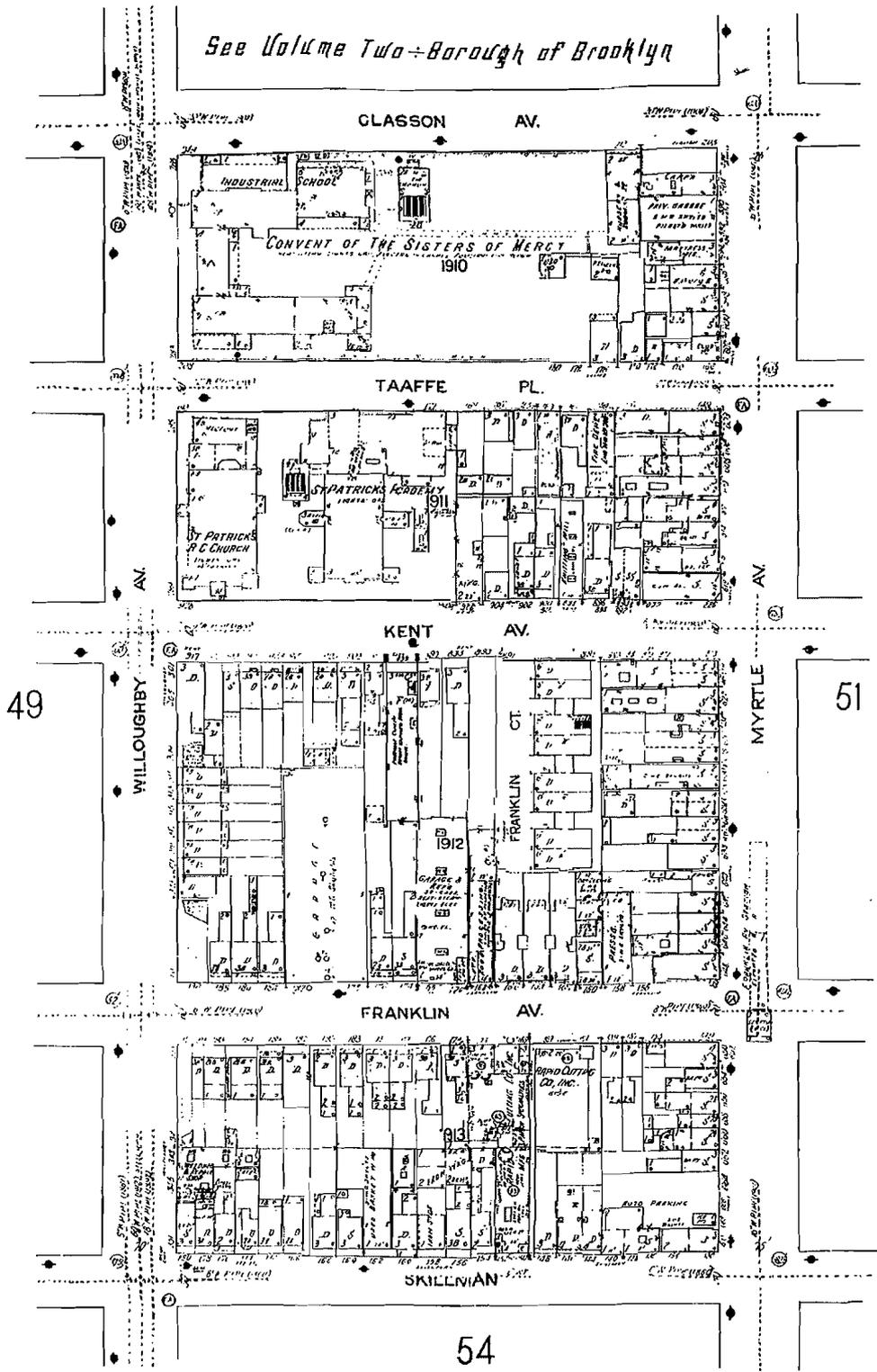
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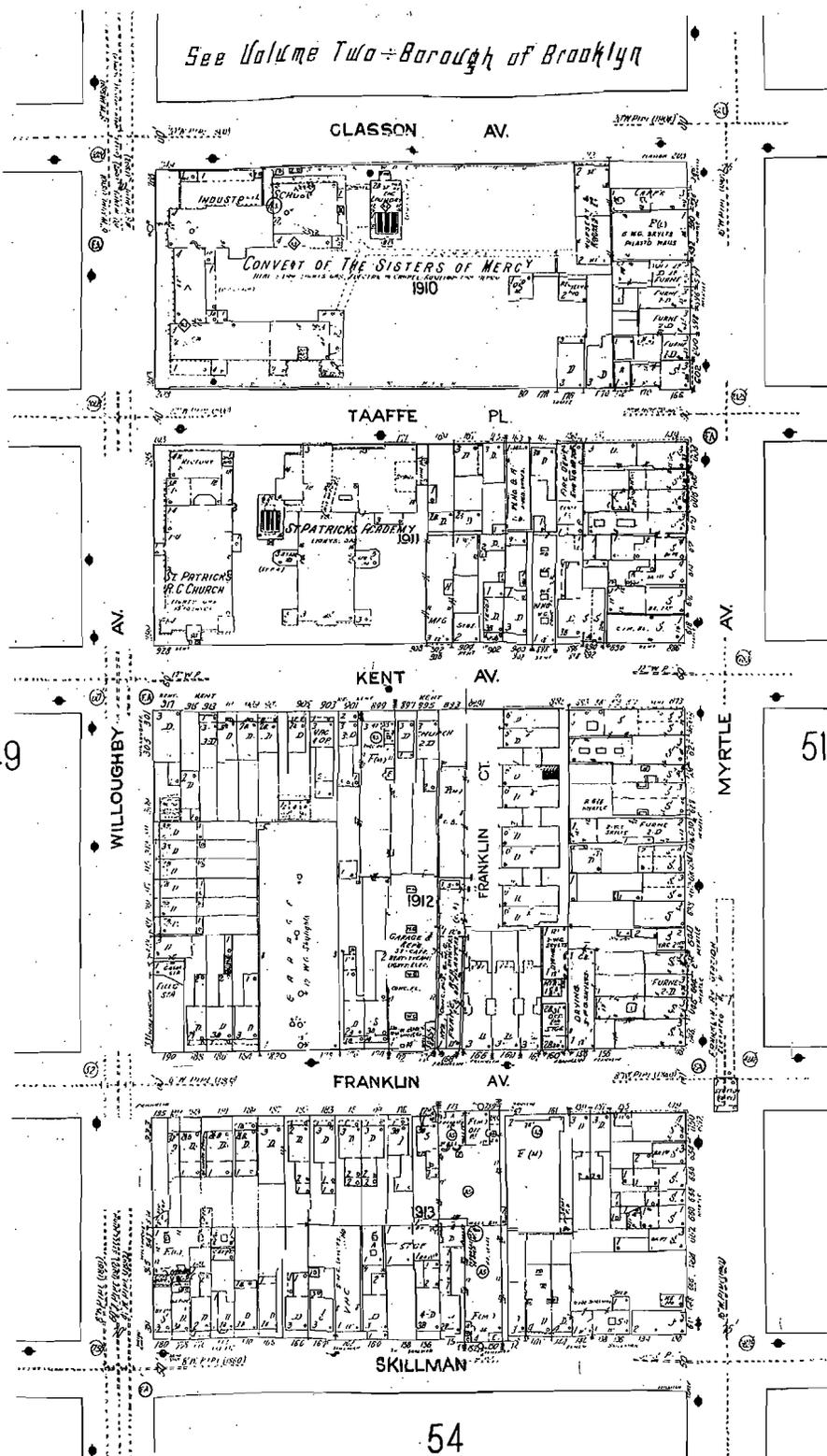
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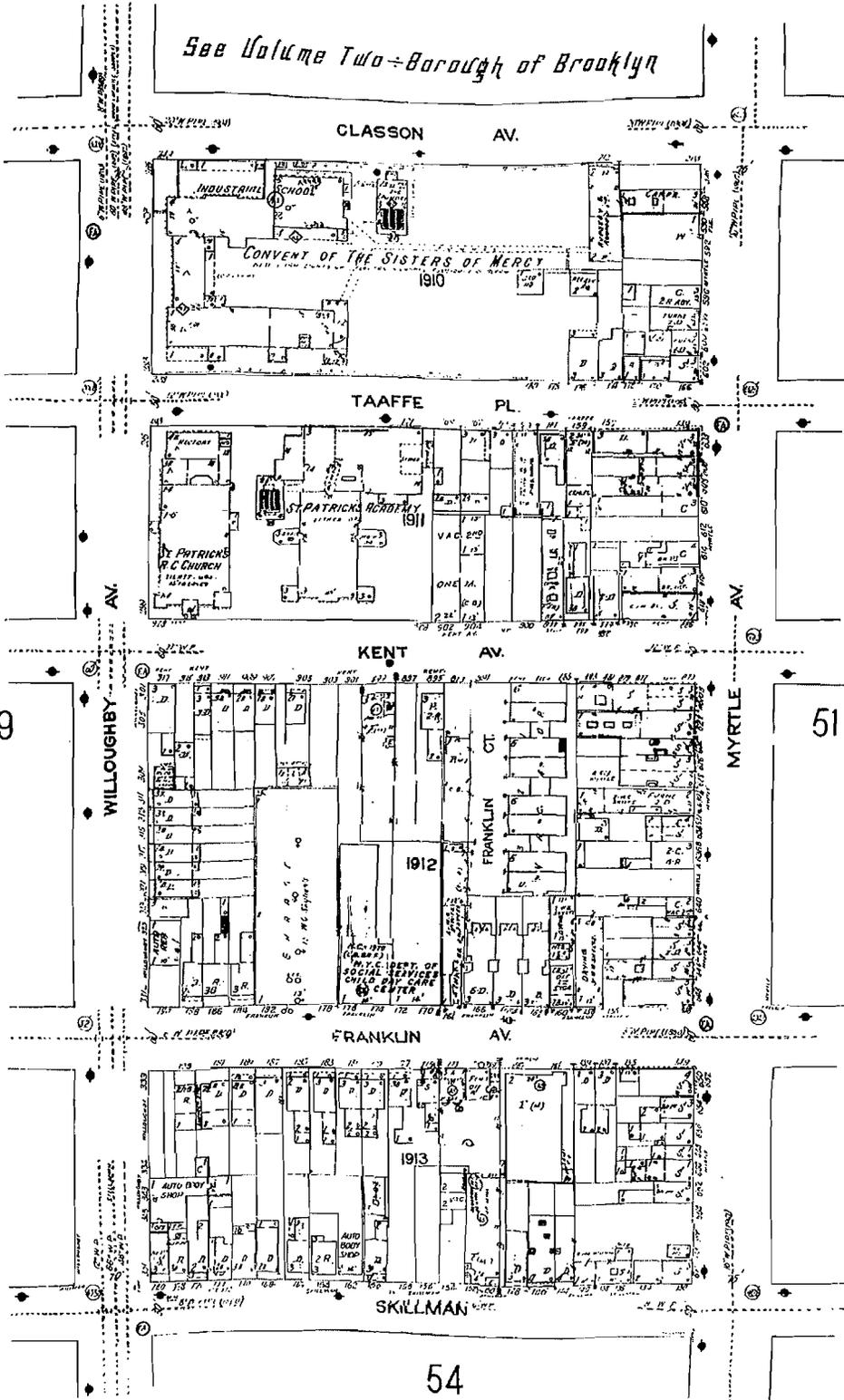
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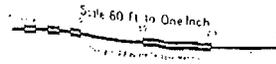
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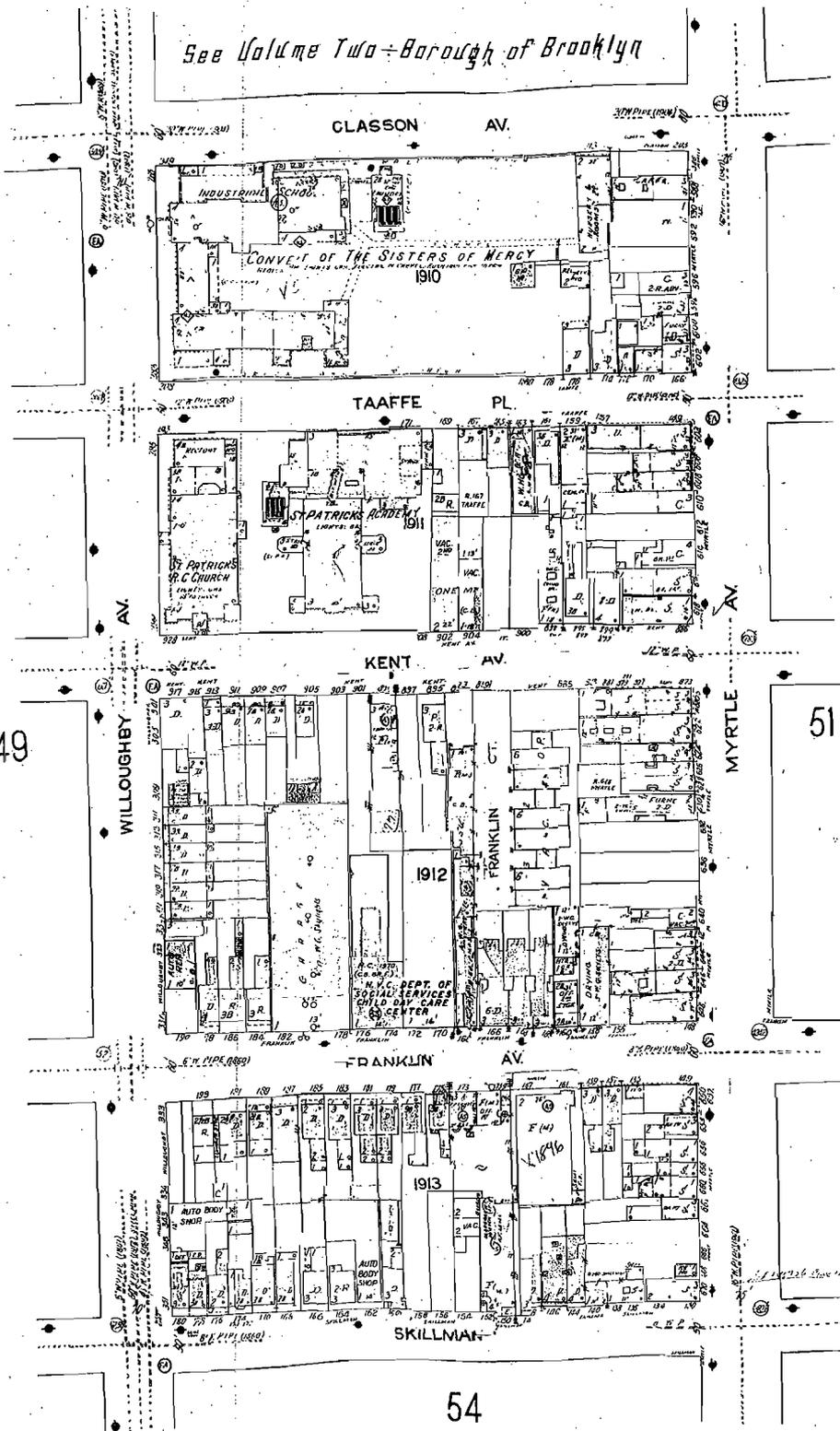
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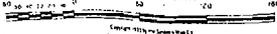
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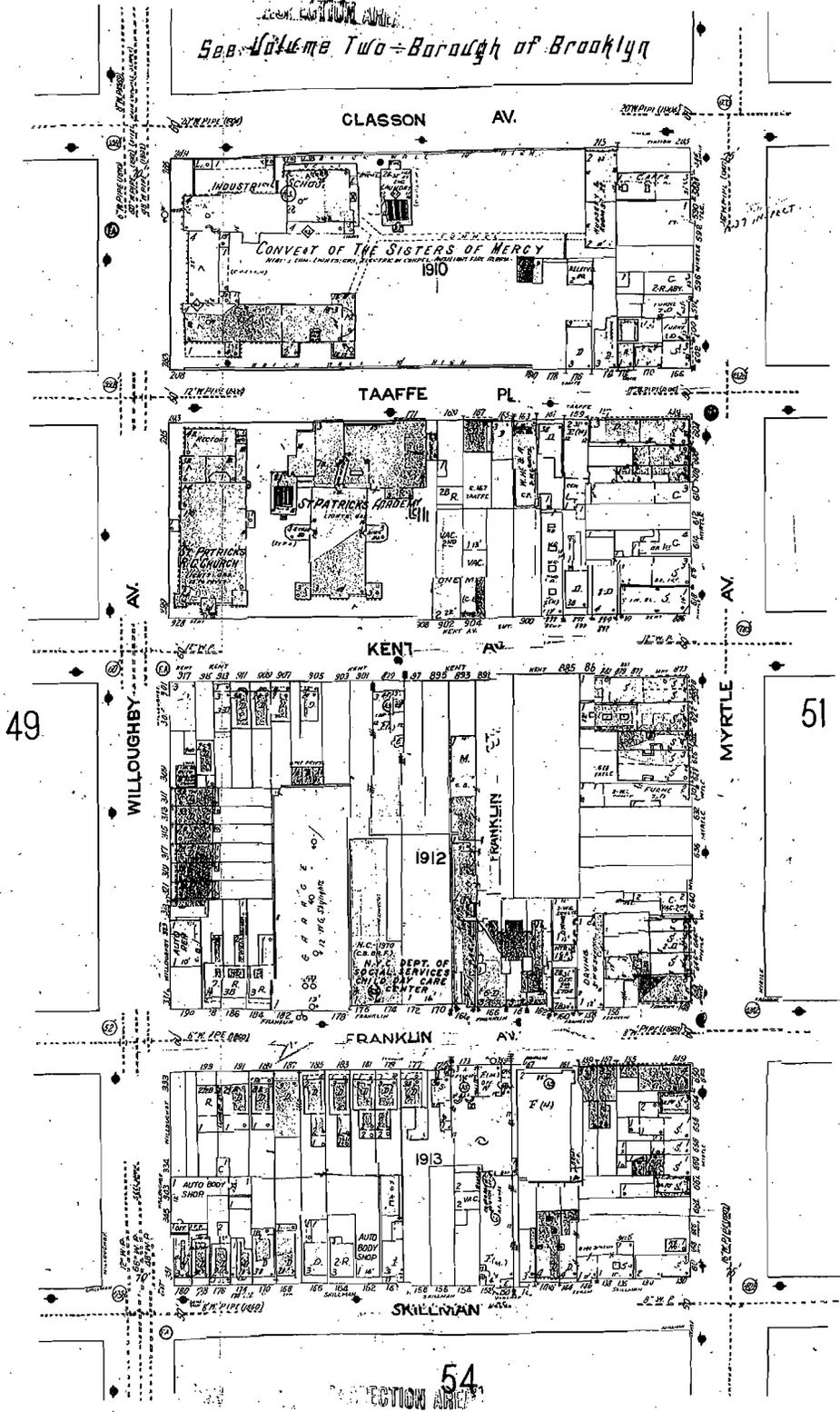
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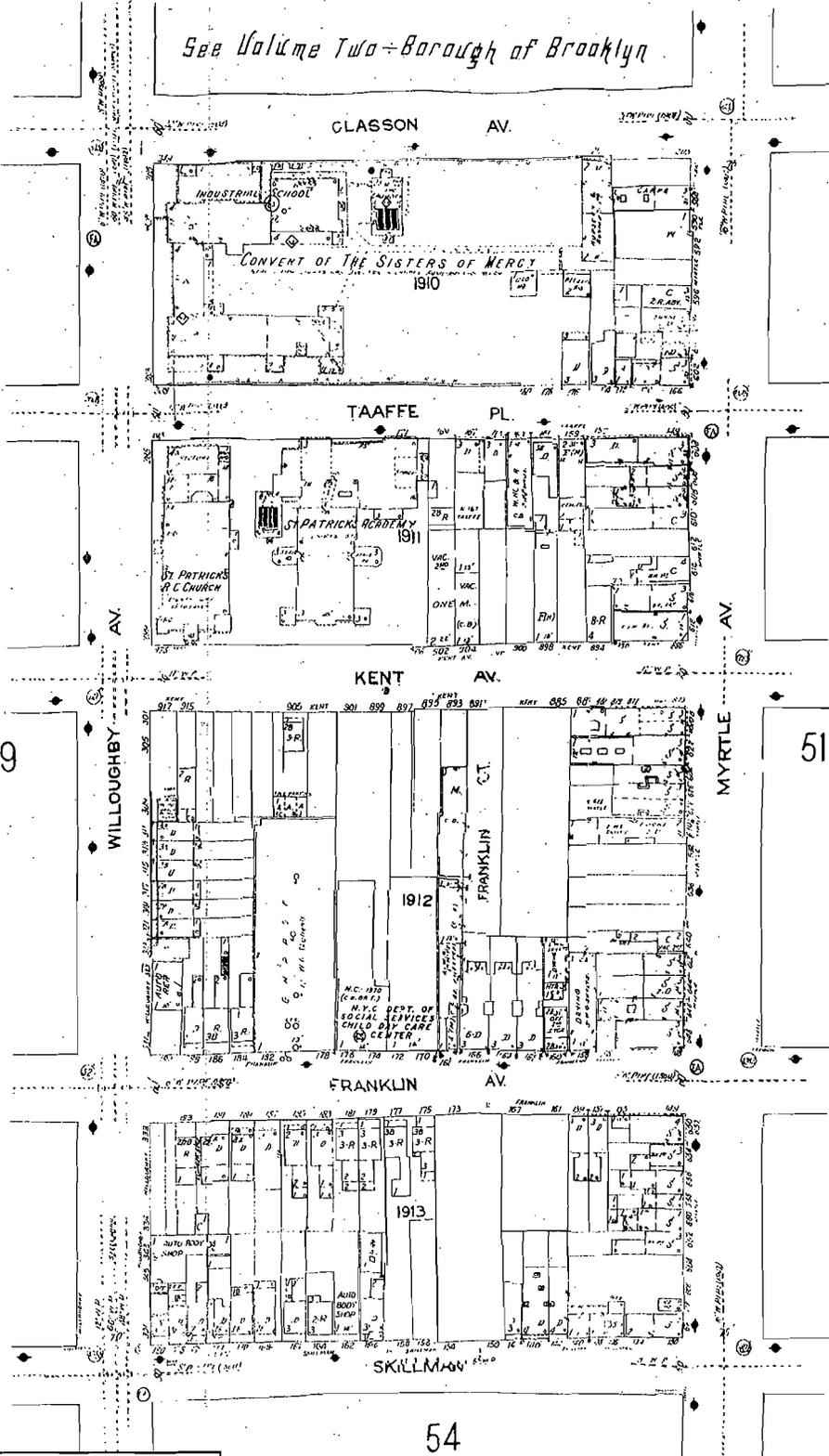


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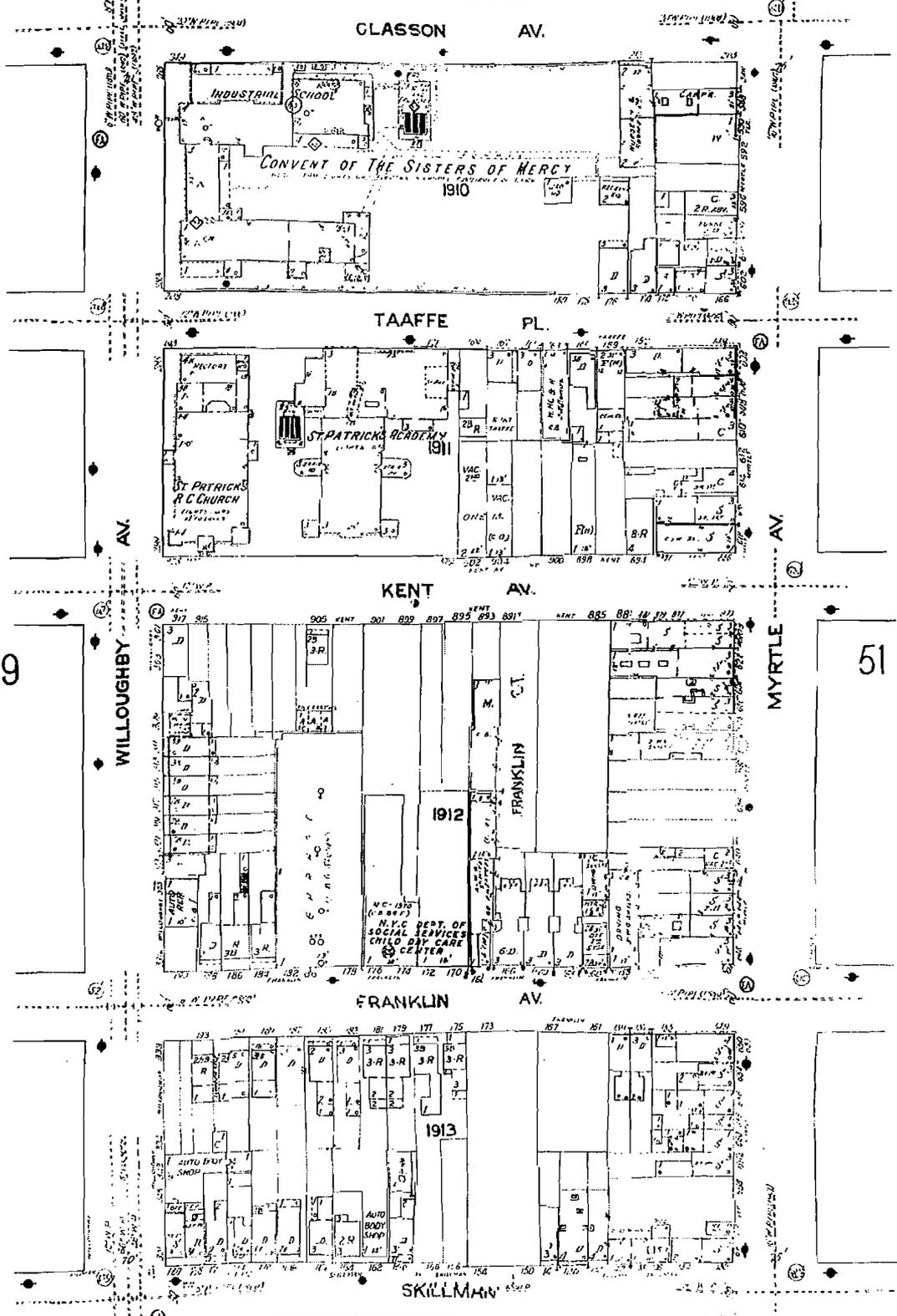
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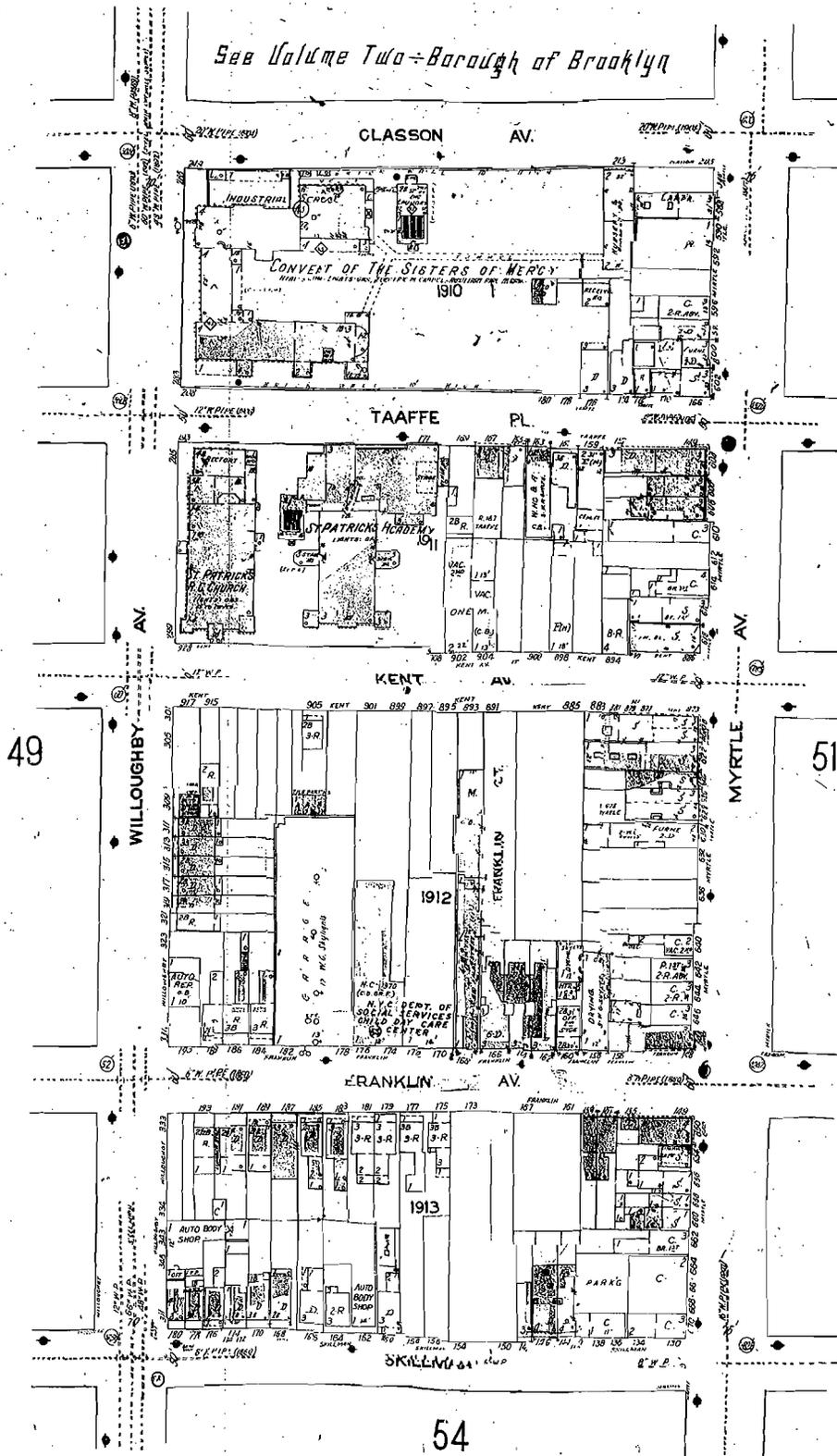
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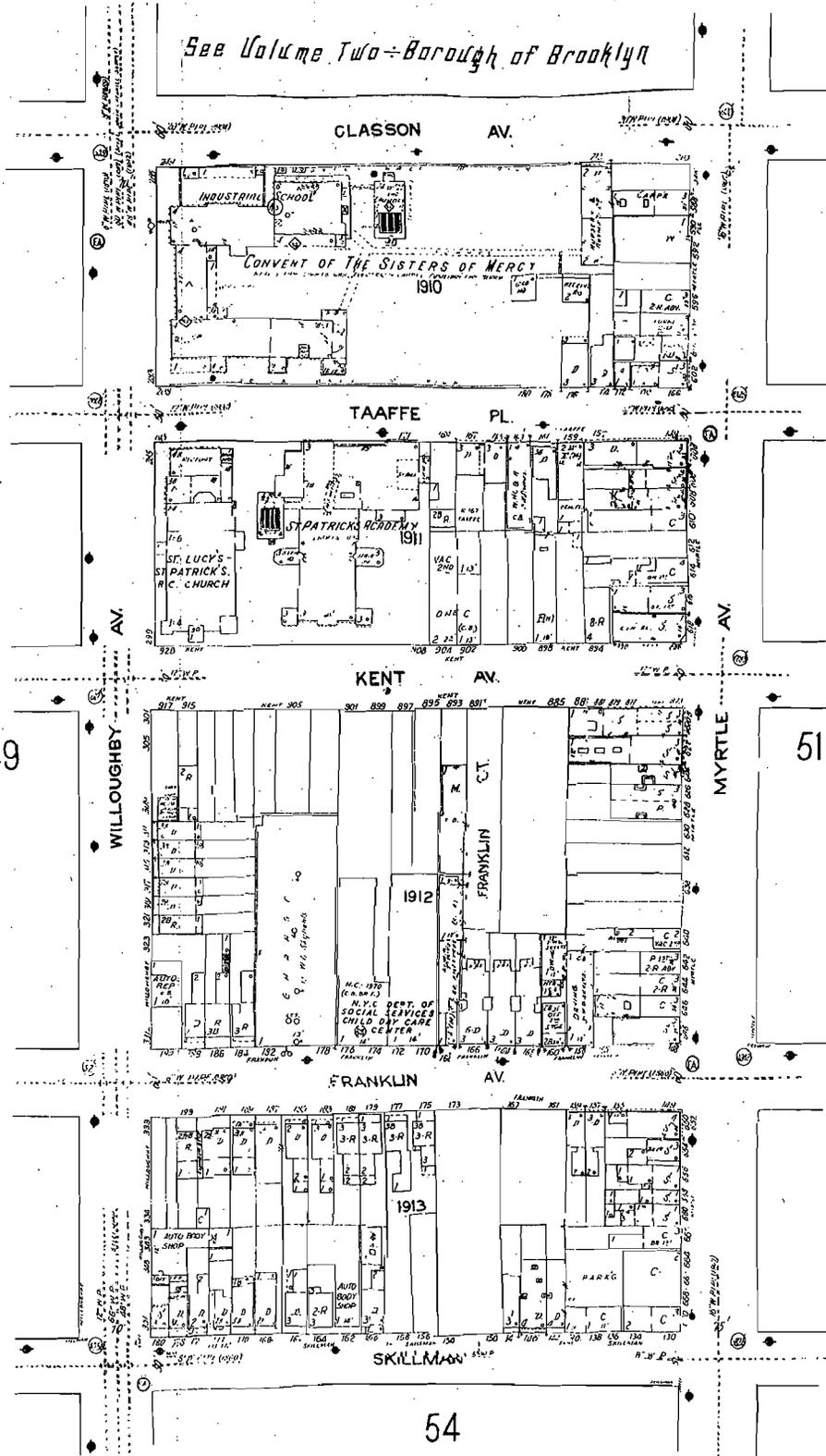
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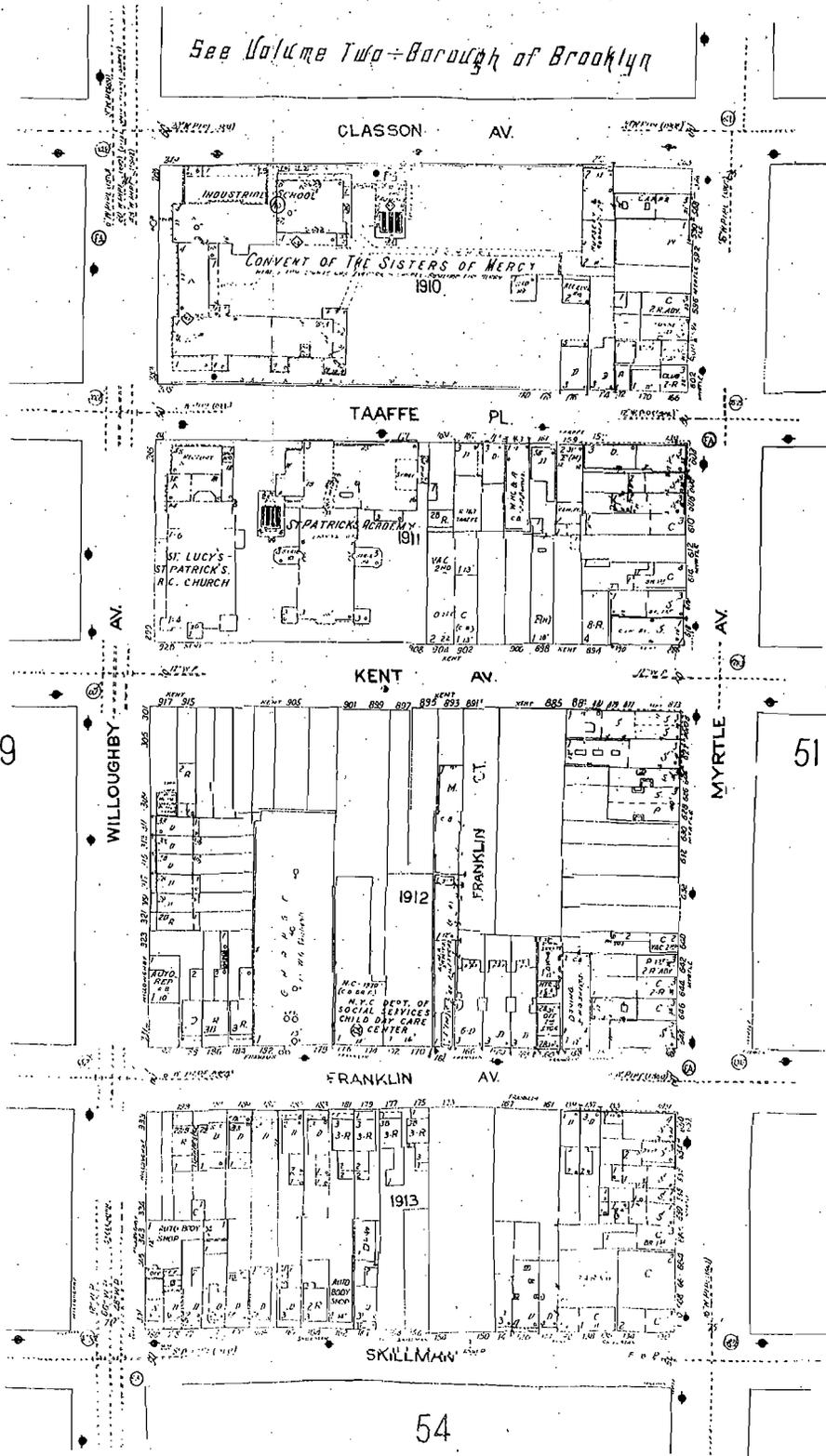
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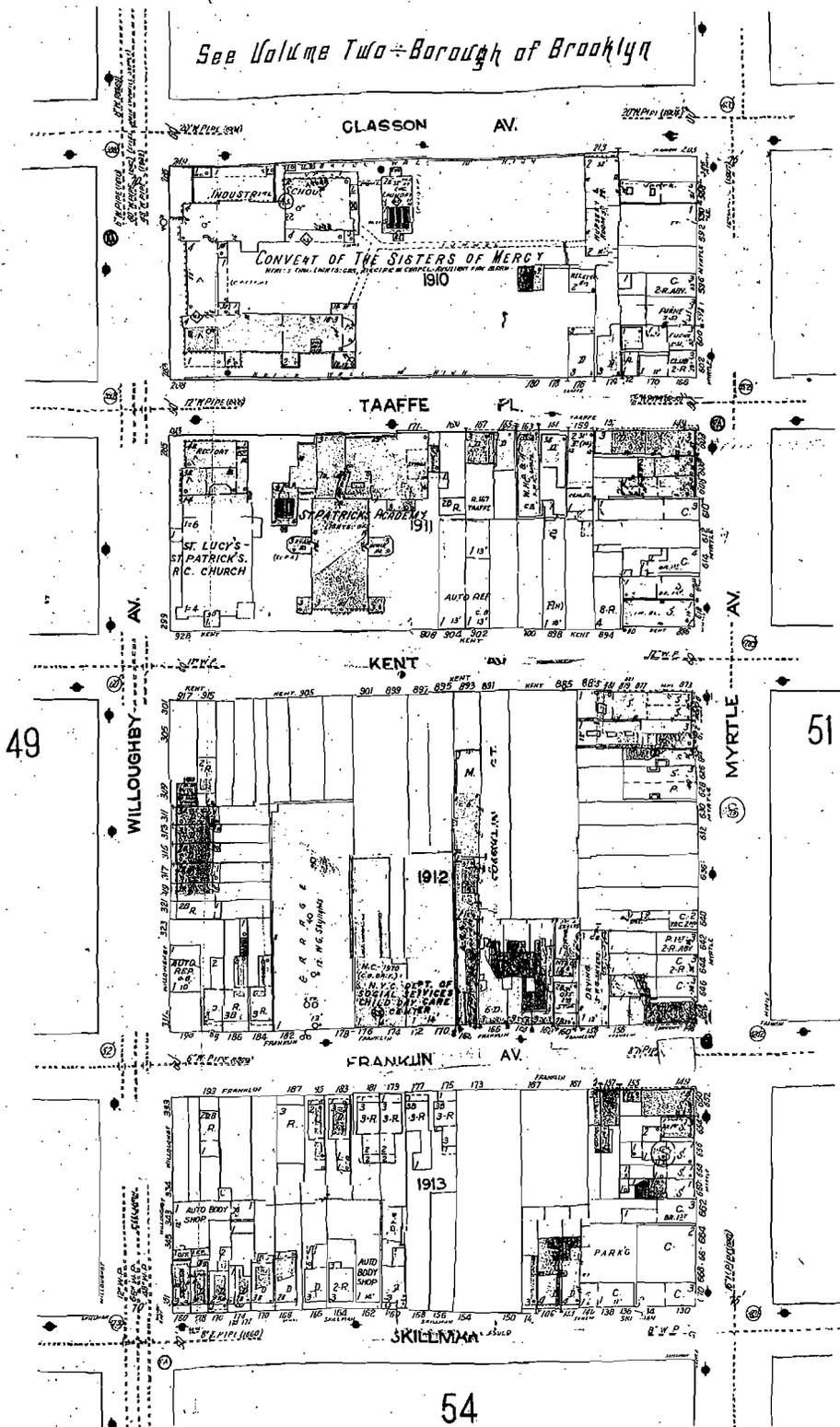


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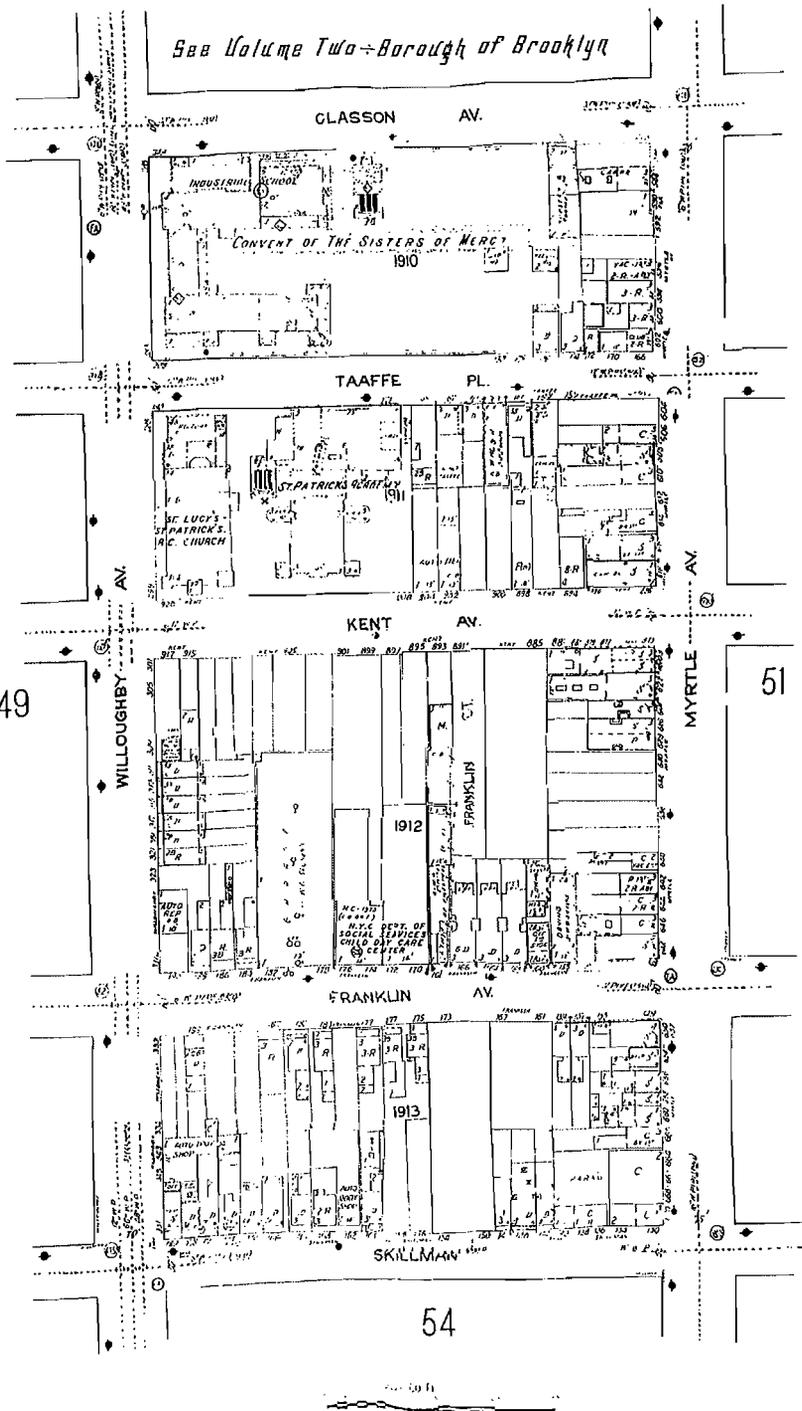
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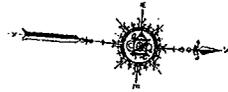


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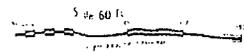
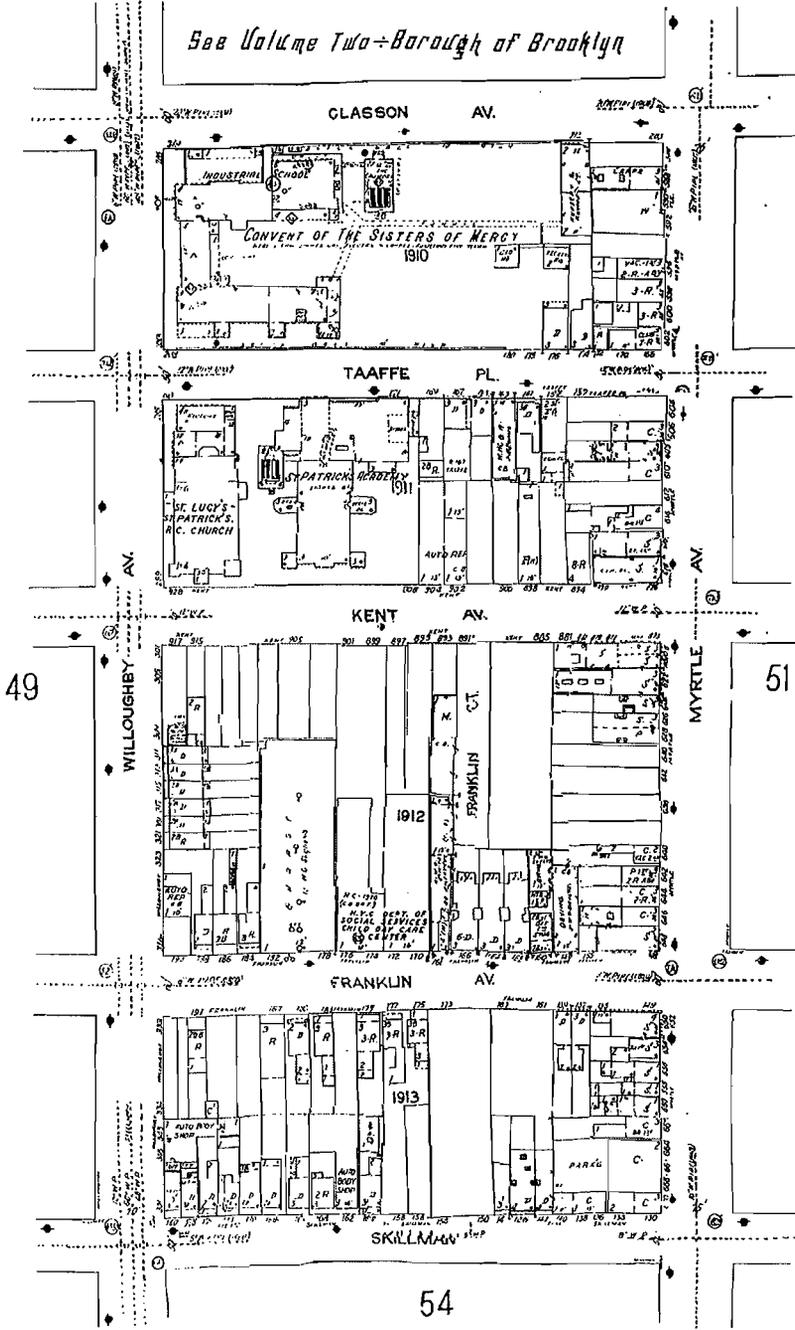
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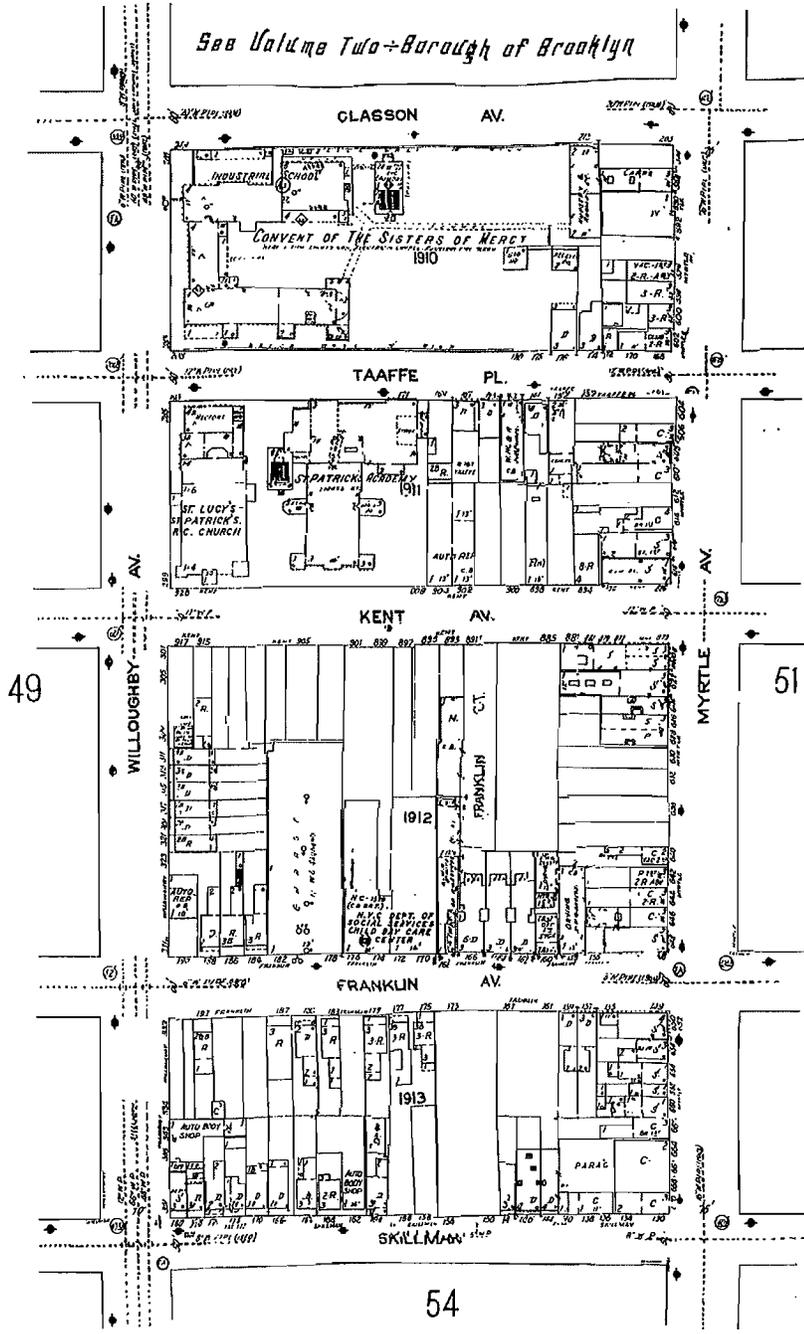
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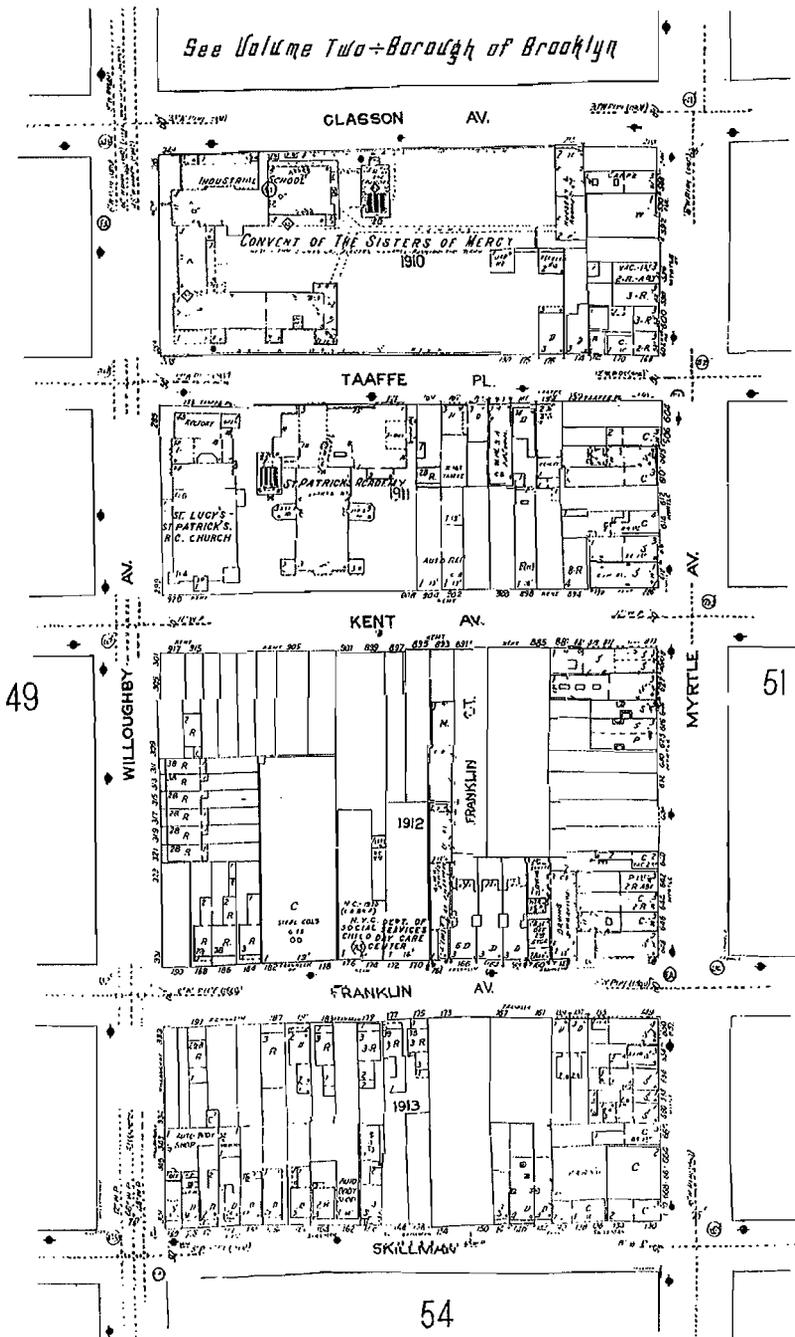
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ATTACHMENT B
SOIL BORING LOGS

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: Performed 15 feet from Myrtle Avenue property line and 11 feet from Classon Avenue property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name:	Address: 586-588 Myrtle Avenue, Brooklyn, NY	Date	DTW
		Ground Elevation	
Drilling Company: LVS Drilling		Method: Macro core Geoprobe LT54	
Date Started: 12/2/2012		Date Completed: 12/2/2012	
Completion Depth: 9 feet		Field Technician: D.Mosca	
		Groundwater depth	Well Specifications
		>37'	

B1 (NTS)	(ft below grade)	Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION	
	0					
	to	24		0.0	6" - Concrete. Followed by 9" - Dark sandy fill material composed of tile, brick, styrofoam, etc. 9" - Red brick. <i>*Soil Sample retained B1(0-2')</i>	
	4					
	to	34		0.0	12" - Brick. 22" - Brown, Fine silty sand. <i>*Soil Sample retained B1(7-9')</i>	
	9					
						<i>*Soil Gas Probe SG1 set at 9' below grade.</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Performed 12 feet from east property line and 44 feet from the south property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name:	Address: 586-588 Myrtle Avenue, Brooklyn, NY	Date	DTW
		Ground Elevation	
Drilling Company: LVS Drilling		Method: Macro core Geoprobe LT54	
Date Started: 12/2/2012		Date Completed: 12/2/2012	
Completion Depth: 9 feet		Field Technician: D.Mosca	
		Groundwater depth	Well Specifications
		>37'	

B2 (NTS)	(ft below grade)	Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to	12		0.0	14" - Concrete, brick, and a dark sandy fill material.
	4				<i>*Soil Sample retained B2(0-2').</i>
	to	48		0.0	8" - Fill material and brick. 40" - Fine brown silty sand. No gravel in Bottom 10".
	9				<i>*Soil Sample retained B2(7-9).</i>
					<i>*Soil Gas Probe SG2 set at 9' below grade.</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Performed 22 feet from the south property line and 11 feet from Classon Avenue property line.		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name:	Address: 586-588 Myrtle Avenue, Brooklyn, NY	Date	DTW
		Groundwater depth	
Drilling Company: LVS Drilling	Method: Macro core Geoprobe LT54	>37'	Ground Elevation
Date Started: 12/2/2012	Date Completed: 12/2/2012		Well Specifications
Completion Depth: 9 feet	Field Technician D.Mosca		

B3 (NTS)	(ft below grade)	Recovery (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION	
	0					
	to	24		0.0	24" - Concrete followed by mason sand, and a darky sandy fill material (composed of glass, coal ash, brick, etc). <i>*Soil Sample retained B3(0-2).</i>	
	4					
	to	36		0.0	16" - Same fill material as above. 1" - Black, damp rock and fine powder. No PID. 19" - Brown silty sand with mica and quartz. <i>*Soil Sample retained B3(7-9).</i>	
	9					
						<i>*Soil Gas Probe SG3 set at 9' below grade.</i>

ATTACHMENT C
GROUNDWATER SAMPLING LOGS

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: GW1

Date: 12/20/2012

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 41

Height of Water in Well: 14

Gallons of Water per Well Volume: 0.56

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	0.48					turbid
20.00	400ml/min	0.48					turbid
30.00	400ml/min	0.48					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: GW2

Date: 12/20/2012

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 41

Height of Water in Well: 14

Gallons of Water per Well Volume: 0.56

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	0.48					turbid
20.00	400ml/min	0.48					turbid
30.00	400ml/min	0.48					clear

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS



ENVIRONMENTAL BUSINESS CONSULTANTS

Well I.D.: GW3

Date: 12/20/2012

Well Depth (from TOC): 55

Equipment: Check Valve

Static Water Level (from TOC): 41

Height of Water in Well: 14

Gallons of Water per Well Volume: 0.56

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	Comments
0.00	400ml/min						turbid
10.00	400ml/min	0.48					turbid
20.00	400ml/min	0.48					turbid
30.00	400ml/min	0.48					clear

Note 400 ml = 0.11 gallons

ATTACHMENT D
SOIL GAS SAMPLING LOGS



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 08040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # 40 WCTSP Page 1 of 1
 Data Delivery:
 Fax #:
 Email: C.Sosik@ebcincny.com
 Phone #:

Report to: <u>EBC</u>	Invoice to: <u>EBC</u>	Project Name: <u>588 Myrtle Ave</u>
Customer: <u>EBC</u>		Criteria Requested: Deliverable: RCP <input type="checkbox"/>
Address: <u>1808 Middle Country Rd, Ridge, NY 11961</u>	Sampled by: <u>S. Babyatsky</u>	MCP <input type="checkbox"/>
		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																	
													MATRIX	ANALYSES			
<u>10835</u>	<u>SG-1</u>	<u>✓ 489</u>	<u>6.0</u>	<u>-30</u>	<u>-4</u>	<u>4497</u>	<u>✓ 2</u>	<u>1010</u>	<u>1203</u>	<u>12-18-12</u>	<u>-29</u>	<u>-4</u>	<u>X</u>				<u>X</u>
<u>10836</u>	<u>SG-2</u>	<u>✓ 468</u>	<u>↓</u>	<u>↓</u>	<u>-1</u>	<u>5350</u>	<u>↓</u>	<u>1004</u>	<u>1222</u>	<u>↓</u>	<u>-30</u>	<u>-4</u>	<u>↓</u>				<u>↓</u>
<u>10837</u>	<u>SG-3</u>	<u>✓ 11287</u>	<u>↓</u>	<u>↓</u>	<u>-2</u>	<u>4490</u>	<u>↓</u>	<u>1017</u>	<u>1220</u>	<u>↓</u>	<u>-29</u>	<u>-3</u>	<u>↓</u>				<u>↓</u>
	<u>6L 2HR</u>																

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>12-19-12</u>	Time: <u>9:04</u>	Data Format: Excel <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/>	Equis <input type="checkbox"/>	Other: <input type="checkbox"/>	GISKey <input type="checkbox"/>
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SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

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

Signature: [Signature] Date: 12-18-12

Quote Number: _____

ATTACHMENT E
LABORATORY REPORTS IN DIGITAL
FORMAT



Thursday, January 03, 2013

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

Project ID: 588 MYRTLE AVE.
Sample ID#s: BD10835 - BD10837

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

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

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

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

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



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



Analysis Report

January 03, 2013

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

Sample Information

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

Custody Information

Collected by: SB
 Received by: LB
 Analyzed by: see "By" below

Date: 12/18/12
 12/19/12
 Time: 12:03
 16:15

Laboratory Data

SDG ID: GBD10835
 Phoenix ID: BD10835

Project ID: 588 MYRTLE AVE.
 Client ID: SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/20/12	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/20/12	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/20/12	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/20/12	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	12/20/12	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/20/12	KCA	TO15
1,2,4-Trimethylbenzene	1.57	0.204	7.71	1.00	12/20/12	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/20/12	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	12/20/12	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	12/20/12	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/20/12	KCA	TO15
1,3,5-Trimethylbenzene	0.42	0.204	2.06	1.00	12/20/12	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	12/20/12	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	12/20/12	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/20/12	KCA	TO15 1
4-Ethyltoluene	0.3	0.204	1.47	1.00	12/20/12	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	1.55	0.244	6.34	1.00	12/20/12	KCA	TO15
Acetone	29.7	0.421	70.5	1.00	12/20/12	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	12/20/12	KCA	TO15
Benzene	0.77	0.313	2.46	1.00	12/20/12	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	12/20/12	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	12/20/12	KCA	TO15

Client ID: SG-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	12/20/12	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	12/20/12	KCA	TO15
Carbon Disulfide	0.49	0.321	1.52	1.00	12/20/12	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	12/20/12	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	12/20/12	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	12/20/12	KCA	TO15
Chloroform	1.07	0.205	5.22	1.00	12/20/12	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	12/20/12	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	12/20/12	KCA	TO15 1
Cyclohexane	0.34	0.291	1.17	1.00	12/20/12	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	12/20/12	KCA	TO15
Dichlorodifluoromethane	0.58	0.202	2.87	1.00	12/20/12	KCA	TO15
Ethanol	69.6	E 0.531	131	1.00	12/20/12	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	12/20/12	KCA	TO15 1
Ethylbenzene	1.27	0.230	5.51	1.00	12/20/12	KCA	TO15
Heptane	3.19	0.244	13.1	1.00	12/20/12	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	12/20/12	KCA	TO15
Hexane	0.9	0.284	3.17	1.00	12/20/12	KCA	TO15
Isopropylalcohol	2.07	0.407	5.08	1.00	12/20/12	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	12/20/12	KCA	TO15
m,p-Xylene	4.12	0.230	17.9	1.00	12/20/12	KCA	TO15
Methyl Ethyl Ketone	0.77	0.339	2.27	1.00	12/20/12	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/20/12	KCA	TO15
Methylene Chloride	2.73	0.288	9.48	1.00	12/20/12	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
o-Xylene	1.48	0.230	6.42	1.00	12/20/12	KCA	TO15
Propylene	ND	0.581	ND	1.00	12/20/12	KCA	TO15 .B
sec-Butylbenzene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	12/20/12	KCA	TO15
Tetrachloroethene	0.14	0.037	0.949	0.25	12/20/12	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	12/20/12	KCA	TO15 1
Toluene	22.7	0.266	85.5	1.00	12/20/12	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	12/20/12	KCA	TO15
Trichloroethene	0.08	0.047	0.430	0.25	12/20/12	KCA	TO15
Trichlorofluoromethane	0.26	0.178	1.46	1.00	12/20/12	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	12/20/12	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	12/20/12	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	103	%	103	%	12/20/12	KCA	70 - 130 %

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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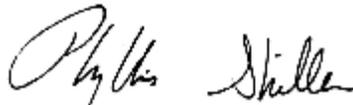
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

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



Phyllis Shiller, Laboratory Director

January 03, 2013

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

January 03, 2013

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

Sample Information

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

Custody Information

Collected by: SB
 Received by: LB
 Analyzed by: see "By" below

Date: 12/18/12 12:22
 12/19/12 16:15

Laboratory Data

SDG ID: GBD10835
 Phoenix ID: BD10836

Project ID: 588 MYRTLE AVE.
 Client ID: SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/20/12	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/20/12	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/20/12	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/20/12	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	12/20/12	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/20/12	KCA	TO15
1,2,4-Trimethylbenzene	1.21	0.204	5.94	1.00	12/20/12	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/20/12	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	12/20/12	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	12/20/12	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/20/12	KCA	TO15
1,3,5-Trimethylbenzene	0.34	0.204	1.67	1.00	12/20/12	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	12/20/12	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/20/12	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	12/20/12	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/20/12	KCA	TO15 1
4-Ethyltoluene	0.28	0.204	1.38	1.00	12/20/12	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	2.04	0.244	8.35	1.00	12/20/12	KCA	TO15
Acetone	30.2	0.421	71.7	1.00	12/20/12	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	12/20/12	KCA	TO15
Benzene	0.67	0.313	2.14	1.00	12/20/12	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	12/20/12	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	12/20/12	KCA	TO15

Client ID: SG-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	12/20/12	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	12/20/12	KCA	TO15
Carbon Disulfide	0.34	0.321	1.06	1.00	12/20/12	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	12/20/12	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	12/20/12	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	12/20/12	KCA	TO15
Chloroform	0.24	0.205	1.17	1.00	12/20/12	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	12/20/12	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	12/20/12	KCA	TO15 1
Cyclohexane	0.33	0.291	1.14	1.00	12/20/12	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	12/20/12	KCA	TO15
Dichlorodifluoromethane	0.49	0.202	2.42	1.00	12/20/12	KCA	TO15
Ethanol	77.2	E 0.531	145	1.00	12/20/12	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	12/20/12	KCA	TO15 1
Ethylbenzene	1.25	0.230	5.42	1.00	12/20/12	KCA	TO15
Heptane	3.49	0.244	14.3	1.00	12/20/12	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	12/20/12	KCA	TO15
Hexane	1.08	0.284	3.80	1.00	12/20/12	KCA	TO15
Isopropylalcohol	2.83	0.407	6.95	1.00	12/20/12	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	12/20/12	KCA	TO15
m,p-Xylene	4.04	0.230	17.5	1.00	12/20/12	KCA	TO15
Methyl Ethyl Ketone	0.78	0.339	2.30	1.00	12/20/12	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/20/12	KCA	TO15
Methylene Chloride	5.12	0.288	17.8	1.00	12/20/12	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
o-Xylene	1.46	0.230	6.34	1.00	12/20/12	KCA	TO15
Propylene	ND	0.581	ND	1.00	12/20/12	KCA	TO15 .B
sec-Butylbenzene	ND	0.182	ND	1.00	12/20/12	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	12/20/12	KCA	TO15
Tetrachloroethene	0.13	0.037	0.881	0.25	12/20/12	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	12/20/12	KCA	TO15 1
Toluene	22.9	0.266	86.2	1.00	12/20/12	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/20/12	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	12/20/12	KCA	TO15
Trichloroethene	ND	0.047	ND	0.25	12/20/12	KCA	TO15
Trichlorofluoromethane	0.23	0.178	1.29	1.00	12/20/12	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	12/20/12	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	12/20/12	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	104	%	104	%	12/20/12	KCA	70 - 130 %

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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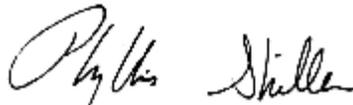
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
 B = Present in blank, no bias suspected.

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

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

January 03, 2013

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

January 03, 2013

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

Sample Information

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

Custody Information

Collected by: SB
 Received by: LB
 Analyzed by: see "By" below

Date: 12/18/12 12:20
 12/19/12 16:15

Laboratory Data

SDG ID: GBD10835
 Phoenix ID: BD10837

Project ID: 588 MYRTLE AVE.
 Client ID: SG-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/21/12	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/21/12	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/21/12	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/21/12	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	12/21/12	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	12/21/12	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/21/12	KCA	TO15
1,2,4-Trimethylbenzene	1.66	0.204	8.16	1.00	12/21/12	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/21/12	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/21/12	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	12/21/12	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	12/21/12	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/21/12	KCA	TO15
1,3,5-Trimethylbenzene	0.48	0.204	2.36	1.00	12/21/12	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	12/21/12	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/21/12	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/21/12	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	12/21/12	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/21/12	KCA	TO15 1
4-Ethyltoluene	0.43	0.204	2.11	1.00	12/21/12	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/21/12	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	0.85	0.244	3.48	1.00	12/21/12	KCA	TO15
Acetone	52.4	0.421	124	1.00	12/21/12	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	12/21/12	KCA	TO15
Benzene	0.84	0.313	2.68	1.00	12/21/12	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	12/21/12	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	12/21/12	KCA	TO15

Client ID: SG-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	12/21/12	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	12/21/12	KCA	TO15
Carbon Disulfide	0.97	0.321	3.02	1.00	12/21/12	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	12/21/12	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	12/21/12	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	12/21/12	KCA	TO15
Chloroform	1.35	0.205	6.59	1.00	12/21/12	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	12/21/12	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	12/21/12	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	12/21/12	KCA	TO15 1
Cyclohexane	0.35	0.291	1.20	1.00	12/21/12	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	12/21/12	KCA	TO15
Dichlorodifluoromethane	ND	0.202	ND	1.00	12/21/12	KCA	TO15
Ethanol	76.8	E 0.531	145	1.00	12/21/12	KCA	TO15 1
Ethyl acetate	0.28	0.278	1.01	1.00	12/21/12	KCA	TO15 1
Ethylbenzene	1.66	0.230	7.20	1.00	12/21/12	KCA	TO15
Heptane	2.56	0.244	10.5	1.00	12/21/12	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	12/21/12	KCA	TO15
Hexane	1.03	0.284	3.63	1.00	12/21/12	KCA	TO15
Isopropylalcohol	2.54	0.407	6.24	1.00	12/21/12	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	12/21/12	KCA	TO15
m,p-Xylene	5.63	0.230	24.4	1.00	12/21/12	KCA	TO15
Methyl Ethyl Ketone	1.18	0.339	3.48	1.00	12/21/12	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/21/12	KCA	TO15
Methylene Chloride	1.03	0.288	3.58	1.00	12/21/12	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	12/21/12	KCA	TO15 1
o-Xylene	1.96	0.230	8.50	1.00	12/21/12	KCA	TO15
Propylene	ND	0.581	ND	1.00	12/21/12	KCA	TO15 .B
sec-Butylbenzene	ND	0.182	ND	1.00	12/21/12	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	12/21/12	KCA	TO15
Tetrachloroethene	0.13	0.037	0.881	0.25	12/21/12	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	12/21/12	KCA	TO15 1
Toluene	19.4	0.266	73.1	1.00	12/21/12	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/21/12	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	12/21/12	KCA	TO15
Trichloroethene	0.12	0.047	0.644	0.25	12/21/12	KCA	TO15
Trichlorofluoromethane	0.32	0.178	1.80	1.00	12/21/12	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	12/21/12	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	12/21/12	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	103	%	103	%	12/21/12	KCA	70 - 130 %

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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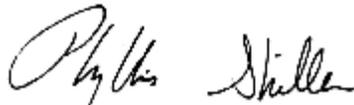
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
 B = Present in blank, no bias suspected.

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

Comments:

E = Estimated value quantitated above calibration range for this compound.

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

January 03, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

January 03, 2013

QA/QC Data

SDG I.D.: GBD10835

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 217221, QC Sample No: BD10837 (BD10835, BD10836, BD10837)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	83	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	76	8.16	7.96	1.66	1.62	2.4	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	85	2.36	2.16	0.48	0.44	8.7	70 - 130	20
1,3-Butadiene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	97	2.11	1.52	0.43	0.31	32.4	70 - 130	20
4-Isopropyltoluene	ND	ND	81	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	102	3.48	4.42	0.85	1.08	23.8	70 - 130	20
Acetone	ND	ND	98	122	121	51.5	51	1.0	70 - 130	20
Acrylonitrile	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	98	2.68	2.68	0.84	0.84	0.0	70 - 130	20
Benzyl chloride	ND	ND	80	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	96	3.02	2.99	0.97	0.96	1.0	70 - 130	20
Carbon Tetrachloride	ND	ND	98	0.503	0.440	0.08	0.07	13.3	70 - 130	20
Chlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	102	6.59	6.73	1.35	1.38	2.2	70 - 130	20
Chloromethane	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	95	1.20	1.20	0.35	0.35	0.0	70 - 130	20
Dibromochloromethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	102	ND	2.72	ND	0.55	NC	70 - 130	20
Ethanol	ND	ND	104	147	144	77.9	76.6	1.7	70 - 130	20

QA/QC Data

SDG I.D.: GBD10835

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	98	1.01	1.01	0.28	0.28	0.0	70 - 130	20
Ethylbenzene	ND	ND	102	7.20	5.86	1.66	1.35	20.6	70 - 130	20
Heptane	ND	ND	103	10.5	11.1	2.56	2.72	6.1	70 - 130	20
Hexachlorobutadiene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	93	3.63	3.73	1.03	1.06	2.9	70 - 130	20
Isopropylalcohol	ND	ND	94	6.24	6.29	2.54	2.56	0.8	70 - 130	20
Isopropylbenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	90	24.4	19.6	5.63	4.51	22.1	70 - 130	20
Methyl Ethyl Ketone	ND	ND	90	3.48	3.68	1.18	1.25	5.8	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	91	3.58	3.51	1.03	1.01	2.0	70 - 130	20
n-Butylbenzene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	90	8.50	7.03	1.96	1.62	19.0	70 - 130	20
Propylene	0.61	1.05	103	ND	ND	ND	ND	NC	70 - 130	20
sec-Butylbenzene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	101	0.881	0.881	0.13	0.13	0.0	70 - 130	20
Tetrahydrofuran	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	100	73.1	77.6	19.4	20.6	6.0	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	104	0.644	0.698	0.12	0.13	8.0	70 - 130	20
Trichlorofluoromethane	ND	ND	99	1.80	1.80	0.32	0.32	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	103	103	101	103	102	103	102	1.0	70 - 130	20

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
January 03, 2013

Thursday, January 03, 2013

Requested Criteria: None

State: NY

Sample Criteria Exceedences Report

Page 1 of 1

GBD10835 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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



P.O. # 40 WALTER Page 1 of 1
Data Delivery: Fax #:
 Email: CSOSIK@ebcincny.com
 Phone #:

Report to: EBC
Customer: EBC
Address: 1808 Middle Country Rd., Ridge, NY 11961

Invoice to: EBC
Project Name: 588 Myrtle Ave
Criteria Requested: Deliverable: RCP MCP
State where samples collected: NY

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										MATRIX		TO-14	TO-15
		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		
<u>10835</u>	<u>SG-1</u>	<u>489</u>	<u>6.0</u>	<u>30</u>	<u>-4</u>	<u>449742</u>		<u>1010</u>	<u>1203</u>	<u>12/18/12</u>	<u>-29</u>	<u>-4</u>	<u>X</u>		<u>X</u>
<u>10836</u>	<u>SG-2</u>	<u>468</u>	<u>↓</u>	<u>↓</u>	<u>-1</u>	<u>5350</u>		<u>1004</u>	<u>1222</u>	<u>↓</u>	<u>-30</u>	<u>-4</u>	<u>↓</u>		<u>↓</u>
<u>10837</u>	<u>SG-3</u>	<u>11287</u>	<u>↓</u>	<u>↓</u>	<u>-2</u>	<u>4490</u>		<u>1017</u>	<u>1220</u>	<u>↓</u>	<u>-29</u>	<u>-3</u>	<u>↓</u>		<u>↓</u>
	<u>6L 2HR</u>														

Relinquished by: [Signature]
Accepted by: [Signature]
Time: 7:04 Date: 12-19-12
Data Format: Excel Equis GISKey
 PDF Other:

Quote Number: _____ Date: 12-18-12

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:
[Signature]
10121119121015

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



Thursday, December 13, 2012

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

Project ID: 588 MYRTLE AVENUE
Sample ID#s: BD03506 - BD03511

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

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

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

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

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

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



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



SDG Comments

December 13, 2012

SDG I.D.: GBD03506

BD03506 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD03507 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD03508 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD03509 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD03510 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BD03511 - 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

Analysis Report
 December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03506

Project ID: 588 MYRTLE AVENUE
 Client ID: B1 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.7	0.7	mg/Kg	12/06/12	LK	SW6010
Aluminum	7980	57	mg/Kg	12/06/12	EK	SW6010
Arsenic	9.8	0.8	mg/Kg	12/06/12	LK	SW6010
Barium	891	0.38	mg/Kg	12/06/12	LK	SW6010
Beryllium	0.60	0.30	mg/Kg	12/06/12	LK	SW6010
Calcium	36000	57	mg/Kg	12/06/12	EK	SW6010
Cadmium	4.33	0.38	mg/Kg	12/06/12	LK	SW6010
Cobalt	7.10	0.38	mg/Kg	12/06/12	LK	SW6010
Chromium	44.7	0.38	mg/Kg	12/06/12	LK	SW6010
Copper	198	3.8	mg/kg	12/06/12	EK	SW6010
Iron	20200	57	mg/Kg	12/06/12	EK	SW6010
Mercury	51.7	4.4	mg/Kg	12/05/12	RS	SW-7471
Potassium	1470	5.7	mg/Kg	12/06/12	LK	SW6010
Magnesium	4270	5.7	mg/Kg	12/06/12	LK	SW6010
Manganese	466	3.8	mg/Kg	12/06/12	EK	SW6010
Sodium	239	5.7	mg/Kg	12/06/12	LK	SW6010
Nickel	21.8	0.38	mg/Kg	12/06/12	LK	SW6010
Lead	1750	38	mg/Kg	12/06/12	EK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	12/06/12	LK	SW6010
Vanadium	49.4	0.38	mg/Kg	12/06/12	LK	SW6010
Zinc	995	3.8	mg/Kg	12/06/12	EK	SW6010
Percent Solid	87		%	12/04/12	JL	E160.3
Total Cyanide	0.66	0.57	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/04/12	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1221	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1232	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1242	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1248	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1254	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1260	2200	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1262	ND	760	ug/Kg	12/05/12	AW	SW 8082
PCB-1268	ND	760	ug/Kg	12/05/12	AW	SW 8082

QA/QC Surrogates

% DCBP	96		%	12/05/12	AW	30 - 150 %
% TCMX	94		%	12/05/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	73	ug/Kg	12/05/12	MH	SW8081
4,4' -DDE	1300	370	ug/Kg	12/05/12	MH	SW8081
4,4' -DDT	2200	370	ug/Kg	12/05/12	MH	SW8081
a-BHC	ND	37	ug/Kg	12/05/12	MH	SW8081
Alachlor	ND	37	ug/Kg	12/05/12	MH	SW8081
Aldrin	ND	11	ug/Kg	12/05/12	MH	SW8081
b-BHC	ND	37	ug/Kg	12/05/12	MH	SW8081
Chlordane	560	110	ug/Kg	12/05/12	MH	SW8081
d-BHC	ND	37	ug/Kg	12/05/12	MH	SW8081
Dieldrin	ND	11	ug/Kg	12/05/12	MH	SW8081
Endosulfan I	ND	37	ug/Kg	12/05/12	MH	SW8081
Endosulfan II	ND	73	ug/Kg	12/05/12	MH	SW8081
Endosulfan sulfate	ND	73	ug/Kg	12/05/12	MH	SW8081
Endrin	ND	73	ug/Kg	12/05/12	MH	SW8081
Endrin aldehyde	ND	73	ug/Kg	12/05/12	MH	SW8081
Endrin ketone	ND	73	ug/Kg	12/05/12	MH	SW8081
g-BHC	ND	11	ug/Kg	12/05/12	MH	SW8081
Heptachlor	ND	23	ug/Kg	12/05/12	MH	SW8081
Heptachlor epoxide	ND	37	ug/Kg	12/05/12	MH	SW8081
Methoxychlor	ND	370	ug/Kg	12/05/12	MH	SW8081
Toxaphene	ND	370	ug/Kg	12/05/12	MH	SW8081

QA/QC Surrogates

% DCBP	Diluted Out		%	12/05/12	MH	30 - 150 %
% TCMX	Diluted Out		%	12/05/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,1,1-Trichloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260

Client ID: B1 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260 1P
1,2,3-Trichloropropane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2-Dibromoethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
2-Hexanone	ND	29	ug/Kg	12/07/12	R/J	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260 1
4-Chlorotoluene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	12/07/12	R/J	SW8260
Acetone	ND	29	ug/Kg	12/07/12	R/J	SW8260
Acrylonitrile	ND	11	ug/Kg	12/07/12	R/J	SW8260
Benzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Bromobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Bromochloromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Bromoform	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Bromomethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Chlorobenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Chloroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Chloroform	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Chloromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260 1
Dibromochloromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Dibromomethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Ethylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260 1P
Isopropylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
m&p-Xylene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Methyl Ethyl Ketone	ND	29	ug/Kg	12/07/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/07/12	R/J	SW8260
Methylene chloride	ND	29	ug/Kg	12/07/12	R/J	SW8260
Naphthalene	300	290	ug/Kg	12/07/12	R/J	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
o-Xylene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Styrene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/07/12	R/J	SW8260
Toluene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Total Xylenes	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/07/12	R/J	SW8260
Trichloroethene	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
Vinyl chloride	ND	5.7	ug/Kg	12/07/12	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	12/07/12	R/J	70 - 130 %
% Bromofluorobenzene	85		%	12/07/12	R/J	70 - 130 %
% Dibromofluoromethane	89		%	12/07/12	R/J	70 - 130 %
% Toluene-d8	97		%	12/07/12	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
1,2-Dichlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	1900	ug/Kg	12/05/12	DD	SW 8270
1,3-Dichlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
1,4-Dichlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,4-Dichlorophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,4-Dimethylphenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrophenol	ND	3100	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrotoluene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2,6-Dinitrotoluene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2-Chloronaphthalene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2-Chlorophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2-Methylnaphthalene	2400	1300	ug/Kg	12/05/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	1300	ug/Kg	12/05/12	DD	SW 8270
2-Nitroaniline	ND	3100	ug/Kg	12/05/12	DD	SW 8270
2-Nitrophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	1900	ug/Kg	12/05/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	1300	ug/Kg	12/05/12	DD	SW 8270
3-Nitroaniline	ND	3100	ug/Kg	12/05/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	5500	ug/Kg	12/05/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	1900	ug/Kg	12/05/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
4-Chloroaniline	ND	1300	ug/Kg	12/05/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	1300	ug/Kg	12/05/12	DD	SW 8270
4-Nitroaniline	ND	3100	ug/Kg	12/05/12	DD	SW 8270

Client ID: B1 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	5500	ug/Kg	12/05/12	DD	SW 8270
Acenaphthene	6800	1300	ug/Kg	12/05/12	DD	SW 8270
Acenaphthylene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Acetophenone	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Aniline	ND	5500	ug/Kg	12/05/12	DD	SW 8270
Anthracene	14000	1300	ug/Kg	12/05/12	DD	SW 8270
Benz(a)anthracene	30000	1300	ug/Kg	12/05/12	DD	SW 8270
Benzidine	ND	2300	ug/Kg	12/05/12	DD	SW 8270
Benzo(a)pyrene	25000	1300	ug/Kg	12/05/12	DD	SW 8270
Benzo(b)fluoranthene	32000	1300	ug/Kg	12/05/12	DD	SW 8270
Benzo(ghi)perylene	12000	1300	ug/Kg	12/05/12	DD	SW 8270
Benzo(k)fluoranthene	12000	1300	ug/Kg	12/05/12	DD	SW 8270
Benzoic acid	ND	5500	ug/Kg	12/05/12	DD	SW 8270
Benzyl butyl phthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	1900	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Carbazole	11000	2900	ug/Kg	12/05/12	DD	SW 8270
Chrysene	27000	1300	ug/Kg	12/05/12	DD	SW 8270
Dibenz(a,h)anthracene	3600	1300	ug/Kg	12/05/12	DD	SW 8270
Dibenzofuran	5100	1300	ug/Kg	12/05/12	DD	SW 8270
Diethyl phthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Dimethylphthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Di-n-butylphthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Di-n-octylphthalate	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Fluoranthene	73000	1300	ug/Kg	12/05/12	DD	SW 8270
Fluorene	6500	1300	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobutadiene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Hexachloroethane	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	12000	1300	ug/Kg	12/05/12	DD	SW 8270
Isophorone	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Naphthalene	4100	1300	ug/Kg	12/05/12	DD	SW 8270
Nitrobenzene	ND	1300	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodimethylamine	ND	1900	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	1300	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	1900	ug/Kg	12/05/12	DD	SW 8270
Pentachloronitrobenzene	ND	1900	ug/Kg	12/05/12	DD	SW 8270
Pentachlorophenol	ND	1900	ug/Kg	12/05/12	DD	SW 8270
Phenanthrene	71000	1300	ug/Kg	12/05/12	DD	SW 8270
Phenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Pyrene	59000	1300	ug/Kg	12/05/12	DD	SW 8270
Pyridine	ND	1900	ug/Kg	12/05/12	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	80		%	12/05/12	DD	30 - 130 %
% 2-Fluorobiphenyl	88		%	12/05/12	DD	40 - 140 %
% 2-Fluorophenol	69		%	12/05/12	DD	30 - 130 %
% Nitrobenzene-d5	81		%	12/05/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	74		%	12/05/12	DD	30 - 130 %
% Terphenyl-d14	76		%	12/05/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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

BRL=Below Reporting Level

Comments:

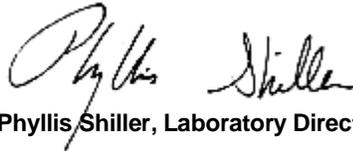
This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

* 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 semivolatile analysis.

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

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

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, 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
 December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03507

Project ID: 588 MYRTLE AVENUE
 Client ID: B1 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	12/06/12	LK	SW6010
Aluminum	17100	65	mg/Kg	12/06/12	EK	SW6010
Arsenic	2.2	0.9	mg/Kg	12/06/12	LK	SW6010
Barium	73.5	0.43	mg/Kg	12/06/12	LK	SW6010
Beryllium	0.81	0.35	mg/Kg	12/06/12	LK	SW6010
Calcium	1430	6.5	mg/Kg	12/06/12	LK	SW6010
Cadmium	< 0.43	0.43	mg/Kg	12/06/12	LK	SW6010
Cobalt	11.5	0.43	mg/Kg	12/06/12	LK	SW6010
Chromium	39.2	0.43	mg/Kg	12/06/12	LK	SW6010
Copper	34.4	0.43	mg/kg	12/06/12	LK	SW6010
Iron	32000	65	mg/Kg	12/06/12	EK	SW6010
Mercury	< 0.09	0.09	mg/Kg	12/05/12	RS	SW-7471
Potassium	3060	6.5	mg/Kg	12/06/12	LK	SW6010
Magnesium	4830	6.5	mg/Kg	12/06/12	LK	SW6010
Manganese	375	4.3	mg/Kg	12/06/12	EK	SW6010
Sodium	127	6.5	mg/Kg	12/06/12	LK	SW6010
Nickel	23.1	0.43	mg/Kg	12/06/12	LK	SW6010
Lead	12.0	0.43	mg/Kg	12/06/12	LK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.7	1.7	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.7	0.7	mg/Kg	12/06/12	LK	SW6010
Vanadium	49.7	0.43	mg/Kg	12/06/12	LK	SW6010
Zinc	66.6	0.43	mg/Kg	12/06/12	LK	SW6010
Percent Solid	79		%	12/04/12	JL	E160.3
Total Cyanide	< 0.58	0.58	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/04/12	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1221	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1232	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1242	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1248	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1254	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1260	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1262	ND	84	ug/Kg	12/06/12	AW	SW 8082
PCB-1268	ND	84	ug/Kg	12/06/12	AW	SW 8082

QA/QC Surrogates

% DCBP	49		%	12/06/12	AW	30 - 150 %
% TCMX	62		%	12/06/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.5	ug/Kg	12/06/12	MH	SW8081
4,4' -DDE	ND	2.5	ug/Kg	12/06/12	MH	SW8081
4,4' -DDT	ND	2.5	ug/Kg	12/06/12	MH	SW8081
a-BHC	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Alachlor	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Aldrin	ND	1.3	ug/Kg	12/06/12	MH	SW8081
b-BHC	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Chlordane	28	13	ug/Kg	12/06/12	MH	SW8081
d-BHC	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Dieldrin	ND	1.3	ug/Kg	12/06/12	MH	SW8081
Endosulfan I	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Endosulfan II	ND	8.1	ug/Kg	12/06/12	MH	SW8081
Endosulfan sulfate	ND	8.1	ug/Kg	12/06/12	MH	SW8081
Endrin	ND	8.1	ug/Kg	12/06/12	MH	SW8081
Endrin aldehyde	ND	8.1	ug/Kg	12/06/12	MH	SW8081
Endrin ketone	ND	8.1	ug/Kg	12/06/12	MH	SW8081
g-BHC	ND	1.3	ug/Kg	12/06/12	MH	SW8081
Heptachlor	ND	2.5	ug/Kg	12/06/12	MH	SW8081
Heptachlor epoxide	ND	4.0	ug/Kg	12/06/12	MH	SW8081
Methoxychlor	ND	40	ug/Kg	12/06/12	MH	SW8081
Toxaphene	ND	40	ug/Kg	12/06/12	MH	SW8081

QA/QC Surrogates

% DCBP	68		%	12/06/12	MH	30 - 150 %
% TCMX	50		%	12/06/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,1,1-Trichloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,1,2-Trichloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260 1P
1,2,3-Trichloropropane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromoethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloropropane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichloropropane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
1,4-Dichlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
2,2-Dichloropropane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
2-Chlorotoluene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
2-Hexanone	ND	32	ug/Kg	12/05/12	R/J	SW8260
2-Isopropyltoluene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260 1
4-Chlorotoluene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
4-Methyl-2-pentanone	ND	32	ug/Kg	12/05/12	R/J	SW8260
Acetone	ND	32	ug/Kg	12/05/12	R/J	SW8260
Acrylonitrile	ND	13	ug/Kg	12/05/12	R/J	SW8260
Benzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Bromobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Bromochloromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Bromodichloromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Bromoform	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Bromomethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Carbon Disulfide	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Carbon tetrachloride	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Chlorobenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Chloroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Chloroform	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Chloromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260 1
Dibromochloromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Dibromomethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Dichlorodifluoromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Ethylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Hexachlorobutadiene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260 1P
Isopropylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
m&p-Xylene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Methyl Ethyl Ketone	ND	32	ug/Kg	12/05/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	12/05/12	R/J	SW8260
Methylene chloride	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Naphthalene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
n-Butylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
n-Propylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
o-Xylene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
sec-Butylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Styrene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
tert-Butylbenzene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Tetrachloroethene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Tetrahydrofuran (THF)	ND	13	ug/Kg	12/05/12	R/J	SW8260
Toluene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Total Xylenes	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	12/05/12	R/J	SW8260
Trichloroethene	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Trichlorofluoromethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Trichlorotrifluoroethane	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
Vinyl chloride	ND	6.3	ug/Kg	12/05/12	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	12/05/12	R/J	70 - 130 %
% Bromofluorobenzene	97		%	12/05/12	R/J	70 - 130 %
% Dibromofluoromethane	100		%	12/05/12	R/J	70 - 130 %
% Toluene-d8	107		%	12/05/12	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
1,2-Dichlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	410	ug/Kg	12/05/12	DD	SW 8270
1,3-Dichlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
1,4-Dichlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,4-Dichlorophenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,4-Dimethylphenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrophenol	ND	660	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrotoluene	ND	290	ug/Kg	12/05/12	DD	SW 8270
2,6-Dinitrotoluene	ND	290	ug/Kg	12/05/12	DD	SW 8270
2-Chloronaphthalene	ND	290	ug/Kg	12/05/12	DD	SW 8270
2-Chlorophenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
2-Methylnaphthalene	ND	290	ug/Kg	12/05/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	290	ug/Kg	12/05/12	DD	SW 8270
2-Nitroaniline	ND	660	ug/Kg	12/05/12	DD	SW 8270
2-Nitrophenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	12/05/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	290	ug/Kg	12/05/12	DD	SW 8270
3-Nitroaniline	ND	660	ug/Kg	12/05/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	12/05/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	410	ug/Kg	12/05/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
4-Chloroaniline	ND	290	ug/Kg	12/05/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	12/05/12	DD	SW 8270
4-Nitroaniline	ND	660	ug/Kg	12/05/12	DD	SW 8270

Client ID: B1 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1200	ug/Kg	12/05/12	DD	SW 8270
Acenaphthene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Acenaphthylene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Acetophenone	ND	290	ug/Kg	12/05/12	DD	SW 8270
Aniline	ND	1200	ug/Kg	12/05/12	DD	SW 8270
Anthracene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benz(a)anthracene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benzidine	ND	500	ug/Kg	12/05/12	DD	SW 8270
Benzo(a)pyrene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benzo(b)fluoranthene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Benzoic acid	ND	1200	ug/Kg	12/05/12	DD	SW 8270
Benzyl butyl phthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	410	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	12/05/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Carbazole	ND	620	ug/Kg	12/05/12	DD	SW 8270
Chrysene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Dibenzofuran	ND	290	ug/Kg	12/05/12	DD	SW 8270
Diethyl phthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Dimethylphthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Di-n-butylphthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Di-n-octylphthalate	ND	290	ug/Kg	12/05/12	DD	SW 8270
Fluoranthene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Fluorene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobutadiene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Hexachloroethane	ND	290	ug/Kg	12/05/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Isophorone	ND	290	ug/Kg	12/05/12	DD	SW 8270
Naphthalene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Nitrobenzene	ND	290	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodimethylamine	ND	410	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	410	ug/Kg	12/05/12	DD	SW 8270
Pentachloronitrobenzene	ND	410	ug/Kg	12/05/12	DD	SW 8270
Pentachlorophenol	ND	410	ug/Kg	12/05/12	DD	SW 8270
Phenanthrene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Phenol	ND	290	ug/Kg	12/05/12	DD	SW 8270
Pyrene	ND	290	ug/Kg	12/05/12	DD	SW 8270
Pyridine	ND	410	ug/Kg	12/05/12	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	87		%	12/05/12	DD	30 - 130 %
% 2-Fluorobiphenyl	72		%	12/05/12	DD	40 - 140 %
% 2-Fluorophenol	65		%	12/05/12	DD	30 - 130 %
% Nitrobenzene-d5	74		%	12/05/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	66		%	12/05/12	DD	30 - 130 %
% Terphenyl-d14	88		%	12/05/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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.

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, 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

December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03508

Project ID: 588 MYRTLE AVENUE
 Client ID: B2 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	12/06/12	LK	SW6010
Aluminum	7800	61	mg/Kg	12/06/12	EK	SW6010
Arsenic	13.5	0.8	mg/Kg	12/06/12	LK	SW6010
Barium	323	0.41	mg/Kg	12/06/12	LK	SW6010
Beryllium	0.47	0.32	mg/Kg	12/06/12	LK	SW6010
Calcium	32600	61	mg/Kg	12/06/12	EK	SW6010
Cadmium	0.58	0.41	mg/Kg	12/06/12	LK	SW6010
Cobalt	5.33	0.41	mg/Kg	12/06/12	LK	SW6010
Chromium	32.9	0.41	mg/Kg	12/06/12	LK	SW6010
Copper	111	0.41	mg/kg	12/06/12	LK	SW6010
Iron	33000	61	mg/Kg	12/06/12	EK	SW6010
Mercury	1.40	0.06	mg/Kg	12/05/12	RS	SW-7471
Potassium	1220	6.1	mg/Kg	12/06/12	LK	SW6010
Magnesium	3560	6.1	mg/Kg	12/06/12	LK	SW6010
Manganese	314	4.1	mg/Kg	12/06/12	EK	SW6010
Sodium	379	6.1	mg/Kg	12/06/12	LK	SW6010
Nickel	18.0	0.41	mg/Kg	12/06/12	LK	SW6010
Lead	398	4.1	mg/Kg	12/06/12	EK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	12/06/12	LK	SW6010
Vanadium	26.8	0.41	mg/Kg	12/06/12	LK	SW6010
Zinc	378	4.1	mg/Kg	12/06/12	EK	SW6010
Percent Solid	88		%	12/04/12	JL	E160.3
Total Cyanide	< 0.57	0.57	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/05/12	BJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1221	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1232	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1242	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1248	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1254	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1260	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1262	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1268	ND	76	ug/Kg	12/06/12	AW	SW 8082

QA/QC Surrogates

% DCBP	55		%	12/06/12	AW	30 - 150 %
% TCMX	62		%	12/06/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	11	ug/Kg	12/05/12	MH	SW8081
4,4' -DDE	20	11	ug/Kg	12/05/12	MH	SW8081
4,4' -DDT	54	11	ug/Kg	12/05/12	MH	SW8081
a-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Alachlor	ND*	18	ug/Kg	12/05/12	MH	SW8081
Aldrin	ND*	5.7	ug/Kg	12/05/12	MH	SW8081
b-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Chlordane	300	57	ug/Kg	12/05/12	MH	SW8081
d-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Dieldrin	6.4	5.7	ug/Kg	12/05/12	MH	SW8081
Endosulfan I	ND*	18	ug/Kg	12/05/12	MH	SW8081
Endosulfan II	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endosulfan sulfate	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin aldehyde	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin ketone	ND*	36	ug/Kg	12/05/12	MH	SW8081
g-BHC	ND*	5.7	ug/Kg	12/05/12	MH	SW8081
Heptachlor	ND*	11	ug/Kg	12/05/12	MH	SW8081
Heptachlor epoxide	ND*	18	ug/Kg	12/05/12	MH	SW8081
Methoxychlor	ND*	180	ug/Kg	12/05/12	MH	SW8081
Toxaphene	ND*	180	ug/Kg	12/05/12	MH	SW8081

QA/QC Surrogates

% DCBP	100		%	12/05/12	MH	30 - 150 %
% TCMX	90		%	12/05/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,1,1-Trichloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260

Client ID: B2 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260 1P
1,2,3-Trichloropropane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2-Dibromoethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,3-Dichlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
2-Hexanone	ND	28	ug/Kg	12/06/12	H/J	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260 1
4-Chlorotoluene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/06/12	H/J	SW8260
Acetone	ND	28	ug/Kg	12/06/12	H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	12/06/12	H/J	SW8260
Benzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Bromobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Bromochloromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Bromoform	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Bromomethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Chlorobenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Chloroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Chloroform	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Chloromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260 1
Dibromochloromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Dibromomethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Ethylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260 1P
Isopropylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
m&p-Xylene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	12/06/12	H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/06/12	H/J	SW8260
Methylene chloride	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Naphthalene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
o-Xylene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Styrene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/06/12	H/J	SW8260
Toluene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Total Xylenes	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/06/12	H/J	SW8260
Trichloroethene	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
Vinyl chloride	ND	5.7	ug/Kg	12/06/12	H/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	95		%	12/06/12	H/J	70 - 130 %
% Bromofluorobenzene	88		%	12/06/12	H/J	70 - 130 %
% Dibromofluoromethane	93		%	12/06/12	H/J	70 - 130 %
% Toluene-d8	95		%	12/06/12	H/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	ug/Kg	12/06/12	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,4-Dinitrophenol	ND	600	ug/Kg	12/06/12	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	12/06/12	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	12/06/12	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	12/06/12	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	12/06/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	12/06/12	DD	SW 8270
2-Nitroaniline	ND	600	ug/Kg	12/06/12	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	12/06/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	12/06/12	DD	SW 8270
3-Nitroaniline	ND	600	ug/Kg	12/06/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	12/06/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	12/06/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	12/06/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	12/06/12	DD	SW 8270
4-Nitroaniline	ND	600	ug/Kg	12/06/12	DD	SW 8270

Client ID: B2 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	12/06/12	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Acetophenone	ND	260	ug/Kg	12/06/12	DD	SW 8270
Aniline	ND	1100	ug/Kg	12/06/12	DD	SW 8270
Anthracene	710	260	ug/Kg	12/06/12	DD	SW 8270
Benz(a)anthracene	2100	260	ug/Kg	12/06/12	DD	SW 8270
Benzidine	ND	450	ug/Kg	12/06/12	DD	SW 8270
Benzo(a)pyrene	1700	260	ug/Kg	12/06/12	DD	SW 8270
Benzo(b)fluoranthene	2600	260	ug/Kg	12/06/12	DD	SW 8270
Benzo(ghi)perylene	660	260	ug/Kg	12/06/12	DD	SW 8270
Benzo(k)fluoranthene	660	260	ug/Kg	12/06/12	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	12/06/12	DD	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	12/06/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	12/06/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	12/06/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Carbazole	570	560	ug/Kg	12/06/12	DD	SW 8270
Chrysene	1900	260	ug/Kg	12/06/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	12/06/12	DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	12/06/12	DD	SW 8270
Fluoranthene	4500	260	ug/Kg	12/06/12	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	12/06/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	640	260	ug/Kg	12/06/12	DD	SW 8270
Isophorone	ND	260	ug/Kg	12/06/12	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/06/12	DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	12/06/12	DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	12/06/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	12/06/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	12/06/12	DD	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	12/06/12	DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	12/06/12	DD	SW 8270
Phenanthrene	3600	260	ug/Kg	12/06/12	DD	SW 8270
Phenol	ND	260	ug/Kg	12/06/12	DD	SW 8270
Pyrene	3700	260	ug/Kg	12/06/12	DD	SW 8270
Pyridine	ND	370	ug/Kg	12/06/12	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	79		%	12/06/12	DD	30 - 130 %
% 2-Fluorobiphenyl	79		%	12/06/12	DD	40 - 140 %
% 2-Fluorophenol	73		%	12/06/12	DD	30 - 130 %
% Nitrobenzene-d5	79		%	12/06/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	80		%	12/06/12	DD	30 - 130 %
% Terphenyl-d14	92		%	12/06/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

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

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

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, 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
 December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03509

Project ID: 588 MYRTLE AVENUE
 Client ID: B2 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.48	0.48	mg/Kg	12/06/12	LK	SW6010
Aluminum	19100	72	mg/Kg	12/06/12	EK	SW6010
Arsenic	1.9	1.0	mg/Kg	12/06/12	LK	SW6010
Barium	103	0.48	mg/Kg	12/06/12	LK	SW6010
Beryllium	0.95	0.39	mg/Kg	12/06/12	LK	SW6010
Calcium	1600	7.2	mg/Kg	12/06/12	LK	SW6010
Cadmium	< 0.48	0.48	mg/Kg	12/06/12	LK	SW6010
Cobalt	18.2	0.48	mg/Kg	12/06/12	LK	SW6010
Chromium	68.5	0.48	mg/Kg	12/06/12	LK	SW6010
Copper	34.5	0.48	mg/kg	12/06/12	LK	SW6010
Iron	41600	72	mg/Kg	12/06/12	EK	SW6010
Mercury	< 0.10	0.10	mg/Kg	12/05/12	RS	SW-7471
Potassium	2850	7.2	mg/Kg	12/06/12	LK	SW6010
Magnesium	4900	7.2	mg/Kg	12/06/12	LK	SW6010
Manganese	603	4.8	mg/Kg	12/06/12	EK	SW6010
Sodium	211	7.2	mg/Kg	12/06/12	LK	SW6010
Nickel	26.5	0.48	mg/Kg	12/06/12	LK	SW6010
Lead	14.0	0.48	mg/Kg	12/06/12	LK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.9	1.9	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.8	0.8	mg/Kg	12/06/12	LK	SW6010
Vanadium	81.6	0.48	mg/Kg	12/06/12	LK	SW6010
Zinc	87.0	0.48	mg/Kg	12/06/12	LK	SW6010
Percent Solid	71		%	12/04/12	JL	E160.3
Total Cyanide	< 0.70	0.70	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/04/12	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1221	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1232	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1242	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1248	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1254	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1260	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1262	ND	93	ug/Kg	12/06/12	AW	SW 8082
PCB-1268	ND	93	ug/Kg	12/06/12	AW	SW 8082

QA/QC Surrogates

% DCBP	51		%	12/06/12	AW	30 - 150 %
% TCMX	64		%	12/06/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.8	ug/Kg	12/05/12	MH	SW8081
4,4' -DDE	ND	2.8	ug/Kg	12/05/12	MH	SW8081
4,4' -DDT	ND	2.8	ug/Kg	12/05/12	MH	SW8081
a-BHC	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Alachlor	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Aldrin	ND	1.4	ug/Kg	12/05/12	MH	SW8081
b-BHC	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Chlordane	ND	14	ug/Kg	12/05/12	MH	SW8081
d-BHC	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Dieldrin	ND	1.4	ug/Kg	12/05/12	MH	SW8081
Endosulfan I	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Endosulfan II	ND	9.0	ug/Kg	12/05/12	MH	SW8081
Endosulfan sulfate	ND	9.0	ug/Kg	12/05/12	MH	SW8081
Endrin	ND	9.0	ug/Kg	12/05/12	MH	SW8081
Endrin aldehyde	ND	9.0	ug/Kg	12/05/12	MH	SW8081
Endrin ketone	ND	9.0	ug/Kg	12/05/12	MH	SW8081
g-BHC	ND	1.4	ug/Kg	12/05/12	MH	SW8081
Heptachlor	ND	2.8	ug/Kg	12/05/12	MH	SW8081
Heptachlor epoxide	ND	4.5	ug/Kg	12/05/12	MH	SW8081
Methoxychlor	ND	45	ug/Kg	12/05/12	MH	SW8081
Toxaphene	ND	45	ug/Kg	12/05/12	MH	SW8081

QA/QC Surrogates

% DCBP	74		%	12/05/12	MH	30 - 150 %
% TCMX	52		%	12/05/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260

Client ID: B2 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260 1P
1,2,3-Trichloropropane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
2-Hexanone	ND	35	ug/Kg	12/05/12	R/J	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260 1
4-Chlorotoluene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
4-Methyl-2-pentanone	ND	35	ug/Kg	12/05/12	R/J	SW8260
Acetone	ND	35	ug/Kg	12/05/12	R/J	SW8260
Acrylonitrile	ND	14	ug/Kg	12/05/12	R/J	SW8260
Benzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Bromobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Bromochloromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Bromodichloromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Bromoform	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Bromomethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Carbon Disulfide	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Carbon tetrachloride	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Chlorobenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Chloroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Chloroform	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Chloromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260 1
Dibromochloromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Dibromomethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Dichlorodifluoromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Ethylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Hexachlorobutadiene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260 1P
Isopropylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
m&p-Xylene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Methyl Ethyl Ketone	ND	35	ug/Kg	12/05/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	12/05/12	R/J	SW8260
Methylene chloride	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Naphthalene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
n-Butylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
n-Propylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
o-Xylene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
sec-Butylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Styrene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
tert-Butylbenzene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Tetrachloroethene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Tetrahydrofuran (THF)	ND	14	ug/Kg	12/05/12	R/J	SW8260
Toluene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Total Xylenes	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	12/05/12	R/J	SW8260
Trichloroethene	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Trichlorofluoromethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Trichlorotrifluoroethane	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
Vinyl chloride	ND	7.0	ug/Kg	12/05/12	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	12/05/12	R/J	70 - 130 %
% Bromofluorobenzene	97		%	12/05/12	R/J	70 - 130 %
% Dibromofluoromethane	102		%	12/05/12	R/J	70 - 130 %
% Toluene-d8	105		%	12/05/12	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	460	ug/Kg	12/05/12	DD	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrophenol	ND	740	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	12/05/12	DD	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	12/05/12	DD	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	12/05/12	DD	SW 8270
2-Chlorophenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	12/05/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	12/05/12	DD	SW 8270
2-Nitroaniline	ND	740	ug/Kg	12/05/12	DD	SW 8270
2-Nitrophenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	460	ug/Kg	12/05/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	330	ug/Kg	12/05/12	DD	SW 8270
3-Nitroaniline	ND	740	ug/Kg	12/05/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	460	ug/Kg	12/05/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
4-Chloroaniline	ND	330	ug/Kg	12/05/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	12/05/12	DD	SW 8270
4-Nitroaniline	ND	740	ug/Kg	12/05/12	DD	SW 8270

Client ID: B2 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Acenaphthene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Acenaphthylene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Acetophenone	ND	330	ug/Kg	12/05/12	DD	SW 8270
Aniline	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Anthracene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benz(a)anthracene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benzdine	ND	560	ug/Kg	12/05/12	DD	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benzo(ghi)perylene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Benzoic acid	ND	1300	ug/Kg	12/05/12	DD	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	460	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	12/05/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Carbazole	ND	700	ug/Kg	12/05/12	DD	SW 8270
Chrysene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Dibenzofuran	ND	330	ug/Kg	12/05/12	DD	SW 8270
Diethyl phthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Dimethylphthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Di-n-octylphthalate	ND	330	ug/Kg	12/05/12	DD	SW 8270
Fluoranthene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Fluorene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Hexachloroethane	ND	330	ug/Kg	12/05/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Isophorone	ND	330	ug/Kg	12/05/12	DD	SW 8270
Naphthalene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Nitrobenzene	ND	330	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodimethylamine	ND	460	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	460	ug/Kg	12/05/12	DD	SW 8270
Pentachloronitrobenzene	ND	460	ug/Kg	12/05/12	DD	SW 8270
Pentachlorophenol	ND	460	ug/Kg	12/05/12	DD	SW 8270
Phenanthrene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Phenol	ND	330	ug/Kg	12/05/12	DD	SW 8270
Pyrene	ND	330	ug/Kg	12/05/12	DD	SW 8270
Pyridine	ND	460	ug/Kg	12/05/12	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	86		%	12/05/12	DD	30 - 130 %
% 2-Fluorobiphenyl	78		%	12/05/12	DD	40 - 140 %
% 2-Fluorophenol	69		%	12/05/12	DD	30 - 130 %
% Nitrobenzene-d5	76		%	12/05/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	68		%	12/05/12	DD	30 - 130 %
% Terphenyl-d14	83		%	12/05/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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.

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, 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

December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03510

Project ID: 588 MYRTLE AVENUE
 Client ID: B3 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	12/06/12	LK	SW6010
Aluminum	4810	55	mg/Kg	12/06/12	EK	SW6010
Arsenic	2.5	0.7	mg/Kg	12/06/12	LK	SW6010
Barium	147	0.37	mg/Kg	12/06/12	LK	SW6010
Beryllium	< 0.30	0.30	mg/Kg	12/06/12	LK	SW6010
Calcium	21200	55	mg/Kg	12/06/12	EK	SW6010
Cadmium	1.72	0.37	mg/Kg	12/06/12	LK	SW6010
Cobalt	3.25	0.37	mg/Kg	12/06/12	LK	SW6010
Chromium	19.2	0.37	mg/Kg	12/06/12	LK	SW6010
Copper	429	3.7	mg/kg	12/06/12	EK	SW6010
Iron	10300	55	mg/Kg	12/06/12	EK	SW6010
Mercury	0.25	0.09	mg/Kg	12/05/12	RS	SW-7471
Potassium	449	5.5	mg/Kg	12/06/12	LK	SW6010
Magnesium	1600	5.5	mg/Kg	12/06/12	LK	SW6010
Manganese	210	3.7	mg/Kg	12/06/12	EK	SW6010
Sodium	171	5.5	mg/Kg	12/06/12	LK	SW6010
Nickel	15.0	0.37	mg/Kg	12/06/12	LK	SW6010
Lead	511	3.7	mg/Kg	12/06/12	EK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	12/06/12	LK	SW6010
Vanadium	15.2	0.37	mg/Kg	12/06/12	LK	SW6010
Zinc	444	3.7	mg/Kg	12/06/12	EK	SW6010
Percent Solid	88		%	12/04/12	JL	E160.3
Total Cyanide	< 0.52	0.52	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/04/12	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1221	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1232	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1242	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1248	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1254	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1260	540	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1262	ND	74	ug/Kg	12/06/12	AW	SW 8082
PCB-1268	ND	74	ug/Kg	12/06/12	AW	SW 8082

QA/QC Surrogates

% DCBP	50		%	12/06/12	AW	30 - 150 %
% TCMX	62		%	12/06/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	36	ug/Kg	12/05/12	MH	SW8081
4,4' -DDE	ND*	36	ug/Kg	12/05/12	MH	SW8081
4,4' -DDT	ND*	36	ug/Kg	12/05/12	MH	SW8081
a-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Alachlor	ND*	18	ug/Kg	12/05/12	MH	SW8081
Aldrin	ND*	5.6	ug/Kg	12/05/12	MH	SW8081
b-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Chlordane	ND*	56	ug/Kg	12/05/12	MH	SW8081
d-BHC	ND*	18	ug/Kg	12/05/12	MH	SW8081
Dieldrin	ND*	11	ug/Kg	12/05/12	MH	SW8081
Endosulfan I	ND*	18	ug/Kg	12/05/12	MH	SW8081
Endosulfan II	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endosulfan sulfate	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin aldehyde	ND*	36	ug/Kg	12/05/12	MH	SW8081
Endrin ketone	ND*	36	ug/Kg	12/05/12	MH	SW8081
g-BHC	ND*	5.6	ug/Kg	12/05/12	MH	SW8081
Heptachlor	ND*	11	ug/Kg	12/05/12	MH	SW8081
Heptachlor epoxide	ND*	18	ug/Kg	12/05/12	MH	SW8081
Methoxychlor	ND*	180	ug/Kg	12/05/12	MH	SW8081
Toxaphene	ND*	180	ug/Kg	12/05/12	MH	SW8081

QA/QC Surrogates

% DCBP	99		%	12/05/12	MH	30 - 150 %
% TCMX	84		%	12/05/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,1,1-Trichloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260 1P
1,2,3-Trichloropropane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromoethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
2-Hexanone	ND	28	ug/Kg	12/05/12	R/J	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260 1
4-Chlorotoluene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	12/05/12	R/J	SW8260
Acetone	ND	50	ug/Kg	12/05/12	R/J	SW8260
Acrylonitrile	ND	11	ug/Kg	12/05/12	R/J	SW8260
Benzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Bromobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Bromochloromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Bromoform	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Bromomethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Chlorobenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Chloroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Chloroform	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Chloromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260 1
Dibromochloromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Dibromomethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Ethylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260 1P
Isopropylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
m&p-Xylene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Methyl Ethyl Ketone	ND	28	ug/Kg	12/05/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/05/12	R/J	SW8260
Methylene chloride	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Naphthalene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
o-Xylene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Styrene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/05/12	R/J	SW8260
Toluene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Total Xylenes	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/05/12	R/J	SW8260
Trichloroethene	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
Vinyl chloride	ND	5.7	ug/Kg	12/05/12	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	12/05/12	R/J	70 - 130 %
% Bromofluorobenzene	95		%	12/05/12	R/J	70 - 130 %
% Dibromofluoromethane	62		%	12/05/12	R/J	70 - 130 %
% Toluene-d8	104		%	12/05/12	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	ug/Kg	12/05/12	DD	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrophenol	ND	600	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	12/05/12	DD	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	12/05/12	DD	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	12/05/12	DD	SW 8270
2-Chlorophenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	12/05/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	12/05/12	DD	SW 8270
2-Nitroaniline	ND	600	ug/Kg	12/05/12	DD	SW 8270
2-Nitrophenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	12/05/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260	ug/Kg	12/05/12	DD	SW 8270
3-Nitroaniline	ND	600	ug/Kg	12/05/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	12/05/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	12/05/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
4-Chloroaniline	ND	260	ug/Kg	12/05/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	12/05/12	DD	SW 8270
4-Nitroaniline	ND	600	ug/Kg	12/05/12	DD	SW 8270

Client ID: B3 0-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Acenaphthene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Acenaphthylene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Acetophenone	ND	260	ug/Kg	12/05/12	DD	SW 8270
Aniline	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Anthracene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Benz(a)anthracene	340	260	ug/Kg	12/05/12	DD	SW 8270
Benzidine	ND	450	ug/Kg	12/05/12	DD	SW 8270
Benzo(a)pyrene	360	260	ug/Kg	12/05/12	DD	SW 8270
Benzo(b)fluoranthene	560	260	ug/Kg	12/05/12	DD	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	12/05/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Carbazole	ND	560	ug/Kg	12/05/12	DD	SW 8270
Chrysene	460	260	ug/Kg	12/05/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Dibenzofuran	ND	260	ug/Kg	12/05/12	DD	SW 8270
Diethyl phthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Dimethylphthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	12/05/12	DD	SW 8270
Fluoranthene	650	260	ug/Kg	12/05/12	DD	SW 8270
Fluorene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Hexachloroethane	ND	260	ug/Kg	12/05/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Isophorone	ND	260	ug/Kg	12/05/12	DD	SW 8270
Naphthalene	ND	260	ug/Kg	12/05/12	DD	SW 8270
Nitrobenzene	ND	260	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	12/05/12	DD	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	12/05/12	DD	SW 8270
Pentachlorophenol	ND	370	ug/Kg	12/05/12	DD	SW 8270
Phenanthrene	560	260	ug/Kg	12/05/12	DD	SW 8270
Phenol	ND	260	ug/Kg	12/05/12	DD	SW 8270
Pyrene	570	260	ug/Kg	12/05/12	DD	SW 8270
Pyridine	ND	370	ug/Kg	12/05/12	DD	SW 8270
QA/QC Surrogates						
% 2,4,6-Tribromophenol	16		%	12/05/12	DD	30 - 130 %
% 2-Fluorobiphenyl	85		%	12/05/12	DD	40 - 140 %
% 2-Fluorophenol	48		%	12/05/12	DD	30 - 130 %
% Nitrobenzene-d5	81		%	12/05/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	71		%	12/05/12	DD	30 - 130 %
% Terphenyl-d14	70		%	12/05/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

* For Pesticides, due to matrix interference caused by the presence of PCBs in the samples an elevated MDL was reported.

Poor surrogate recovery was observed for volatiles. Sample was analyzed twice with similar results indicating 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.

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, 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
 December 13, 2012

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

Sample Information

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

Custody Information

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

Date Time
 12/02/12 0:00
 12/04/12 16:53

Laboratory Data

SDG ID: GBD03506
 Phoenix ID: BD03511

Project ID: 588 MYRTLE AVENUE
 Client ID: B3 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	12/06/12	LK	SW6010
Aluminum	9860	55	mg/Kg	12/06/12	EK	SW6010
Arsenic	2.7	0.7	mg/Kg	12/06/12	LK	SW6010
Barium	86.9	0.36	mg/Kg	12/06/12	LK	SW6010
Beryllium	0.54	0.29	mg/Kg	12/06/12	LK	SW6010
Calcium	5270	5.5	mg/Kg	12/06/12	LK	SW6010
Cadmium	1.01	0.36	mg/Kg	12/06/12	LK	SW6010
Cobalt	8.14	0.36	mg/Kg	12/06/12	LK	SW6010
Chromium	28.5	0.36	mg/Kg	12/06/12	LK	SW6010
Copper	35.2	0.36	mg/kg	12/06/12	LK	SW6010
Iron	29000	55	mg/Kg	12/06/12	EK	SW6010
Mercury	0.21	0.09	mg/Kg	12/05/12	RS	SW-7471
Potassium	1960	5.5	mg/Kg	12/06/12	LK	SW6010
Magnesium	3470	5.5	mg/Kg	12/06/12	LK	SW6010
Manganese	411	3.6	mg/Kg	12/06/12	EK	SW6010
Sodium	117	5.5	mg/Kg	12/06/12	LK	SW6010
Nickel	20.5	0.36	mg/Kg	12/06/12	LK	SW6010
Lead	128	0.36	mg/Kg	12/06/12	LK	SW6010
Antimony	< 20	20	mg/Kg	12/06/12	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	12/06/12	LK	SW6010
Thallium	< 0.6	0.6	mg/Kg	12/06/12	LK	SW6010
Vanadium	35.3	0.36	mg/Kg	12/06/12	LK	SW6010
Zinc	317	3.6	mg/Kg	12/06/12	EK	SW6010
Percent Solid	86		%	12/04/12	JL	E160.3
Total Cyanide	< 0.48	0.48	mg/Kg	12/05/12	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/04/12	JB	SW3545
Soil Extraction for Pesticide	Completed			12/04/12	JB/V	SW3545
Soil Extraction for SVOA	Completed			12/04/12	JJ/V	SW3545

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Mercury Digestion	Completed			12/05/12	X/X	SW7471
Total Metals Digest	Completed			12/04/12	AG/JA	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1221	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1232	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1242	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1248	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1254	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1260	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1262	ND	76	ug/Kg	12/06/12	AW	SW 8082
PCB-1268	ND	76	ug/Kg	12/06/12	AW	SW 8082

QA/QC Surrogates

% DCBP	49		%	12/06/12	AW	30 - 150 %
% TCMX	59		%	12/06/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.3	ug/Kg	12/05/12	MH	SW8081
4,4' -DDE	ND	2.3	ug/Kg	12/05/12	MH	SW8081
4,4' -DDT	ND	2.3	ug/Kg	12/05/12	MH	SW8081
a-BHC	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Alachlor	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Aldrin	ND	1.1	ug/Kg	12/05/12	MH	SW8081
b-BHC	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Chlordane	ND	11	ug/Kg	12/05/12	MH	SW8081
d-BHC	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Dieldrin	ND	1.1	ug/Kg	12/05/12	MH	SW8081
Endosulfan I	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Endosulfan II	ND	7.3	ug/Kg	12/05/12	MH	SW8081
Endosulfan sulfate	ND	7.3	ug/Kg	12/05/12	MH	SW8081
Endrin	ND	7.3	ug/Kg	12/05/12	MH	SW8081
Endrin aldehyde	ND	7.3	ug/Kg	12/05/12	MH	SW8081
Endrin ketone	ND	7.3	ug/Kg	12/05/12	MH	SW8081
g-BHC	ND	1.1	ug/Kg	12/05/12	MH	SW8081
Heptachlor	ND	2.3	ug/Kg	12/05/12	MH	SW8081
Heptachlor epoxide	ND	3.6	ug/Kg	12/05/12	MH	SW8081
Methoxychlor	ND	36	ug/Kg	12/05/12	MH	SW8081
Toxaphene	ND	36	ug/Kg	12/05/12	MH	SW8081

QA/QC Surrogates

% DCBP	70		%	12/05/12	MH	30 - 150 %
% TCMX	50		%	12/05/12	MH	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,1,1-Trichloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,1-Dichloroethene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,1-Dichloropropene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260 1P
1,2,3-Trichloropropane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2-Dibromoethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,2-Dichloropropane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,3-Dichloropropane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
2,2-Dichloropropane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
2-Chlorotoluene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
2-Hexanone	ND	29	ug/Kg	12/05/12	R/J	SW8260
2-Isopropyltoluene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260 1
4-Chlorotoluene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
4-Methyl-2-pentanone	ND	29	ug/Kg	12/05/12	R/J	SW8260
Acetone	ND	29	ug/Kg	12/05/12	R/J	SW8260
Acrylonitrile	ND	12	ug/Kg	12/05/12	R/J	SW8260
Benzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Bromobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Bromochloromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Bromodichloromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Bromoform	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Bromomethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Carbon Disulfide	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Carbon tetrachloride	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Chlorobenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Chloroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Chloroform	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Chloromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260 1
Dibromochloromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Dibromomethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Ethylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Hexachlorobutadiene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260 1P
Isopropylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
m&p-Xylene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Methyl Ethyl Ketone	ND	29	ug/Kg	12/05/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	12/05/12	R/J	SW8260
Methylene chloride	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Naphthalene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
n-Butylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
n-Propylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
o-Xylene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
p-Isopropyltoluene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
sec-Butylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Styrene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
tert-Butylbenzene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Tetrachloroethene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	12/05/12	R/J	SW8260
Toluene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Total Xylenes	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	12/05/12	R/J	SW8260
Trichloroethene	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Trichlorofluoromethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
Vinyl chloride	ND	5.8	ug/Kg	12/05/12	R/J	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	12/05/12	R/J	70 - 130 %
% Bromofluorobenzene	97		%	12/05/12	R/J	70 - 130 %
% Dibromofluoromethane	101		%	12/05/12	R/J	70 - 130 %
% Toluene-d8	105		%	12/05/12	R/J	70 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
1,2,4-Trichlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
1,2-Dichlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	ug/Kg	12/05/12	DD	SW 8270
1,3-Dichlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
1,4-Dichlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,4-Dichlorophenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,4-Dimethylphenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrophenol	ND	610	ug/Kg	12/05/12	DD	SW 8270
2,4-Dinitrotoluene	ND	270	ug/Kg	12/05/12	DD	SW 8270
2,6-Dinitrotoluene	ND	270	ug/Kg	12/05/12	DD	SW 8270
2-Chloronaphthalene	ND	270	ug/Kg	12/05/12	DD	SW 8270
2-Chlorophenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
2-Methylnaphthalene	ND	270	ug/Kg	12/05/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	270	ug/Kg	12/05/12	DD	SW 8270
2-Nitroaniline	ND	610	ug/Kg	12/05/12	DD	SW 8270
2-Nitrophenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	12/05/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	270	ug/Kg	12/05/12	DD	SW 8270
3-Nitroaniline	ND	610	ug/Kg	12/05/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	12/05/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	380	ug/Kg	12/05/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
4-Chloroaniline	ND	270	ug/Kg	12/05/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	12/05/12	DD	SW 8270
4-Nitroaniline	ND	610	ug/Kg	12/05/12	DD	SW 8270

Client ID: B3 7-9

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Nitrophenol	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Acenaphthene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Acenaphthylene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Acetophenone	ND	270	ug/Kg	12/05/12	DD	SW 8270
Aniline	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Anthracene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benz(a)anthracene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benzidine	ND	460	ug/Kg	12/05/12	DD	SW 8270
Benzo(a)pyrene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benzo(b)fluoranthene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benzo(ghi)perylene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benzo(k)fluoranthene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Benzoic acid	ND	1100	ug/Kg	12/05/12	DD	SW 8270
Benzyl butyl phthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	380	ug/Kg	12/05/12	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	12/05/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Carbazole	ND	570	ug/Kg	12/05/12	DD	SW 8270
Chrysene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Dibenzofuran	ND	270	ug/Kg	12/05/12	DD	SW 8270
Diethyl phthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Dimethylphthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Di-n-butylphthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Di-n-octylphthalate	ND	270	ug/Kg	12/05/12	DD	SW 8270
Fluoranthene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Fluorene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Hexachlorobutadiene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Hexachloroethane	ND	270	ug/Kg	12/05/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Isophorone	ND	270	ug/Kg	12/05/12	DD	SW 8270
Naphthalene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Nitrobenzene	ND	270	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodimethylamine	ND	380	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	12/05/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	380	ug/Kg	12/05/12	DD	SW 8270
Pentachloronitrobenzene	ND	380	ug/Kg	12/05/12	DD	SW 8270
Pentachlorophenol	ND	380	ug/Kg	12/05/12	DD	SW 8270
Phenanthrene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Phenol	ND	270	ug/Kg	12/05/12	DD	SW 8270
Pyrene	ND	270	ug/Kg	12/05/12	DD	SW 8270
Pyridine	ND	380	ug/Kg	12/05/12	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	96		%	12/05/12	DD	30 - 130 %
% 2-Fluorobiphenyl	82		%	12/05/12	DD	40 - 140 %
% 2-Fluorophenol	69		%	12/05/12	DD	30 - 130 %
% Nitrobenzene-d5	80		%	12/05/12	DD	40 - 140 %

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Phenol-d5	71		%	12/05/12	DD	30 - 130 %
% Terphenyl-d14	79		%	12/05/12	DD	40 - 140 %

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

1P = This parameter is pending certification by NY NELAC for this matrix.

1O = This parameter is not certified by NY NELAC for this matrix.

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.

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Phyllis Shiller, Laboratory Director

December 13, 2012

Reviewed and Released by: Johanna Harrington, Project Manager



Environmental Laboratories, Inc.
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QA/QC Report

December 13, 2012

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 215384, QC Sample No: BD02095 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)												
Mercury - Soil	BRL	<0.08	<0.08	NC	96.0	93.8	2.3	103	95.9	7.1	70 - 130	30
QA/QC Batch 215349, QC Sample No: BD02935 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)												
<u>ICP Metals - Soil</u>												
Aluminum	BRL	7020	7290	3.80	123	121	1.6	NC	NC	NC	75 - 125	30
Antimony	BRL	<4.8	<4.8	NC	89.0	80.0	10.7	92.4	93.3	1.0	75 - 125	30
Arsenic	BRL	4.7	3.33	NC	101	97.0	4.0	94.7	92.6	2.2	75 - 125	30
Barium	BRL	63.6	55.4	13.8	108	104	3.8	121	105	14.2	75 - 125	30
Beryllium	BRL	<0.38	<0.38	NC	111	104	6.5	101	99.7	1.3	75 - 125	30
Cadmium	BRL	<0.48	<0.48	NC	119	108	9.7	102	101	1.0	75 - 125	30
Calcium	BRL	9000	9910	9.60	106	97.8	8.0	NC	NC	NC	75 - 125	30
Chromium	BRL	12.3	11.3	8.50	117	110	6.2	105	103	1.9	75 - 125	30
Cobalt	BRL	6.40	5.90	8.10	111	105	5.6	99.8	98.1	1.7	75 - 125	30
Copper	BRL	11.9	9.02	27.5	118	109	7.9	111	109	1.8	75 - 125	30
Iron	BRL	30700	27800	9.90	115	122	5.9	NC	NC	NC	75 - 125	30
Lead	BRL	17.9	13.5	28.0	106	102	3.8	98.4	96.5	1.9	75 - 125	30
Magnesium	BRL	8680	9440	8.40	111	107	3.7	NC	NC	NC	75 - 125	30
Manganese	BRL	271	253	6.90	109	112	2.7	>130	80.9	NC	75 - 125	30 m
Nickel	BRL	12.1	10.1	18.0	116	106	9.0	100	98.4	1.6	75 - 125	30
Potassium	BRL	1380	1370	0.70	117	114	2.6	>130	>130	NC	75 - 125	30 m
Selenium	BRL	<1.9	<1.9	NC	109	104	4.7	91.6	92.3	0.8	75 - 125	30
Silver	BRL	<0.48	<0.48	NC	110	104	5.6	105	104	1.0	75 - 125	30
Sodium	BRL	84.8	96.3	12.7	>130	127	NC	>130	>130	NC	75 - 125	30 l,m
Thallium	BRL	<4.3	<4.3	NC	105	101	3.9	96.1	95.4	0.7	75 - 125	30
Vanadium	BRL	13.0	12.6	3.10	117	115	1.7	103	101	2.0	75 - 125	30
Zinc	BRL	53.5	55.4	3.50	111	106	4.6	105	99.5	5.4	75 - 125	30

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



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QA/QC Report

December 13, 2012

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 215487, QC Sample No: BD02808 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)												
Total Cyanide	BRL	<0.49	<0.54	NC	95.9			95.5			85 - 115	30



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QA/QC Report

December 13, 2012

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 215205, QC Sample No: BD02212 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)									
<u>Pesticides - Soil</u>									
4,4' -DDD	ND	78	86	9.8	76	80	5.1	40 - 140	30
4,4' -DDE	ND	80	90	11.8	78	87	10.9	40 - 140	30
4,4' -DDT	ND	91	100	9.4	89	94	5.5	40 - 140	30
a-BHC	ND	80	89	10.7	75	84	11.3	40 - 140	30
a-Chlordane	ND	77	88	13.3	72	80	10.5	40 - 140	30
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
Aldrin	ND	77	88	13.3	73	81	10.4	40 - 140	30
b-BHC	ND	71	84	16.8	69	78	12.2	40 - 140	30
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
d-BHC	ND	72	83	14.2	70	77	9.5	40 - 140	30
Dieldrin	ND	81	92	12.7	75	84	11.3	40 - 140	30
Endosulfan I	ND	77	88	13.3	75	83	10.1	40 - 140	30
Endosulfan II	ND	69	77	11.0	77	81	5.1	40 - 140	30
Endosulfan sulfate	ND	67	78	15.2	74	77	4.0	40 - 140	30
Endrin	ND	85	94	10.1	80	89	10.7	40 - 140	30
Endrin aldehyde	ND	70	80	13.3	85	86	1.2	40 - 140	30
Endrin ketone	ND	88	97	9.7	91	96	5.3	40 - 140	30
g-BHC	ND	77	86	11.0	73	81	10.4	40 - 140	30
g-Chlordane	ND	75	87	14.8	71	79	10.7	40 - 140	30
Heptachlor	ND	79	89	11.9	75	83	10.1	40 - 140	30
Heptachlor epoxide	ND	76	87	13.5	71	80	11.9	40 - 140	30
Methoxychlor	ND	104	115	10.0	99	105	5.9	40 - 140	30
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30
% DCBP	92	91	109	18.0	90	96	6.5	30 - 150	30
% TCMX	77	80	89	10.7	76	84	10.0	30 - 150	30

QA/QC Batch 215321, QC Sample No: BD02849 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	77	66	15.4	69	63	9.1	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	80	68	16.2	75	75	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	75	82	73	11.6	71	69	2.9	30 - 150	30
% TCMX (Surrogate Rec)	68	85	76	11.2	77	76	1.3	30 - 150	30

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 215343, QC Sample No: BD03289 (BD03506, BD03507, BD03508, BD03509, BD03510, BD03511)										
Semivolatiles - Soil										
1,2,4,5-Tetrachlorobenzene	ND	85	84	1.2	90	88	2.2	30 - 130	30	
1,2,4-Trichlorobenzene	ND	78	78	0.0	82	81	1.2	30 - 130	30	
1,2-Dichlorobenzene	ND	72	71	1.4	76	76	0.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	83	81	2.4	88	86	2.3	30 - 130	30	
1,3-Dichlorobenzene	ND	69	68	1.5	73	73	0.0	30 - 130	30	
1,4-Dichlorobenzene	ND	70	70	0.0	75	76	1.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	80	79	1.3	94	93	1.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	79	77	2.6	97	96	1.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	85	0.0	92	89	3.3	30 - 130	30	
2,4-Dimethylphenol	ND	52	51	1.9	61	59	3.3	30 - 130	30	
2,4-Dinitrophenol	ND	5.0	<5	NC	12	7.7	43.7	30 - 130	30	I,m,r
2,4-Dinitrotoluene	ND	87	84	3.5	85	84	1.2	30 - 130	30	
2,6-Dinitrotoluene	ND	83	82	1.2	84	85	1.2	30 - 130	30	
2-Chloronaphthalene	ND	78	77	1.3	86	85	1.2	30 - 130	30	
2-Chlorophenol	ND	74	73	1.4	82	80	2.5	30 - 130	30	
2-Methylnaphthalene	ND	79	79	0.0	87	86	1.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	79	78	1.3	82	80	2.5	30 - 130	30	
2-Nitroaniline	ND	>150	>150	NC	>150	>150	NC	30 - 130	30	I,m
2-Nitrophenol	ND	85	83	2.4	84	78	7.4	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	77	76	1.3	86	84	2.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	119	119	0.0	125	132	5.4	30 - 130	30	m
3-Nitroaniline	ND	86	82	4.8	101	103	2.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	47	42	11.2	34	37	8.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	83	84	1.2	92	93	1.1	30 - 130	30	
4-Chloro-3-methylphenol	ND	91	90	1.1	94	93	1.1	30 - 130	30	
4-Chloroaniline	ND	76	76	0.0	109	114	4.5	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	88	86	2.3	91	90	1.1	30 - 130	30	
4-Nitroaniline	ND	90	87	3.4	89	87	2.3	30 - 130	30	
4-Nitrophenol	ND	93	82	12.6	111	107	3.7	30 - 130	30	
Acenaphthene	ND	77	76	1.3	89	89	0.0	30 - 130	30	
Acenaphthylene	ND	77	76	1.3	96	97	1.0	30 - 130	30	
Acetophenone	ND	80	79	1.3	80	79	1.3	30 - 130	30	
Aniline	ND	76	75	1.3	112	107	4.6	30 - 130	30	
Anthracene	ND	82	81	1.2	94	99	5.2	30 - 130	30	
Benz(a)anthracene	ND	79	78	1.3	110	108	1.8	30 - 130	30	
Benzidine	ND	38	33	14.1	26	32	20.7	30 - 130	30	m
Benzo(a)pyrene	ND	77	76	1.3	99	96	3.1	30 - 130	30	
Benzo(b)fluoranthene	ND	83	84	1.2	134	135	0.7	30 - 130	30	m
Benzo(ghi)perylene	ND	86	84	2.4	78	82	5.0	30 - 130	30	
Benzo(k)fluoranthene	ND	83	78	6.2	77	>150	NC	30 - 130	30	m
Benzyl butyl phthalate	ND	76	81	6.4	94	93	1.1	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	82	81	1.2	84	83	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	69	69	0.0	72	73	1.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	77	76	1.3	81	80	1.2	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	82	86	4.8	95	93	2.1	30 - 130	30	
Carbazole	ND	109	104	4.7	136	141	3.6	30 - 130	30	m
Chrysene	ND	78	79	1.3	97	102	5.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	93	90	3.3	88	92	4.4	30 - 130	30	
Dibenzofuran	ND	81	78	3.8	86	85	1.2	30 - 130	30	
Diethyl phthalate	ND	86	86	0.0	94	93	1.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dimethylphthalate	ND	82	82	0.0	91	89	2.2	30 - 130	30
Di-n-butylphthalate	ND	79	81	2.5	87	89	2.3	30 - 130	30
Di-n-octylphthalate	ND	82	86	4.8	92	93	1.1	30 - 130	30
Fluoranthene	ND	81	78	3.8	114	124	8.4	30 - 130	30
Fluorene	ND	87	85	2.3	91	91	0.0	30 - 130	30
Hexachlorobenzene	ND	86	90	4.5	65	69	6.0	30 - 130	30
Hexachlorobutadiene	ND	83	83	0.0	86	85	1.2	30 - 130	30
Hexachlorocyclopentadiene	ND	84	78	7.4	20	21	4.9	30 - 130	30
Hexachloroethane	ND	73	73	0.0	62	62	0.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	90	87	3.4	85	89	4.6	30 - 130	30
Isophorone	ND	86	86	0.0	88	86	2.3	30 - 130	30
Naphthalene	ND	66	66	0.0	69	67	2.9	30 - 130	30
Nitrobenzene	ND	79	77	2.6	83	83	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	71	71	0.0	68	66	3.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	82	80	2.5	80	78	2.5	30 - 130	30
N-Nitrosodiphenylamine	ND	89	87	2.3	102	101	1.0	30 - 130	30
Pentachloronitrobenzene	ND	87	89	2.3	87	92	5.6	30 - 130	30
Pentachlorophenol	ND	57	56	1.8	88	88	0.0	30 - 130	30
Phenanthrene	ND	82	82	0.0	98	102	4.0	30 - 130	30
Phenol	ND	84	83	1.2	81	81	0.0	30 - 130	30
Pyrene	ND	82	78	5.0	114	123	7.6	30 - 130	30
Pyridine	ND	55	55	0.0	58	59	1.7	30 - 130	30
% 2,4,6-Tribromophenol	93	92	93	1.1	103	101	2.0	30 - 130	30
% 2-Fluorobiphenyl	78	76	75	1.3	81	83	2.4	40 - 140	30
% 2-Fluorophenol	73	75	74	1.3	81	79	2.5	30 - 130	30
% Nitrobenzene-d5	76	76	76	0.0	79	79	0.0	40 - 140	30
% Phenol-d5	77	78	77	1.3	87	87	0.0	30 - 130	30
% Terphenyl-d14	76	86	79	8.5	92	96	4.3	40 - 140	30

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QA/QC Batch , QC Sample No: BD03506 (BD03506 (50, 1X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	108			101	99	2.0	70 - 130	30
1,1,1-Trichloroethane	ND	104			100	98	2.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	100			89	97	8.6	70 - 130	30
1,1,2-Trichloroethane	ND	103			99	103	4.0	70 - 130	30
1,1-Dichloroethane	ND	102			100	99	1.0	70 - 130	30
1,1-Dichloroethene	ND	110			105	86	19.9	70 - 130	30
1,1-Dichloropropene	ND	102			109	106	2.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	97			94	110	15.7	70 - 130	30
1,2,3-Trichloropropane	ND	105			104	90	14.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	95			91	102	11.4	70 - 130	30
1,2,4-Trimethylbenzene	ND	107			104	101	2.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	108			91	99	8.4	70 - 130	30
1,2-Dibromoethane	ND	101			99	105	5.9	70 - 130	30
1,2-Dichlorobenzene	ND	102			102	100	2.0	70 - 130	30
1,2-Dichloroethane	ND	99			99	102	3.0	70 - 130	30
1,2-Dichloropropane	ND	101			103	102	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	105			105	100	4.9	70 - 130	30
1,3-Dichlorobenzene	ND	103			103	100	3.0	70 - 130	30
1,3-Dichloropropane	ND	104			101	104	2.9	70 - 130	30
1,4-Dichlorobenzene	ND	100			101	98	3.0	70 - 130	30
2,2-Dichloropropane	ND	105			87	85	2.3	70 - 130	30
2-Chlorotoluene	ND	100			103	99	4.0	70 - 130	30

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCS D %	LCS RPD	MS %	MS D %	MS RPD	% Rec Limits	% RPD Limits	
2-Hexanone	ND	64			61	57	6.8	70 - 130	30	I,m
2-Isopropyltoluene	ND	105			108	103	4.7	70 - 130	30	
4-Chlorotoluene	ND	100			103	99	4.0	70 - 130	30	
4-Methyl-2-pentanone	ND	95			84	91	8.0	70 - 130	30	
Acetone	ND	58			64	43	39.3	70 - 130	30	I,m,r
Acrylonitrile	ND	98			91	104	13.3	70 - 130	30	
Benzene	ND	103			106	104	1.9	70 - 130	30	
Bromobenzene	ND	105			104	103	1.0	70 - 130	30	
Bromochloromethane	ND	104			103	102	1.0	70 - 130	30	
Bromodichloromethane	ND	104			97	96	1.0	70 - 130	30	
Bromoform	ND	115			87	89	2.3	70 - 130	30	
Bromomethane	ND	114			66	77	15.4	70 - 130	30	m
Carbon Disulfide	ND	111			103	83	21.5	70 - 130	30	
Carbon tetrachloride	ND	106			96	93	3.2	70 - 130	30	
Chlorobenzene	ND	104			106	104	1.9	70 - 130	30	
Chloroethane	ND	115			<40	<40	NC	70 - 130	30	m
Chloroform	ND	100			97	98	1.0	70 - 130	30	
Chloromethane	ND	103			102	106	3.8	70 - 130	30	
cis-1,2-Dichloroethene	ND	105			104	101	2.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	103			94	97	3.1	70 - 130	30	
Dibromochloromethane	ND	110			93	93	0.0	70 - 130	30	
Dibromomethane	ND	102			98	104	5.9	70 - 130	30	
Dichlorodifluoromethane	ND	106			104	107	2.8	70 - 130	30	
Ethylbenzene	ND	103			109	104	4.7	70 - 130	30	
Hexachlorobutadiene	ND	96			103	110	6.6	70 - 130	30	
Isopropylbenzene	ND	108			108	102	5.7	70 - 130	30	
m&p-Xylene	ND	102			107	102	4.8	70 - 130	30	
Methyl ethyl ketone	ND	51			59	54	8.8	70 - 130	30	I,m
Methyl t-butyl ether (MTBE)	ND	91			88	103	15.7	70 - 130	30	
Methylene chloride	ND	92			>150	>150	NC	70 - 130	30	m
Naphthalene	ND	97			77	116	40.4	70 - 130	30	r
n-Butylbenzene	ND	100			102	98	4.0	70 - 130	30	
n-Propylbenzene	ND	108			107	101	5.8	70 - 130	30	
o-Xylene	ND	102			108	104	3.8	70 - 130	30	
p-Isopropyltoluene	ND	107			107	101	5.8	70 - 130	30	
sec-Butylbenzene	ND	104			108	102	5.7	70 - 130	30	
Styrene	ND	98			105	102	2.9	70 - 130	30	
tert-Butylbenzene	ND	107			109	103	5.7	70 - 130	30	
Tetrachloroethene	ND	106			113	107	5.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	97			87	96	9.8	70 - 130	30	
Toluene	ND	102			105	103	1.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	93			93	101	8.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	100			90	94	4.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	110			74	81	9.0	70 - 130	30	
Trichloroethene	ND	105			113	107	5.5	70 - 130	30	
Trichlorofluoromethane	ND	113			<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	110			103	85	19.1	70 - 130	30	
Vinyl chloride	ND	101			88	95	7.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	100			99	100	1.0	70 - 130	30	
% Bromofluorobenzene	99	98			101	101	0.0	70 - 130	30	
% Dibromofluoromethane	99	99			96	98	2.1	70 - 130	30	
% Toluene-d8	101	98			97	99	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCS D %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 215532, QC Sample No: BD03507 (BD03507, BD03509, BD03510, BD03511)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	97	95	2.1	92	97	5.3	70 - 130	30	
1,1,1-Trichloroethane	ND	93	92	1.1	93	96	3.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	90	90	0.0	93	92	1.1	70 - 130	30	
1,1,2-Trichloroethane	ND	98	100	2.0	97	94	3.1	70 - 130	30	
1,1-Dichloroethane	ND	92	92	0.0	96	95	1.0	70 - 130	30	
1,1-Dichloroethene	ND	90	83	8.1	87	98	11.9	70 - 130	30	
1,1-Dichloropropene	ND	97	95	2.1	93	98	5.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	93	100	7.3	85	81	4.8	70 - 130	30	
1,2,3-Trichloropropane	ND	97	80	19.2	80	97	19.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	90	92	2.2	80	79	1.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	96	90	6.5	86	92	6.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	97	102	5.0	95	91	4.3	70 - 130	30	
1,2-Dibromoethane	ND	94	99	5.2	97	91	6.4	70 - 130	30	
1,2-Dichlorobenzene	ND	94	92	2.2	88	92	4.4	70 - 130	30	
1,2-Dichloroethane	ND	90	93	3.3	94	90	4.3	70 - 130	30	
1,2-Dichloropropane	ND	94	95	1.1	96	95	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	94	88	6.6	85	93	9.0	70 - 130	30	
1,3-Dichlorobenzene	ND	96	91	5.3	86	92	6.7	70 - 130	30	
1,3-Dichloropropane	ND	95	96	1.0	94	93	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	93	89	4.4	84	89	5.8	70 - 130	30	
2,2-Dichloropropane	ND	92	91	1.1	84	86	2.4	70 - 130	30	
2-Chlorotoluene	ND	93	88	5.5	87	93	6.7	70 - 130	30	
2-Hexanone	ND	54	58	7.1	67	57	16.1	70 - 130	30	I,m
2-Isopropyltoluene	ND	95	89	6.5	88	95	7.7	70 - 130	30	
4-Chlorotoluene	ND	93	88	5.5	87	93	6.7	70 - 130	30	
4-Methyl-2-pentanone	ND	86	93	7.8	90	79	13.0	70 - 130	30	
Acetone	ND	46	43	6.7	63	56	11.8	70 - 130	30	I,m
Acrylonitrile	ND	89	100	11.6	96	84	13.3	70 - 130	30	
Benzene	ND	96	95	1.0	96	97	1.0	70 - 130	30	
Bromobenzene	ND	97	92	5.3	90	95	5.4	70 - 130	30	
Bromochloromethane	ND	97	99	2.0	97	97	0.0	70 - 130	30	
Bromodichloromethane	ND	93	93	0.0	93	93	0.0	70 - 130	30	
Bromoform	ND	92	95	3.2	92	95	3.2	70 - 130	30	
Bromomethane	ND	85	61	32.9	69	94	30.7	70 - 130	30	I,m,r
Carbon Disulfide	ND	88	79	10.8	83	95	13.5	70 - 130	30	
Carbon tetrachloride	ND	94	89	5.5	90	97	7.5	70 - 130	30	
Chlorobenzene	ND	95	93	2.1	90	94	4.3	70 - 130	30	
Chloroethane	ND	92	75	20.4	82	99	18.8	70 - 130	30	
Chloroform	ND	90	92	2.2	95	94	1.1	70 - 130	30	
Chloromethane	ND	87	92	5.6	95	91	4.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	95	97	2.1	96	96	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	93	95	2.1	93	92	1.1	70 - 130	30	
Dibromochloromethane	ND	95	96	1.0	93	94	1.1	70 - 130	30	
Dibromomethane	ND	94	98	4.2	97	90	7.5	70 - 130	30	
Dichlorodifluoromethane	ND	94	96	2.1	93	96	3.2	70 - 130	30	
Ethylbenzene	ND	94	91	3.2	90	95	5.4	70 - 130	30	
Hexachlorobutadiene	ND	90	90	0.0	79	84	6.1	70 - 130	30	
Isopropylbenzene	ND	98	90	8.5	89	97	8.6	70 - 130	30	
m&p-Xylene	ND	93	91	2.2	88	93	5.5	70 - 130	30	
Methyl ethyl ketone	ND	45	50	10.5	70	55	24.0	70 - 130	30	I,m

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methyl t-butyl ether (MTBE)	ND	78	106	30.4	107	76	33.9	70 - 130	30
Methylene chloride	ND	83	78	6.2	76	83	8.8	70 - 130	30
Naphthalene	ND	91	114	22.4	98	78	22.7	70 - 130	30
n-Butylbenzene	ND	92	86	6.7	78	87	10.9	70 - 130	30
n-Propylbenzene	ND	99	92	7.3	85	94	10.1	70 - 130	30
o-Xylene	ND	93	90	3.3	90	93	3.3	70 - 130	30
p-Isopropyltoluene	ND	98	90	8.5	83	92	10.3	70 - 130	30
sec-Butylbenzene	ND	93	87	6.7	84	93	10.2	70 - 130	30
Styrene	ND	89	89	0.0	89	94	5.5	70 - 130	30
tert-Butylbenzene	ND	98	90	8.5	89	97	8.6	70 - 130	30
Tetrachloroethene	ND	101	95	6.1	87	95	8.8	70 - 130	30
Tetrahydrofuran (THF)	ND	84	96	13.3	95	82	14.7	70 - 130	30
Toluene	ND	94	93	1.1	93	95	2.1	70 - 130	30
trans-1,2-Dichloroethene	ND	75	103	31.5	108	77	33.5	70 - 130	30
trans-1,3-Dichloropropene	ND	91	95	4.3	92	88	4.4	70 - 130	30
trans-1,4-dichloro-2-butene	ND	91	98	7.4	90	82	9.3	70 - 130	30
Trichloroethene	ND	100	97	3.0	95	97	2.1	70 - 130	30
Trichlorofluoromethane	ND	92	87	5.6	85	92	7.9	70 - 130	30
Trichlorotrifluoroethane	ND	89	84	5.8	82	92	11.5	70 - 130	30
Vinyl chloride	ND	82	87	5.9	95	87	8.8	70 - 130	30
% 1,2-dichlorobenzene-d4	100	100	99	1.0	101	99	2.0	70 - 130	30
% Bromofluorobenzene	98	97	100	3.0	99	97	2.0	70 - 130	30
% Dibromofluoromethane	101	98	100	2.0	100	101	1.0	70 - 130	30
% Toluene-d8	104	99	99	0.0	101	100	1.0	70 - 130	30

QA/QC Batch 215900, QC Sample No: BD03508 (BD03508)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	106	103	2.9				70 - 130	30
1,1,1-Trichloroethane	ND	108	113	4.5				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	90	87	3.4				70 - 130	30
1,1,2-Trichloroethane	ND	101	101	0.0				70 - 130	30
1,1-Dichloroethane	ND	107	111	3.7				70 - 130	30
1,1-Dichloroethene	ND	104	111	6.5				70 - 130	30
1,1-Dichloropropene	ND	100	105	4.9				70 - 130	30
1,2,3-Trichlorobenzene	ND	86	90	4.5				70 - 130	30
1,2,3-Trichloropropane	ND	98	94	4.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	85	87	2.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	102	99	3.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	98	103	5.0				70 - 130	30
1,2-Dibromoethane	ND	101	100	1.0				70 - 130	30
1,2-Dichlorobenzene	ND	95	96	1.0				70 - 130	30
1,2-Dichloroethane	ND	107	108	0.9				70 - 130	30
1,2-Dichloropropane	ND	104	106	1.9				70 - 130	30
1,3,5-Trimethylbenzene	ND	102	99	3.0				70 - 130	30
1,3-Dichlorobenzene	ND	95	94	1.1				70 - 130	30
1,3-Dichloropropane	ND	102	99	3.0				70 - 130	30
1,4-Dichlorobenzene	ND	94	94	0.0				70 - 130	30
2,2-Dichloropropane	ND	105	109	3.7				70 - 130	30
2-Chlorotoluene	ND	102	100	2.0				70 - 130	30
2-Hexanone	ND	67	64	4.6				70 - 130	30
2-Isopropyltoluene	ND	99	101	2.0				70 - 130	30
4-Chlorotoluene	ND	94	92	2.2				70 - 130	30
4-Methyl-2-pentanone	ND	95	93	2.1				70 - 130	30

QA/QC Data

SDG I.D.: GBD03506

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acetone	ND	60	68	12.5				70 - 130	30
Acrylonitrile	ND	97	101	4.0				70 - 130	30
Benzene	ND	104	106	1.9				70 - 130	30
Bromobenzene	ND	97	99	2.0				70 - 130	30
Bromochloromethane	ND	100	105	4.9				70 - 130	30
Bromodichloromethane	ND	107	109	1.9				70 - 130	30
Bromoform	ND	105	103	1.9				70 - 130	30
Bromomethane	ND	119	92	25.6				70 - 130	30
Carbon Disulfide	ND	101	108	6.7				70 - 130	30
Carbon tetrachloride	ND	105	112	6.5				70 - 130	30
Chlorobenzene	ND	102	101	1.0				70 - 130	30
Chloroethane	ND	106	113	6.4				70 - 130	30
Chloroform	ND	105	110	4.7				70 - 130	30
Chloromethane	ND	102	109	6.6				70 - 130	30
cis-1,2-Dichloroethene	ND	104	109	4.7				70 - 130	30
cis-1,3-Dichloropropene	ND	102	101	1.0				70 - 130	30
Dibromochloromethane	ND	109	104	4.7				70 - 130	30
Dibromomethane	ND	101	105	3.9				70 - 130	30
Dichlorodifluoromethane	ND	91	97	6.4				70 - 130	30
Ethylbenzene	ND	99	100	1.0				70 - 130	30
Hexachlorobutadiene	ND	90	97	7.5				70 - 130	30
Isopropylbenzene	ND	102	104	1.9				70 - 130	30
m&p-Xylene	ND	98	96	2.1				70 - 130	30
Methyl ethyl ketone	ND	58	60	3.4				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	99	96	3.1				70 - 130	30
Methylene chloride	ND	98	102	4.0				70 - 130	30
Naphthalene	ND	88	91	3.4				70 - 130	30
n-Butylbenzene	ND	95	96	1.0				70 - 130	30
n-Propylbenzene	ND	101	104	2.9				70 - 130	30
o-Xylene	ND	106	103	2.9				70 - 130	30
p-Isopropyltoluene	ND	100	99	1.0				70 - 130	30
sec-Butylbenzene	ND	98	100	2.0				70 - 130	30
Styrene	ND	101	99	2.0				70 - 130	30
tert-Butylbenzene	ND	101	104	2.9				70 - 130	30
Tetrachloroethene	ND	98	99	1.0				70 - 130	30
Tetrahydrofuran (THF)	ND	97	100	3.0				70 - 130	30
Toluene	ND	103	103	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	105	111	5.6				70 - 130	30
trans-1,3-Dichloropropene	ND	104	103	1.0				70 - 130	30
trans-1,4-dichloro-2-butene	ND	99	95	4.1				70 - 130	30
Trichloroethene	ND	106	109	2.8				70 - 130	30
Trichlorofluoromethane	ND	114	127	10.8				70 - 130	30
Trichlorotrifluoroethane	ND	104	112	7.4				70 - 130	30
Vinyl chloride	ND	103	111	7.5				70 - 130	30
% 1,2-dichlorobenzene-d4	97	101	100	1.0				70 - 130	30
% Bromofluorobenzene	96	100	100	0.0				70 - 130	30
% Dibromofluoromethane	90	95	96	1.0				70 - 130	30
% Toluene-d8	98	100	101	1.0				70 - 130	30

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

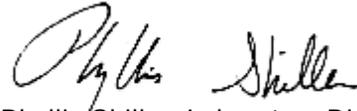
QA/QC Data

SDG I.D.: GBD03506

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

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



Phyllis Shiller, Laboratory Director
December 13, 2012

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS

GBD03506 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
BD03506	\$8270-SMR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330		ug/Kg
BD03506	\$8270-SMR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1300	330	330		ug/Kg
BD03506	\$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1900	800	800		ug/Kg
BD03506	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	30000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	30000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	27000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	27000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	32000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	32000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	12000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	1300	800	800		ug/Kg
BD03506	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	25000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	25000	1300	1000	1000		ug/Kg
BD03506	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	12000	1300	500	500		ug/Kg
BD03506	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	1300	500	500		ug/Kg
BD03506	\$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	3600	1300	330	330		ug/Kg
BD03506	\$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	1300	330	330		ug/Kg
BD03506	\$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1221	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1232	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1242	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	760	100	100		ug/Kg
BD03506	\$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Residential	2200	760	1000	1000		ug/Kg
BD03506	\$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	2200	760	100	100		ug/Kg
BD03506	\$PEST_SMR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	37	20	20		ug/Kg
BD03506	\$PEST_SMR	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	37	36	36		ug/Kg
BD03506	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	5	5		ug/Kg
BD03506	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	1300	370	3.3	3.3		ug/Kg
BD03506	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	5	5		ug/Kg
BD03506	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	73	14	14		ug/Kg
BD03506	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	73	3.3	3.3		ug/Kg
BD03506	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Residential	2200	370	1700	1700		ug/Kg
BD03506	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	2200	370	3.3	3.3		ug/Kg
BD03506	BA-SM	Barium	NY / 375-6.8 Metals / Residential	891	0.38	350	350		mg/Kg
BD03506	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	891	0.38	350	350		mg/Kg
BD03506	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	4.33	0.38	2.5	2.5		mg/Kg
BD03506	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	4.33	0.38	2.5	2.5		mg/Kg
BD03506	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	198	3.8	50	50		mg/kg
BD03506	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	51.7	4.4	0.81	0.81		mg/Kg
BD03506	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	51.7	4.4	0.18	0.18		mg/Kg
BD03506	PB-SM	Lead	NY / 375-6.8 Metals / Residential	1750	38	400	400		mg/Kg

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS

GBD03506 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD03506	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1750	38	63	63	mg/Kg
BD03506	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	995	3.8	109	109	mg/Kg
BD03508	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2100	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2100	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1900	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2600	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
BD03508	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	640	260	500	500	ug/Kg
BD03508	\$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	640	260	500	500	ug/Kg
BD03508	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	5.7	5	5	ug/Kg
BD03508	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	20	11	3.3	3.3	ug/Kg
BD03508	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.4	5.7	5	5	ug/Kg
BD03508	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	14	14	ug/Kg
BD03508	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	3.3	3.3	ug/Kg
BD03508	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	54	11	3.3	3.3	ug/Kg
BD03508	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	13.5	0.8	13	13	mg/Kg
BD03508	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	111	0.41	50	50	mg/kg
BD03508	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.40	0.06	0.81	0.81	mg/Kg
BD03508	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.40	0.06	0.18	0.18	mg/Kg
BD03508	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	398	4.1	63	63	mg/Kg
BD03508	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	378	4.1	109	109	mg/Kg
BD03510	\$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	540	74	100	100	ug/Kg
BD03510	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	5.6	5	5	ug/Kg
BD03510	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	3.3	3.3	ug/Kg
BD03510	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	5	5	ug/Kg
BD03510	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	14	14	ug/Kg
BD03510	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	3.3	3.3	ug/Kg
BD03510	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	3.3	3.3	ug/Kg
BD03510	CU-SM	Copper	NY / 375-6.8 Metals / Residential	429	3.7	270	270	mg/kg
BD03510	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	429	3.7	50	50	mg/kg
BD03510	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.09	0.18	0.18	mg/Kg
BD03510	PB-SM	Lead	NY / 375-6.8 Metals / Residential	511	3.7	400	400	mg/Kg
BD03510	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	511	3.7	63	63	mg/Kg
BD03510	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	444	3.7	109	109	mg/Kg
BD03511	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.09	0.18	0.18	mg/Kg
BD03511	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	128	0.36	63	63	mg/Kg
BD03511	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	317	3.6	109	109	mg/Kg

Sample Criteria Exceedences Report

GBD03506 - EBC

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





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



NY Temperature Narration

December 13, 2012

SDG I.D.: GBD03506

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

4/10/12

NY/NJ CHAIN OF CUSTODY RECORD



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

Client Services (860) 645-8726

Temp _____ Pg _____ of _____

Data Delivery:
 Fax #:
 Email:

Customer: ESC Project P.O.: _____
 Address: 183 Middle Country Road Report to: _____
Ridge, NY 11241 Invoice to: _____
 Phone #: 631 324 6000
 Fax #: _____

Sampler's Signature: [Signature] Date: 12/02/12

Client Sample - Information - Identification

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

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
03506	B1 0-2	S	12/02/12		Soil VOC [Methanol] S. Bisulfite [] H2O 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz
03507	B1 7-9				Soil VOC [Methanol] [As is] [HCl] 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz
03508	B2 0-2				Soil VOC [Methanol] [As is] [HCl] 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz
03509	B2 7-9				Soil VOC [Methanol] [As is] [HCl] 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz
03510	B3 0-2				Soil VOC [Methanol] [As is] [HCl] 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz
03511	B3 7-9				Soil VOC [Methanol] [As is] [HCl] 40 ml VOA Vial [As is] [HCl] GI. Soil container () oz GI. Soil container () oz

Relinquished by: [Signature] Accepted by: [Signature] Date: 12/13/12 Time: 10:15 AM

Comments, Special Requirements or Regulations: _____

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

* SURCHARGE APPLIES

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

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

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

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

State where samples were collected: NJ



Wednesday, January 02, 2013

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

Project ID: 588 MYRTLE AVE
Sample ID#s: BD12214 - BD12217

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

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

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

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

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

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

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



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

Analysis Report
 January 02, 2013

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 Time
 12/20/12 0:00
 12/21/12 17:15

Laboratory Data

SDG ID: GBD12214
 Phoenix ID: BD12214

Project ID: 588 MYRTLE AVE
 Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/27/12	LK	SW6010
Aluminum	81.1	0.10	mg/L	12/27/12	LK	SW6010
Arsenic	0.057	0.004	mg/L	12/22/12	LK	SW6010
Barium	3.05	0.002	mg/L	12/22/12	LK	SW6010
Beryllium	0.005	0.001	mg/L	12/22/12	LK	SW6010
Calcium	264	0.10	mg/L	12/27/12	LK	SW6010
Cadmium	0.002	0.001	mg/L	12/22/12	LK	SW6010
Cobalt	0.169	0.002	mg/L	12/22/12	LK	SW6010
Chromium	0.647	0.001	mg/L	12/22/12	LK	SW6010
Copper	0.513	0.005	mg/L	12/22/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Aluminum (Dissolved)	0.68	0.01	mg/L	12/22/12	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	12/22/12	LK	SW6010
Barium (Dissolved)	0.126	0.002	mg/L	12/22/12	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Calcium (Dissolved)	142	0.01	mg/L	12/22/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Cobalt (Dissolved)	0.006	0.001	mg/L	12/22/12	LK	SW6010
Chromium (Dissolved)	0.003	0.001	mg/L	12/22/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Iron (Dissolved)	0.751	0.011	mg/L	12/22/12	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium (Dissolved)	6.7	0.1	mg/L	12/22/12	LK	SW6010
Magnesium (Dissolved)	33.8	0.01	mg/L	12/22/12	LK	SW6010
Manganese (Dissolved)	1.22	0.001	mg/L	12/22/12	LK	SW6010
Sodium (Dissolved)	56.0	0.11	mg/L	12/22/12	LK	SW6010
Nickel (Dissolved)	0.022	0.001	mg/L	12/22/12	LK	SW6010
Lead (Dissolved)	0.004	0.002	mg/L	12/22/12	LK	SW6010

Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	12/27/12	LK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	12/22/12	LK	SW6010
Zinc (Dissolved)	0.004	0.002	mg/L	12/22/12	LK	SW6010
Iron	250	0.10	mg/L	12/27/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium	29.6	0.1	mg/L	12/22/12	LK	SW6010
Magnesium	105	0.10	mg/L	12/27/12	LK	SW6010
Manganese	9.11	0.010	mg/L	12/27/12	LK	SW6010
Sodium	58.9	0.1	mg/L	12/22/12	LK	SW6010
Nickel	0.443	0.001	mg/L	12/22/12	LK	SW6010
Lead	0.414	0.002	mg/L	12/22/12	LK	SW6010
Antimony	0.014	0.005	mg/L	12/27/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	12/27/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium	0.246	0.002	mg/L	12/22/12	LK	SW6010
Zinc	0.683	0.002	mg/L	12/22/12	LK	SW6010
Filtration	Completed			12/21/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			12/23/12	X/X	SW7470
Mercury Digestion	Completed			12/23/12	X/X	SW7470
PCB Extraction	Completed			12/21/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed			12/21/12	L/LT	SW3510
Semi-Volatile Extraction	Completed			12/24/12	I/E	SW3520
Dissolved Metals Preparation	Completed			12/21/12	AG	SW846-3005
Total Metals Digestion	Completed			12/21/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1221	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1232	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1242	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1248	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1254	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1260	0.14	0.10	ug/L	12/27/12	AW	8082
PCB-1262	ND	0.10	ug/L	12/27/12	AW	8082
PCB-1268	ND	0.10	ug/L	12/27/12	AW	8082

QA/QC Surrogates

% DCBP	33		%	12/27/12	AW	30 - 150 %
% TCMX	76		%	12/27/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDE	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDT	ND	0.010	ug/L	12/27/12	MH	SW8081
α-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Alachlor	ND	0.078	ug/L	12/27/12	MH	SW8081
Aldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
β-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Chlordane	ND	0.050	ug/L	12/27/12	MH	SW8081

Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.026	ug/L	12/27/12	MH	SW8081
Dieldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
Endosulfan I	ND	0.052	ug/L	12/27/12	MH	SW8081
Endosulfan II	ND	0.052	ug/L	12/27/12	MH	SW8081
Endosulfan Sulfate	ND	0.052	ug/L	12/27/12	MH	SW8081
Endrin	ND	0.010	ug/L	12/27/12	MH	SW8081
Endrin Aldehyde	ND	0.052	ug/L	12/27/12	MH	SW8081
Endrin ketone	ND	0.052	ug/L	12/27/12	MH	SW8081
g-BHC (Lindane)	ND	0.026	ug/L	12/27/12	MH	SW8081
Heptachlor	ND	0.005	ug/L	12/27/12	MH	SW8081
Heptachlor epoxide	ND	0.005	ug/L	12/27/12	MH	SW8081
Methoxychlor	ND	0.10	ug/L	12/27/12	MH	SW8081
Toxaphene	ND	0.26	ug/L	12/27/12	MH	SW8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	30		%	12/27/12	MH	30 - 150 %
%TCMX (Surrogate Rec)	66		%	12/27/12	MH	30 - 150 %
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	12/22/12	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Acetone	ND	25	ug/L	12/22/12	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/12	R/T	SW8260
Benzene	ND	0.70	ug/L	12/22/12	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260

Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/12	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroform	9.6	1.0	ug/L	12/22/12	R/T	SW8260
Chloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/12	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Naphthalene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
o-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Styrene	ND	1.0	ug/L	12/22/12	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/12	R/T	SW8260
Toluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/12	R/T	SW8260
Trichloroethene	3.6	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	12/22/12	R/T	70 - 130 %
% Bromofluorobenzene	95		%	12/22/12	R/T	70 - 130 %
% Dibromofluoromethane	91		%	12/22/12	R/T	70 - 130 %
% Toluene-d8	100		%	12/22/12	R/T	70 - 130 %
<u>Semivolatiles</u>						
1,2,4-Trichlorobenzene	ND	5.0	ug/L	12/29/12	DD	SW8270
1,2-Dichlorobenzene	ND	5.0	ug/L	12/29/12	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0	ug/L	12/29/12	DD	SW8270
1,3-Dichlorobenzene	ND	5.0	ug/L	12/29/12	DD	SW8270

Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.0	ug/L	12/29/12	DD	SW8270
2,4,5-Trichlorophenol	ND	10	ug/L	12/29/12	DD	SW8270
2,4,6-Trichlorophenol	ND	10	ug/L	12/29/12	DD	SW8270
2,4-Dichlorophenol	ND	10	ug/L	12/29/12	DD	SW8270
2,4-Dimethylphenol	ND	10	ug/L	12/29/12	DD	SW8270
2,4-Dinitrophenol	ND	50	ug/L	12/29/12	DD	SW8270
2,4-Dinitrotoluene	ND	5.0	ug/L	12/29/12	DD	SW8270
2,6-Dinitrotoluene	ND	5.0	ug/L	12/29/12	DD	SW8270
2-Chloronaphthalene	ND	5.0	ug/L	12/29/12	DD	SW8270
2-Chlorophenol	ND	10	ug/L	12/29/12	DD	SW8270
2-Methylnaphthalene	ND	5.0	ug/L	12/29/12	DD	SW8270
2-Methylphenol (o-cresol)	ND	10	ug/L	12/29/12	DD	SW8270
2-Nitroaniline	ND	50	ug/L	12/29/12	DD	SW8270
2-Nitrophenol	ND	10	ug/L	12/29/12	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10	ug/L	12/29/12	DD	SW8270
3,3'-Dichlorobenzidine	ND	50	ug/L	12/29/12	DD	SW8270
3-Nitroaniline	ND	50	ug/L	12/29/12	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/29/12	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0	ug/L	12/29/12	DD	SW8270
4-Chloro-3-methylphenol	ND	20	ug/L	12/29/12	DD	SW8270
4-Chloroaniline	ND	20	ug/L	12/29/12	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	12/29/12	DD	SW8270
4-Nitroaniline	ND	20	ug/L	12/29/12	DD	SW8270
4-Nitrophenol	ND	50	ug/L	12/29/12	DD	SW8270
Acetophenone	ND	5.0	ug/L	12/29/12	DD	SW8270
Aniline	ND	10	ug/L	12/29/12	DD	SW8270
Anthracene	ND	5.0	ug/L	12/29/12	DD	SW8270
Benzidine	ND	50	ug/L	12/29/12	DD	SW8270
Benzoic acid	ND	50	ug/L	12/29/12	DD	SW8270
Benzyl butyl phthalate	ND	5.0	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.0	ug/L	12/29/12	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	12/29/12	DD	SW8270
Carbazole	ND	5.0	ug/L	12/29/12	DD	SW8270
Dibenzofuran	ND	5.0	ug/L	12/29/12	DD	SW8270
Diethyl phthalate	ND	5.0	ug/L	12/29/12	DD	SW8270
Dimethylphthalate	ND	5.0	ug/L	12/29/12	DD	SW8270
Di-n-butylphthalate	ND	5.0	ug/L	12/29/12	DD	SW8270
Di-n-octylphthalate	ND	5.0	ug/L	12/29/12	DD	SW8270
Fluoranthene	ND	5.0	ug/L	12/29/12	DD	SW8270
Fluorene	ND	5.0	ug/L	12/29/12	DD	SW8270
Hexachlorobutadiene	ND	5.0	ug/L	12/29/12	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/29/12	DD	SW8270
Isophorone	ND	5.0	ug/L	12/29/12	DD	SW8270
Naphthalene	ND	5.0	ug/L	12/29/12	DD	SW8270
Nitrobenzene	ND	5.0	ug/L	12/29/12	DD	SW8270
N-Nitrosodimethylamine	ND	5.0	ug/L	12/29/12	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	12/29/12	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0	ug/L	12/29/12	DD	SW8270
Phenol	ND	10	ug/L	12/29/12	DD	SW8270

Client ID: MW 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.0	ug/L	12/29/12	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	121		%	12/29/12	DD	15 - 130 %
% 2-Fluorobiphenyl	90		%	12/29/12	DD	30 - 130 %
% 2-Fluorophenol	92		%	12/29/12	DD	15 - 130 %
% Nitrobenzene-d5	116		%	12/29/12	DD	30 - 130 %
% Phenol-d5	89		%	12/29/12	DD	15 - 130 %
% Terphenyl-d14	141		%	12/29/12	DD	30 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1.6	ug/L	12/27/12	DD	SW8270 (SIM)
Acenaphthene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	12/27/12	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.0	ug/L	12/27/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.6	ug/L	12/27/12	DD	SW8270 (SIM)
Chrysene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.010	ug/L	12/27/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.060	ug/L	12/27/12	DD	SW8270 (SIM)
Hexachloroethane	ND	2.4	ug/L	12/27/12	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10	ug/L	12/27/12	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80	ug/L	12/27/12	DD	SW8270 (SIM)
Phenanthrene	0.13	0.050	ug/L	12/27/12	DD	SW8270 (SIM)
Pyridine	ND	0.50	ug/L	12/27/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	121		%	12/27/12	DD	15 - 130 %
% 2-Fluorobiphenyl	90		%	12/27/12	DD	30 - 130 %
% 2-Fluorophenol	92		%	12/27/12	DD	15 - 130 %
% Nitrobenzene-d5	116		%	12/27/12	DD	30 - 130 %
% Phenol-d5	89		%	12/27/12	DD	15 - 130 %
% Terphenyl-d14	141		%	12/27/12	DD	30 - 130 %

3

3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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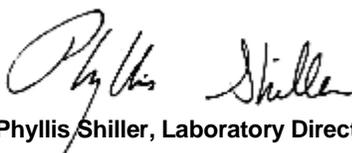
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

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

January 02, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President



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

Analysis Report

January 02, 2013

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 Time
 12/20/12 0:00
 12/21/12 17:15

Laboratory Data

SDG ID: GBD12214
 Phoenix ID: BD12215

Project ID: 588 MYRTLE AVE
 Client ID: MW 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/27/12	LK	SW6010
Aluminum	76.0	0.10	mg/L	12/27/12	LK	SW6010
Arsenic	0.051	0.004	mg/L	12/22/12	LK	SW6010
Barium	2.29	0.002	mg/L	12/22/12	LK	SW6010
Beryllium	0.005	0.001	mg/L	12/22/12	LK	SW6010
Calcium	194	0.10	mg/L	12/27/12	LK	SW6010
Cadmium	0.002	0.001	mg/L	12/22/12	LK	SW6010
Cobalt	0.165	0.002	mg/L	12/22/12	LK	SW6010
Chromium	0.583	0.001	mg/L	12/22/12	LK	SW6010
Copper	0.453	0.005	mg/L	12/22/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Aluminum (Dissolved)	0.50	0.01	mg/L	12/22/12	LK	SW6010
Arsenic (Dissolved)	0.004	0.004	mg/L	12/22/12	LK	SW6010
Barium (Dissolved)	0.101	0.002	mg/L	12/22/12	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Calcium (Dissolved)	106	0.01	mg/L	12/22/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Cobalt (Dissolved)	0.002	0.001	mg/L	12/22/12	LK	SW6010
Chromium (Dissolved)	0.002	0.001	mg/L	12/22/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Iron (Dissolved)	0.438	0.011	mg/L	12/22/12	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium (Dissolved)	5.3	0.1	mg/L	12/22/12	LK	SW6010
Magnesium (Dissolved)	28.0	0.01	mg/L	12/22/12	LK	SW6010
Manganese (Dissolved)	0.485	0.001	mg/L	12/22/12	LK	SW6010
Sodium (Dissolved)	57.1	0.11	mg/L	12/22/12	LK	SW6010
Nickel (Dissolved)	0.011	0.001	mg/L	12/22/12	LK	SW6010
Lead (Dissolved)	0.003	0.002	mg/L	12/22/12	LK	SW6010

Client ID: MW 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	12/22/12	LK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	12/22/12	LK	SW6010
Zinc (Dissolved)	0.003	0.002	mg/L	12/22/12	LK	SW6010
Iron	224	0.10	mg/L	12/27/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium	26.4	0.1	mg/L	12/22/12	LK	SW6010
Magnesium	88.9	0.10	mg/L	12/27/12	LK	SW6010
Manganese	9.78	0.010	mg/L	12/27/12	LK	SW6010
Sodium	57.8	0.1	mg/L	12/22/12	LK	SW6010
Nickel	0.439	0.001	mg/L	12/22/12	LK	SW6010
Lead	0.372	0.002	mg/L	12/22/12	LK	SW6010
Antimony	0.012	0.005	mg/L	12/27/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	12/27/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium	0.238	0.002	mg/L	12/22/12	LK	SW6010
Zinc	0.582	0.002	mg/L	12/22/12	LK	SW6010
Filtration	Completed			12/21/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			12/23/12	X/X	SW7470
Mercury Digestion	Completed			12/23/12	X/X	SW7470
PCB Extraction	Completed			12/21/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed			12/21/12	L/LT	SW3510
Semi-Volatile Extraction	Completed			12/24/12	I/E	SW3520
Dissolved Metals Preparation	Completed			12/21/12	AG	SW846-3005
Total Metals Digestion	Completed			12/21/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1221	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1232	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1242	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1248	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1254	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1260	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1262	ND	0.052	ug/L	12/27/12	AW	8082
PCB-1268	ND	0.052	ug/L	12/27/12	AW	8082

QA/QC Surrogates

% DCBP	35		%	12/27/12	AW	30 - 150 %
% TCMX	68		%	12/27/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDE	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDT	ND	0.010	ug/L	12/27/12	MH	SW8081
α-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Alachlor	ND	0.077	ug/L	12/27/12	MH	SW8081
Aldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
β-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Chlordane	ND	0.050	ug/L	12/27/12	MH	SW8081

Client ID: MW 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.026	ug/L	12/27/12	MH	SW8081
Dieldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
Endosulfan I	ND	0.052	ug/L	12/27/12	MH	SW8081
Endosulfan II	ND	0.052	ug/L	12/27/12	MH	SW8081
Endosulfan Sulfate	ND	0.052	ug/L	12/27/12	MH	SW8081
Endrin	ND	0.010	ug/L	12/27/12	MH	SW8081
Endrin Aldehyde	ND	0.052	ug/L	12/27/12	MH	SW8081
Endrin ketone	ND	0.052	ug/L	12/27/12	MH	SW8081
g-BHC (Lindane)	ND	0.026	ug/L	12/27/12	MH	SW8081
Heptachlor	ND	0.005	ug/L	12/27/12	MH	SW8081
Heptachlor epoxide	ND	0.005	ug/L	12/27/12	MH	SW8081
Methoxychlor	ND	0.10	ug/L	12/27/12	MH	SW8081
Toxaphene	ND	0.26	ug/L	12/27/12	MH	SW8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	36		%	12/27/12	MH	30 - 150 %
%TCMX (Surrogate Rec)	72		%	12/27/12	MH	30 - 150 %
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	12/22/12	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Acetone	ND	25	ug/L	12/22/12	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/12	R/T	SW8260
Benzene	ND	0.70	ug/L	12/22/12	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/12	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroform	19	1.0	ug/L	12/22/12	R/T	SW8260
Chloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/12	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Naphthalene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
o-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Styrene	ND	1.0	ug/L	12/22/12	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/12	R/T	SW8260
Toluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/12	R/T	SW8260
Trichloroethene	3.4	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	101		%	12/22/12	R/T	70 - 130 %
% Bromofluorobenzene	94		%	12/22/12	R/T	70 - 130 %
% Dibromofluoromethane	90		%	12/22/12	R/T	70 - 130 %
% Toluene-d8	100		%	12/22/12	R/T	70 - 130 %
<u>Semivolatiles</u>						
1,2,4-Trichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Diphenylhydrazine	ND	5.3	ug/L	12/29/12	DD	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270

Client ID: MW 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4,6-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dimethylphenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dinitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
2,4-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,6-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chloronaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2-Methylnaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Methylphenol (o-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
2-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
2-Nitrophenol	ND	11	ug/L	12/29/12	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
3,3'-Dichlorobenzidine	ND	53	ug/L	12/29/12	DD	SW8270
3-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	53	ug/L	12/29/12	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Chloro-3-methylphenol	ND	21	ug/L	12/29/12	DD	SW8270
4-Chloroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Nitroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Nitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
Acetophenone	ND	5.3	ug/L	12/29/12	DD	SW8270
Aniline	ND	11	ug/L	12/29/12	DD	SW8270
Anthracene	ND	5.3	ug/L	12/29/12	DD	SW8270
Benzidine	ND	53	ug/L	12/29/12	DD	SW8270
Benzoic acid	ND	53	ug/L	12/29/12	DD	SW8270
Benzyl butyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Carbazole	ND	5.3	ug/L	12/29/12	DD	SW8270
Dibenzofuran	ND	5.3	ug/L	12/29/12	DD	SW8270
Diethyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Dimethylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-butylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-octylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluoranthene	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluorene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorobutadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorocyclopentadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Isophorone	ND	5.3	ug/L	12/29/12	DD	SW8270
Naphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
Nitrobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodimethylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodiphenylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
Phenol	ND	11	ug/L	12/29/12	DD	SW8270

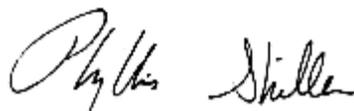
Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.3	ug/L	12/29/12	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	127		%	12/29/12	DD	15 - 130 %
% 2-Fluorobiphenyl	97		%	12/29/12	DD	30 - 130 %
% 2-Fluorophenol	94		%	12/29/12	DD	15 - 130 %
% Nitrobenzene-d5	121		%	12/29/12	DD	30 - 130 %
% Phenol-d5	90		%	12/29/12	DD	15 - 130 %
% Terphenyl-d14	106		%	12/29/12	DD	30 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	12/27/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachlorophenol	ND	0.84	ug/L	12/27/12	KCA	SW8270 (SIM)
Phenanthrene	0.074	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	12/27/12	KCA	SW8270 (SIM)
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	127		%	12/27/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	97		%	12/27/12	KCA	30 - 130 %
% 2-Fluorophenol	94		%	12/27/12	KCA	15 - 130 %
% Nitrobenzene-d5	121		%	12/27/12	KCA	30 - 130 %
% Phenol-d5	90		%	12/27/12	KCA	15 - 130 %
% Terphenyl-d14	106		%	12/27/12	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:

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

January 02, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

January 02, 2013

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 Time
 12/20/12 0:00
 12/21/12 17:15

Laboratory Data

SDG ID: GBD12214
 Phoenix ID: BD12216

Project ID: 588 MYRTLE AVE
 Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/27/12	LK	SW6010
Aluminum	197	0.10	mg/L	12/27/12	LK	SW6010
Arsenic	0.136	0.004	mg/L	12/22/12	LK	SW6010
Barium	5.47	0.002	mg/L	12/22/12	LK	SW6010
Beryllium	0.012	0.001	mg/L	12/22/12	LK	SW6010
Calcium	300	0.10	mg/L	12/27/12	LK	SW6010
Cadmium	0.006	0.001	mg/L	12/22/12	LK	SW6010
Cobalt	0.378	0.002	mg/L	12/22/12	LK	SW6010
Chromium	1.34	0.001	mg/L	12/22/12	LK	SW6010
Copper	1.29	0.005	mg/L	12/22/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Aluminum (Dissolved)	0.44	0.01	mg/L	12/22/12	LK	SW6010
Arsenic (Dissolved)	0.005	0.004	mg/L	12/22/12	LK	SW6010
Barium (Dissolved)	0.108	0.002	mg/L	12/22/12	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Calcium (Dissolved)	139	0.01	mg/L	12/22/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Cobalt (Dissolved)	0.005	0.001	mg/L	12/22/12	LK	SW6010
Chromium (Dissolved)	0.001	0.001	mg/L	12/22/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Iron (Dissolved)	0.335	0.011	mg/L	12/22/12	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium (Dissolved)	6.8	0.1	mg/L	12/22/12	LK	SW6010
Magnesium (Dissolved)	31.5	0.01	mg/L	12/22/12	LK	SW6010
Manganese (Dissolved)	1.42	0.001	mg/L	12/22/12	LK	SW6010
Sodium (Dissolved)	61.4	0.11	mg/L	12/22/12	LK	SW6010
Nickel (Dissolved)	0.022	0.001	mg/L	12/22/12	LK	SW6010
Lead (Dissolved)	0.002	0.002	mg/L	12/22/12	LK	SW6010

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	12/27/12	LK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	12/22/12	LK	SW6010
Zinc (Dissolved)	0.004	0.002	mg/L	12/22/12	LK	SW6010
Iron	540	0.10	mg/L	12/27/12	LK	SW6010
Mercury	< 0.0002	0.0002	mg/L	12/23/12	JA	SW7470
Potassium	56.7	1.0	mg/L	12/27/12	LK	SW6010
Magnesium	188	0.10	mg/L	12/27/12	LK	SW6010
Manganese	23.6	0.10	mg/L	12/27/12	LK	SW6010
Sodium	76.0	1.0	mg/L	12/27/12	LK	SW6010
Nickel	1.07	0.001	mg/L	12/22/12	LK	SW6010
Lead	0.761	0.002	mg/L	12/22/12	LK	SW6010
Antimony	0.028	0.005	mg/L	12/27/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	12/27/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium	0.535	0.002	mg/L	12/22/12	LK	SW6010
Zinc	1.87	0.002	mg/L	12/22/12	LK	SW6010
Filtration	Completed			12/21/12	AG	0.45um Filter
Dissolved Mercury Digestion	Completed			12/23/12	X/X	SW7470
Mercury Digestion	Completed			12/23/12	X/X	SW7470
PCB Extraction	Completed			12/21/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed			12/21/12	L/LT	SW3510
Semi-Volatile Extraction	Completed			12/24/12	I/E	SW3520
Dissolved Metals Preparation	Completed			12/21/12	AG	SW846-3005
Total Metals Digestion	Completed			12/21/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1221	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1232	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1242	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1248	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1254	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1260	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1262	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1268	ND	0.050	ug/L	12/27/12	AW	8082

QA/QC Surrogates

% DCBP	40		%	12/27/12	AW	30 - 150 %
% TCMX	72		%	12/27/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDE	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDT	ND	0.010	ug/L	12/27/12	MH	SW8081
α-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Alachlor	ND	0.076	ug/L	12/27/12	MH	SW8081
Aldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
β-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Chlordane	ND	0.050	ug/L	12/27/12	MH	SW8081

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	ug/L	12/27/12	MH	SW8081
Dieldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
Endosulfan I	ND	0.050	ug/L	12/27/12	MH	SW8081
Endosulfan II	ND	0.050	ug/L	12/27/12	MH	SW8081
Endosulfan Sulfate	ND	0.050	ug/L	12/27/12	MH	SW8081
Endrin	ND	0.010	ug/L	12/27/12	MH	SW8081
Endrin Aldehyde	ND	0.050	ug/L	12/27/12	MH	SW8081
Endrin ketone	ND	0.050	ug/L	12/27/12	MH	SW8081
g-BHC (Lindane)	ND	0.025	ug/L	12/27/12	MH	SW8081
Heptachlor	ND	0.005	ug/L	12/27/12	MH	SW8081
Heptachlor epoxide	ND	0.005	ug/L	12/27/12	MH	SW8081
Methoxychlor	ND	0.10	ug/L	12/27/12	MH	SW8081
Toxaphene	ND	0.25	ug/L	12/27/12	MH	SW8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	33		%	12/27/12	MH	30 - 150 %
%TCMX (Surrogate Rec)	70		%	12/27/12	MH	30 - 150 %
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	12/22/12	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Acetone	ND	25	ug/L	12/22/12	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/12	R/T	SW8260
Benzene	ND	0.70	ug/L	12/22/12	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/12	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroform	10	1.0	ug/L	12/22/12	R/T	SW8260
Chloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/12	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Naphthalene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
o-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Styrene	ND	1.0	ug/L	12/22/12	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/12	R/T	SW8260
Toluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/12	R/T	SW8260
Trichloroethene	3.5	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	12/22/12	R/T	70 - 130 %
% Bromofluorobenzene	95		%	12/22/12	R/T	70 - 130 %
% Dibromofluoromethane	91		%	12/22/12	R/T	70 - 130 %
% Toluene-d8	100		%	12/22/12	R/T	70 - 130 %
<u>Semivolatiles</u>						
1,2,4-Trichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Diphenylhydrazine	ND	5.3	ug/L	12/29/12	DD	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4,6-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dimethylphenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dinitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
2,4-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,6-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chloronaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2-Methylnaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Methylphenol (o-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
2-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
2-Nitrophenol	ND	11	ug/L	12/29/12	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
3,3'-Dichlorobenzidine	ND	53	ug/L	12/29/12	DD	SW8270
3-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	53	ug/L	12/29/12	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Chloro-3-methylphenol	ND	21	ug/L	12/29/12	DD	SW8270
4-Chloroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Nitroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Nitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
Acetophenone	ND	5.3	ug/L	12/29/12	DD	SW8270
Aniline	ND	11	ug/L	12/29/12	DD	SW8270
Anthracene	ND	5.3	ug/L	12/29/12	DD	SW8270
Benzidine	ND	53	ug/L	12/29/12	DD	SW8270
Benzoic acid	ND	53	ug/L	12/29/12	DD	SW8270
Benzyl butyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Carbazole	ND	5.3	ug/L	12/29/12	DD	SW8270
Dibenzofuran	ND	5.3	ug/L	12/29/12	DD	SW8270
Diethyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Dimethylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-butylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-octylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluoranthene	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluorene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorobutadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorocyclopentadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Isophorone	ND	5.3	ug/L	12/29/12	DD	SW8270
Naphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
Nitrobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodimethylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodiphenylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
Phenol	ND	11	ug/L	12/29/12	DD	SW8270

Client ID: MW 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.3	ug/L	12/29/12	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	128		%	12/29/12	DD	15 - 130 %
% 2-Fluorobiphenyl	100		%	12/29/12	DD	30 - 130 %
% 2-Fluorophenol	102		%	12/29/12	DD	15 - 130 %
% Nitrobenzene-d5	127		%	12/29/12	DD	30 - 130 %
% Phenol-d5	101		%	12/29/12	DD	15 - 130 %
% Terphenyl-d14	159		%	12/29/12	DD	30 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	3.4	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	12/27/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachlorophenol	ND	0.84	ug/L	12/27/12	KCA	SW8270 (SIM)
Phenanthrene	0.12	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	12/27/12	KCA	SW8270 (SIM)
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	128		%	12/27/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	100		%	12/27/12	KCA	30 - 130 %
% 2-Fluorophenol	102		%	12/27/12	KCA	15 - 130 %
% Nitrobenzene-d5	127		%	12/27/12	KCA	30 - 130 %
% Phenol-d5	101		%	12/27/12	KCA	15 - 130 %
% Terphenyl-d14	159		%	12/27/12	KCA	30 - 130 %

3

3

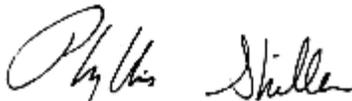
Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
3 = This parameter exceeds laboratory specified limits.

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

Comments:

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

January 02, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

January 02, 2013

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 Time
 12/20/12 0:00
 12/21/12 17:15

Laboratory Data

SDG ID: GBD12214
 Phoenix ID: BD12217

Project ID: 588 MYRTLE AVE
 Client ID: DUPLICATE

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/27/12	LK	SW6010
Aluminum	171	0.10	mg/L	12/27/12	LK	SW6010
Arsenic	0.131	0.004	mg/L	12/22/12	LK	SW6010
Barium	5.12	0.002	mg/L	12/22/12	LK	SW6010
Beryllium	0.011	0.001	mg/L	12/22/12	LK	SW6010
Calcium	284	0.10	mg/L	12/27/12	LK	SW6010
Cadmium	0.006	0.001	mg/L	12/22/12	LK	SW6010
Cobalt	0.356	0.002	mg/L	12/22/12	LK	SW6010
Chromium	1.16	0.001	mg/L	12/22/12	LK	SW6010
Copper	1.16	0.005	mg/L	12/22/12	LK	SW6010
Silver (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Aluminum (Dissolved)	0.62	0.01	mg/L	12/22/12	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	mg/L	12/22/12	LK	SW6010
Barium (Dissolved)	0.114	0.002	mg/L	12/22/12	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Calcium (Dissolved)	139	0.01	mg/L	12/22/12	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	mg/L	12/22/12	LK	SW6010
Cobalt (Dissolved)	0.005	0.001	mg/L	12/22/12	LK	SW6010
Chromium (Dissolved)	0.002	0.001	mg/L	12/22/12	LK	SW6010
Copper (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Iron (Dissolved)	0.655	0.011	mg/L	12/22/12	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	12/26/12	RS	SW7470
Potassium (Dissolved)	7.0	0.1	mg/L	12/22/12	LK	SW6010
Magnesium (Dissolved)	31.4	0.01	mg/L	12/22/12	LK	SW6010
Manganese (Dissolved)	1.45	0.001	mg/L	12/22/12	LK	SW6010
Sodium (Dissolved)	61.2	0.11	mg/L	12/22/12	LK	SW6010
Nickel (Dissolved)	0.023	0.001	mg/L	12/22/12	LK	SW6010
Lead (Dissolved)	0.002	0.002	mg/L	12/22/12	LK	SW6010

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005	mg/L	12/22/12	LK	SW6010
Selenium (Dissolved)	< 0.011	0.011	mg/L	12/27/12	LK	SW6010
Thallium (Dissolved)	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	mg/L	12/22/12	LK	SW6010
Zinc (Dissolved)	0.005	0.002	mg/L	12/22/12	LK	SW6010
Iron	472	0.10	mg/L	12/27/12	LK	SW6010
Mercury	0.0005	0.0002	mg/L	12/26/12	RS	SW7470
Potassium	51.1	1.0	mg/L	12/27/12	LK	SW6010
Magnesium	174	0.10	mg/L	12/27/12	LK	SW6010
Manganese	20.8	0.10	mg/L	12/27/12	LK	SW6010
Sodium	71.1	1.0	mg/L	12/27/12	LK	SW6010
Nickel	1.00	0.001	mg/L	12/22/12	LK	SW6010
Lead	0.707	0.002	mg/L	12/22/12	LK	SW6010
Antimony	0.029	0.005	mg/L	12/27/12	LK	SW6010
Selenium	< 0.010	0.010	mg/L	12/27/12	LK	SW6010
Thallium	< 0.002	0.002	mg/L	12/26/12	RS	SW7010
Vanadium	0.490	0.002	mg/L	12/22/12	LK	SW6010
Zinc	1.73	0.002	mg/L	12/22/12	LK	SW6010
Filtration	Completed			12/21/12		0.45um Filter
Dissolved Mercury Digestion	Completed			12/26/12	X/X	SW7470
Mercury Digestion	Completed			12/26/12	X/X	SW7470
PCB Extraction	Completed			12/21/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed			12/21/12	L/LT	SW3510
Semi-Volatile Extraction	Completed			12/24/12	I/E	SW3520
Dissolved Metals Preparation	Completed			12/21/12	AG	SW846-3005
Total Metals Digestion	Completed			12/21/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1221	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1232	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1242	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1248	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1254	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1260	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1262	ND	0.050	ug/L	12/27/12	AW	8082
PCB-1268	ND	0.050	ug/L	12/27/12	AW	8082

QA/QC Surrogates

% DCBP	38		%	12/27/12	AW	30 - 150 %
% TCMX	76		%	12/27/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDE	ND	0.010	ug/L	12/27/12	MH	SW8081
4,4' -DDT	ND	0.010	ug/L	12/27/12	MH	SW8081
α-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Alachlor	ND	0.075	ug/L	12/27/12	MH	SW8081
Aldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
β-BHC	ND	0.005	ug/L	12/27/12	MH	SW8081
Chlordane	ND	0.050	ug/L	12/27/12	MH	SW8081

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	ug/L	12/27/12	MH	SW8081
Dieldrin	ND	0.002	ug/L	12/27/12	MH	SW8081
Endosulfan I	ND	0.050	ug/L	12/27/12	MH	SW8081
Endosulfan II	ND	0.050	ug/L	12/27/12	MH	SW8081
Endosulfan Sulfate	ND	0.050	ug/L	12/27/12	MH	SW8081
Endrin	ND	0.010	ug/L	12/27/12	MH	SW8081
Endrin Aldehyde	ND	0.050	ug/L	12/27/12	MH	SW8081
Endrin ketone	ND	0.050	ug/L	12/27/12	MH	SW8081
g-BHC (Lindane)	ND	0.025	ug/L	12/27/12	MH	SW8081
Heptachlor	ND	0.005	ug/L	12/27/12	MH	SW8081
Heptachlor epoxide	ND	0.005	ug/L	12/27/12	MH	SW8081
Methoxychlor	ND	0.10	ug/L	12/27/12	MH	SW8081
Toxaphene	ND	0.25	ug/L	12/27/12	MH	SW8081
<u>QA/QC Surrogates</u>						
%DCBP (Surrogate Rec)	31		%	12/27/12	MH	30 - 150 %
%TCMX (Surrogate Rec)	68		%	12/27/12	MH	30 - 150 %
<u>Volatiles</u>						
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,2-Dichloroethane	ND	0.60	ug/L	12/22/12	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Acetone	ND	25	ug/L	12/22/12	R/T	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/12	R/T	SW8260
Benzene	ND	0.70	ug/L	12/22/12	R/T	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bromoform	ND	1.0	ug/L	12/22/12	R/T	SW8260
Bromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/12	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Chloroform	10	1.0	ug/L	12/22/12	R/T	SW8260
Chloromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/12	R/T	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/12	R/T	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/12	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/12	R/T	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
Naphthalene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
o-Xylene	ND	1.0	ug/L	12/22/12	R/T	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Styrene	ND	1.0	ug/L	12/22/12	R/T	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/12	R/T	SW8260
Toluene	ND	1.0	ug/L	12/22/12	R/T	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/12	R/T	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/12	R/T	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/12	R/T	SW8260
Trichloroethene	3.3	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/12	R/T	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/12	R/T	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	103		%	12/22/12	R/T	70 - 130 %
% Bromofluorobenzene	96		%	12/22/12	R/T	70 - 130 %
% Dibromofluoromethane	89		%	12/22/12	R/T	70 - 130 %
% Toluene-d8	101		%	12/22/12	R/T	70 - 130 %
<u>Semivolatiles</u>						
1,2,4-Trichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
1,2-Diphenylhydrazine	ND	5.3	ug/L	12/29/12	DD	SW8270
1,3-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,4,5-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4,6-Trichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dichlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dimethylphenol	ND	11	ug/L	12/29/12	DD	SW8270
2,4-Dinitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
2,4-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2,6-Dinitrotoluene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chloronaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Chlorophenol	ND	11	ug/L	12/29/12	DD	SW8270
2-Methylnaphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
2-Methylphenol (o-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
2-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
2-Nitrophenol	ND	11	ug/L	12/29/12	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11	ug/L	12/29/12	DD	SW8270
3,3'-Dichlorobenzidine	ND	53	ug/L	12/29/12	DD	SW8270
3-Nitroaniline	ND	53	ug/L	12/29/12	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	53	ug/L	12/29/12	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Chloro-3-methylphenol	ND	21	ug/L	12/29/12	DD	SW8270
4-Chloroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	12/29/12	DD	SW8270
4-Nitroaniline	ND	21	ug/L	12/29/12	DD	SW8270
4-Nitrophenol	ND	53	ug/L	12/29/12	DD	SW8270
Acetophenone	ND	5.3	ug/L	12/29/12	DD	SW8270
Aniline	ND	11	ug/L	12/29/12	DD	SW8270
Anthracene	ND	5.3	ug/L	12/29/12	DD	SW8270
Benzidine	ND	53	ug/L	12/29/12	DD	SW8270
Benzoic acid	ND	53	ug/L	12/29/12	DD	SW8270
Benzyl butyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroethyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	12/29/12	DD	SW8270
Carbazole	ND	5.3	ug/L	12/29/12	DD	SW8270
Dibenzofuran	ND	5.3	ug/L	12/29/12	DD	SW8270
Diethyl phthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Dimethylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-butylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Di-n-octylphthalate	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluoranthene	ND	5.3	ug/L	12/29/12	DD	SW8270
Fluorene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorobutadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Hexachlorocyclopentadiene	ND	5.3	ug/L	12/29/12	DD	SW8270
Isophorone	ND	5.3	ug/L	12/29/12	DD	SW8270
Naphthalene	ND	5.3	ug/L	12/29/12	DD	SW8270
Nitrobenzene	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodimethylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
N-Nitrosodiphenylamine	ND	5.3	ug/L	12/29/12	DD	SW8270
Phenol	ND	11	ug/L	12/29/12	DD	SW8270

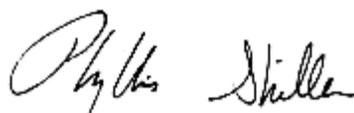
Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	5.3	ug/L	12/29/12	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	126		%	12/29/12	DD	15 - 130 %
% 2-Fluorobiphenyl	91		%	12/29/12	DD	30 - 130 %
% 2-Fluorophenol	94		%	12/29/12	DD	15 - 130 %
% Nitrobenzene-d5	118		%	12/29/12	DD	30 - 130 %
% Phenol-d5	96		%	12/29/12	DD	15 - 130 %
% Terphenyl-d14	126		%	12/29/12	DD	30 - 130 %
<u>Semivolatiles</u>						
1,2,4,5-Tetrachlorobenzene	ND	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Acenaphthylene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(ghi)perylene	ND	3.2	ug/L	12/27/12	KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	1.7	ug/L	12/27/12	KCA	SW8270 (SIM)
Chrysene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.011	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachlorobenzene	ND	0.063	ug/L	12/27/12	KCA	SW8270 (SIM)
Hexachloroethane	ND	2.5	ug/L	12/27/12	KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11	ug/L	12/27/12	KCA	SW8270 (SIM)
Pentachlorophenol	ND	0.84	ug/L	12/27/12	KCA	SW8270 (SIM)
Phenanthrene	ND	0.053	ug/L	12/27/12	KCA	SW8270 (SIM)
Pyridine	ND	0.53	ug/L	12/27/12	KCA	SW8270 (SIM)
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	126		%	12/27/12	KCA	15 - 130 %
% 2-Fluorobiphenyl	91		%	12/27/12	KCA	30 - 130 %
% 2-Fluorophenol	94		%	12/27/12	KCA	15 - 130 %
% Nitrobenzene-d5	118		%	12/27/12	KCA	30 - 130 %
% Phenol-d5	96		%	12/27/12	KCA	15 - 130 %
% Terphenyl-d14	126		%	12/27/12	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:

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

January 02, 2013

Reviewed and Released by: Bobbi Aloisa, Vice President



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QA/QC Report

January 02, 2013

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 216744, QC Sample No: BD11141 (BD12214, BD12215, BD12216, BD12217)												
<u>ICP Metals - Dissolved</u>												
Aluminum	BRL	0.04	0.14	NC	92.3	90.5	2.0	89.2	89.2	0.0	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	101	98.3	2.7	99.1	97.8	1.3	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	94.4	92.3	2.2	92.3	91.2	1.2	75 - 125	20
Barium	BRL	0.068	0.068	0	97.2	95.7	1.6	96.9	95.6	1.4	75 - 125	20
Beryllium	BRL	<0.004	<0.001	NC	95.0	93.6	1.5	94.1	94.1	0.0	75 - 125	20
Cadmium	BRL	0.001	0.001	NC	96.5	93.2	3.5	93.3	91.5	1.9	75 - 125	20
Calcium	BRL	20.0	20.0	0	94.5	92.5	2.1	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	95.3	92.7	2.8	92.5	91.6	1.0	75 - 125	20
Cobalt	BRL	0.002	0.002	NC	99.2	96.3	3.0	95.8	94.9	0.9	75 - 125	20
Copper	BRL	0.006	0.007	NC	95.6	93.6	2.1	95.0	94.2	0.8	75 - 125	20
Iron	BRL	0.030	0.024	NC	99.0	96.8	2.2	95.7	94.3	1.5	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	96.2	93.2	3.2	92.1	91.5	0.7	75 - 125	20
Magnesium	BRL	1.39	1.39	0	96.8	94.2	2.7	103	97.9	5.1	75 - 125	20
Manganese	BRL	0.138	0.137	0.70	97.1	93.7	3.6	94.2	92.1	2.3	75 - 125	20
Nickel	BRL	0.014	0.014	0	98.7	96.0	2.8	95.3	94.0	1.4	75 - 125	20
Potassium	BRL	2.2	2.1	4.70	89.9	84.9	5.7	90.9	87.0	4.4	75 - 125	20
Selenium	BRL	<0.011	<0.011	NC	93.2	92.2	1.1	94.1	92.1	2.1	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	91.6	89.8	2.0	91.4	90.9	0.5	75 - 125	20
Sodium	BRL	6.80	6.48	4.80	103	>130	NC	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	94.1	92.2	2.0	93.3	92.1	1.3	75 - 125	20
Zinc	BRL	0.079	0.078	1.30	98.1	95.4	2.8	95.2	93.6	1.7	75 - 125	20
QA/QC Batch 216834, QC Sample No: BD11742 (BD12214, BD12215, BD12216, BD12217)												
Thallium - Water	BRL	<0.002	<0.002	NC	97.7	99.0	1.3	NR	NR	NC	75 - 125	20
QA/QC Batch 217094, QC Sample No: BD11808 (BD12217)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	104	98.8	5.1	94.5	95.4	0.9	70 - 130	20
QA/QC Batch 216959, QC Sample No: BD12080 (BD12214, BD12215, BD12216, BD12217)												
<u>ICP Metals - Aqueous</u>												
Aluminum	BRL	<0.010	<0.010	NC	96.1	96.6	0.5	99.3	98.9	0.4	75 - 125	20
Antimony	BRL	0.011	<0.005	NC	101	102	1.0	104	102	1.9	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	97.1	98.2	1.1	99.9	98.3	1.6	75 - 125	20
Barium	BRL	<0.002	<0.002	NC	101	102	1.0	105	103	1.9	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	98.9	99.5	0.6	102	100	2.0	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	99.2	100	0.8	102	100	2.0	75 - 125	20
Calcium	BRL	0.026	0.020	NC	101	102	1.0	105	104	1.0	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	98.8	99.7	0.9	102	101	1.0	75 - 125	20
Cobalt	BRL	<0.002	<0.002	NC	99.9	101	1.1	103	102	1.0	75 - 125	20
Copper	BRL	0.001	0.003 B	NC	102	103	1.0	105	104	1.0	75 - 125	20
Iron	BRL	0.09	0.032	NC	102	103	1.0	107	106	0.9	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	98.6	99.3	0.7	101	101	0.0	75 - 125	20
Magnesium	BRL	<0.01	<0.01	NC	99.8	100	0.2	103	102	1.0	75 - 125	20

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Manganese	BRL	<0.001	<0.001	NC	98.3	99.4	1.1	101	99.8	1.2	75 - 125	20
Nickel	BRL	0.001	<0.001	NC	98.9	99.6	0.7	102	101	1.0	75 - 125	20
Potassium	BRL	<0.1	<0.1	NC	103	104	1.0	104	103	1.0	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	95.1	96.2	1.2	97.6	96.3	1.3	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	96.8	97.4	0.6	99.0	98.5	0.5	75 - 125	20
Sodium	BRL	0.0	0.0 B	NC	96.9	97.5	0.6	98.8	98.4	0.4	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	98.3	99.1	0.8	102	100	2.0	75 - 125	20
Zinc	BRL	<0.002	<0.002	NC	102	103	1.0	104	104	0.0	75 - 125	20
QA/QC Batch 216997, QC Sample No: BD12214 (BD12214, BD12215, BD12216)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	102	97.7	4.3	106	106	0.0	70 - 130	20

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



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QA/QC Report

January 02, 2013

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 217062, QC Sample No: BD11604 (BD12214, BD12215, BD12216, BD12217)									
<u>Semivolatiles - Ground Water</u>									
1,2,4,5-Tetrachlorobenzene	ND	83	85	2.4				30 - 130	20
1,2,4-Trichlorobenzene	ND	80	82	2.5				30 - 130	20
1,2-Dichlorobenzene	ND	82	85	3.6				30 - 130	20
1,2-Diphenylhydrazine	ND	15	17	12.5				30 - 130	20
1,3-Dichlorobenzene	ND	80	83	3.7				30 - 130	20
1,4-Dichlorobenzene	ND	81	84	3.6				30 - 130	20
2,4,5-Trichlorophenol	ND	83	85	2.4				30 - 130	20
2,4,6-Trichlorophenol	ND	88	93	5.5				30 - 130	20
2,4-Dichlorophenol	ND	80	83	3.7				30 - 130	20
2,4-Dimethylphenol	ND	48	51	6.1				30 - 130	20
2,4-Dinitrophenol	ND	49	52	5.9				30 - 130	20
2,4-Dinitrotoluene	ND	88	93	5.5				30 - 130	20
2,6-Dinitrotoluene	ND	90	95	5.4				30 - 130	20
2-Chloronaphthalene	ND	89	94	5.5				30 - 130	20
2-Chlorophenol	ND	77	79	2.6				30 - 130	20
2-Methylnaphthalene	ND	86	90	4.5				30 - 130	20
2-Methylphenol (o-cresol)	ND	66	69	4.4				30 - 130	20
2-Nitroaniline	ND	47	64	30.6				30 - 130	20
2-Nitrophenol	ND	80	83	3.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	72	73	1.4				30 - 130	20
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				30 - 130	20
3-Nitroaniline	ND	81	88	8.3				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	83	86	3.6				30 - 130	20
4-Bromophenyl phenyl ether	ND	89	94	5.5				30 - 130	20
4-Chloro-3-methylphenol	ND	78	82	5.0				30 - 130	20
4-Chloroaniline	ND	<5	<5	NC				30 - 130	20
4-Chlorophenyl phenyl ether	ND	88	92	4.4				30 - 130	20
4-Nitroaniline	ND	81	90	10.5				30 - 130	20
4-Nitrophenol	ND	70	78	10.8				30 - 130	20
Acenaphthene	ND	95	102	7.1				30 - 130	20
Acenaphthylene	ND	<5	<5	NC				30 - 130	20
Acetophenone	ND	86	88	2.3				30 - 130	20
Aniline	ND	N/A	N/A	NC				30 - 130	20
Anthracene	ND	91	98	7.4				30 - 130	20
Benz(a)anthracene	ND	94	99	5.2				30 - 130	20
Benzidine	ND	N/A	N/A	NC				30 - 130	20
Benzo(a)pyrene	ND	49	55	11.5				30 - 130	20
Benzo(b)fluoranthene	ND	119	129	8.1				30 - 130	20
Benzo(ghi)perylene	ND	84	93	10.2				30 - 130	20
Benzo(k)fluoranthene	ND	114	120	5.1				30 - 130	20
Benzoic acid	ND	N/A	N/A	NC				30 - 130	20

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzyl butyl phthalate	ND	23	26	12.2				30 - 130	20
Bis(2-chloroethoxy)methane	ND	<5	<5	NC				30 - 130	20
Bis(2-chloroethyl)ether	ND	102	109	6.6				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	92	95	3.2				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	85	92	7.9				30 - 130	20
Carbazole	ND	<5	<5	NC				30 - 130	20
Chrysene	ND	104	110	5.6				30 - 130	20
Dibenz(a,h)anthracene	ND	119	128	7.3				30 - 130	20
Dibenzofuran	ND	88	94	6.6				30 - 130	20
Diethyl phthalate	ND	83	90	8.1				30 - 130	20
Dimethylphthalate	ND	83	88	5.8				30 - 130	20
Di-n-butylphthalate	ND	84	90	6.9				30 - 130	20
Di-n-octylphthalate	ND	80	89	10.7				30 - 130	20
Fluoranthene	ND	82	86	4.8				30 - 130	20
Fluorene	ND	106	113	6.4				30 - 130	20
Hexachlorobenzene	ND	94	103	9.1				30 - 130	20
Hexachlorobutadiene	ND	83	85	2.4				30 - 130	20
Hexachlorocyclopentadiene	ND	31	31	0.0				30 - 130	20
Hexachloroethane	ND	81	84	3.6				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	95	103	8.1				30 - 130	20
Isophorone	ND	95	99	4.1				30 - 130	20
Naphthalene	ND	87	90	3.4				30 - 130	20
Nitrobenzene	ND	90	94	4.3				30 - 130	20
N-Nitrosodimethylamine	ND	80	81	1.2				30 - 130	20
N-Nitrosodi-n-propylamine	ND	87	89	2.3				30 - 130	20
N-Nitrosodiphenylamine	ND	65	75	14.3				30 - 130	20
Pentachloronitrobenzene	ND	92	97	5.3				30 - 130	20
Pentachlorophenol	ND	86	78	9.8				30 - 130	20
Phenanthrene	ND	107	114	6.3				30 - 130	20
Phenol	ND	63	63	0.0				30 - 130	20
Pyrene	ND	62	69	10.7				30 - 130	20
Pyridine	ND	<5	<5	NC				30 - 130	20
% 2,4,6-Tribromophenol	58	87	98	11.9				30 - 130	20
% 2-Fluorobiphenyl	47	83	88	5.8				30 - 130	20
% 2-Fluorophenol	52	66	68	3.0				30 - 130	20
% Nitrobenzene-d5	64	84	87	3.5				30 - 130	20
% Phenol-d5	50	30	32	6.5				30 - 130	20
% Terphenyl-d14	62	81	86	6.0				30 - 130	20

QA/QC Batch 216829, QC Sample No: BD11742 (BD12214, BD12215, BD12216, BD12217)

Pesticides - Ground Water

4,4' -DDD	ND	103	119	14.4	109	124	12.9	40 - 140	20
4,4' -DDE	ND	92	105	13.2	94	96	2.1	40 - 140	20
4,4' -DDT	ND	101	116	13.8	116	117	0.9	40 - 140	20
a-BHC	ND	92	105	13.2	94	97	3.1	40 - 140	20
a-Chlordane	ND	91	102	11.4	92	95	3.2	40 - 140	20
Alachlor	ND	N/A	N/A	NC				40 - 140	20
Aldrin	ND	85	97	13.2	86	90	4.5	40 - 140	20
b-BHC	ND	87	95	8.8	84	90	6.9	40 - 140	20
Chlordane	ND	N/A	N/A	NC				40 - 140	20
d-BHC	ND	87	99	12.9	89	93	4.4	40 - 140	20
Dieldrin	ND	93	105	12.1	95	96	1.0	40 - 140	20
Endosulfan I	ND	88	99	11.8	90	91	1.1	40 - 140	20

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan II	ND	92	104	12.2	95	97	2.1	40 - 140	20
Endosulfan sulfate	ND	93	105	12.1	99	99	0.0	40 - 140	20
Endrin	ND	97	109	11.7	99	100	1.0	40 - 140	20
Endrin aldehyde	ND	87	98	11.9	91	94	3.2	40 - 140	20
Endrin ketone	ND	99	113	13.2	107	112	4.6	40 - 140	20
g-BHC	ND	90	102	12.5	92	95	3.2	40 - 140	20
g-Chlordane	ND	88	100	12.8	89	91	2.2	40 - 140	20
Heptachlor	ND	91	106	15.2	102	107	4.8	40 - 140	20
Heptachlor epoxide	ND	88	100	12.8	90	93	3.3	40 - 140	20
Methoxychlor	ND	105	124	16.6	126	132	4.7	40 - 140	20
Toxaphene	ND	N/A	N/A	NC				40 - 140	20
% DCBP	75	78	90	14.3	63	64	1.6	30 - 150	20
% TCMX	67	80	90	11.8	73	76	4.0	30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

QA/QC Batch 217061, QC Sample No: BD12148 (BD12214, BD12215, BD12216, BD12217)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	97	104	7.0	92	98	6.3	70 - 130	30
1,1,1-Trichloroethane	ND	92	97	5.3	83	94	12.4	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	100	102	2.0	95	100	5.1	70 - 130	30
1,1,2-Trichloroethane	ND	103	106	2.9	96	100	4.1	70 - 130	30
1,1-Dichloroethane	ND	95	99	4.1	91	102	11.4	70 - 130	30
1,1-Dichloroethene	ND	92	96	4.3	87	102	15.9	70 - 130	30
1,1-Dichloropropene	ND	94	100	6.2	84	98	15.4	70 - 130	30
1,2,3-Trichlorobenzene	ND	115	124	7.5	102	112	9.3	70 - 130	30
1,2,3-Trichloropropane	ND	98	100	2.0	93	99	6.3	70 - 130	30
1,2,4-Trichlorobenzene	ND	104	111	6.5	96	107	10.8	70 - 130	30
1,2,4-Trimethylbenzene	ND	101	107	5.8	92	104	12.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	115	114	0.9	96	107	10.8	70 - 130	30
1,2-Dibromoethane	ND	97	102	5.0	94	99	5.2	70 - 130	30
1,2-Dichlorobenzene	ND	98	103	5.0	91	99	8.4	70 - 130	30
1,2-Dichloroethane	ND	93	99	6.3	91	97	6.4	70 - 130	30
1,2-Dichloropropane	ND	105	110	4.7	98	108	9.7	70 - 130	30
1,3,5-Trimethylbenzene	ND	99	104	4.9	92	103	11.3	70 - 130	30
1,3-Dichlorobenzene	ND	100	106	5.8	91	102	11.4	70 - 130	30
1,3-Dichloropropane	ND	102	106	3.8	94	100	6.2	70 - 130	30
1,4-Dichlorobenzene	ND	96	103	7.0	89	98	9.6	70 - 130	30
2,2-Dichloropropane	ND	89	91	2.2	67	77	13.9	70 - 130	30
2-Chlorotoluene	ND	102	105	2.9	90	102	12.5	70 - 130	30
2-Hexanone	ND	116	123	5.9	105	108	2.8	70 - 130	30
2-Isopropyltoluene	ND	97	102	5.0	92	103	11.3	70 - 130	30
4-Chlorotoluene	ND	97	102	5.0	90	101	11.5	70 - 130	30
4-Methyl-2-pentanone	ND	110	113	2.7	105	109	3.7	70 - 130	30
Acetone	ND	84	85	1.2	78	88	12.0	70 - 130	30
Acrylonitrile	ND	85	87	2.3	88	92	4.4	70 - 130	30
Benzene	ND	105	109	3.7	97	108	10.7	70 - 130	30
Bromobenzene	ND	99	103	4.0	89	99	10.6	70 - 130	30
Bromochloromethane	ND	89	96	7.6	87	96	9.8	70 - 130	30
Bromodichloromethane	ND	100	104	3.9	92	101	9.3	70 - 130	30
Bromoform	ND	96	101	5.1	88	93	5.5	70 - 130	30
Bromomethane	ND	66	74	11.4	45	74	48.7	70 - 130	30

m

l,m,r

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Carbon Disulfide	ND	88	92	4.4	91	105	14.3	70 - 130	30
Carbon tetrachloride	ND	84	89	5.8	79	90	13.0	70 - 130	30
Chlorobenzene	ND	100	105	4.9	92	100	8.3	70 - 130	30
Chloroethane	ND	91	96	5.3	89	103	14.6	70 - 130	30
Chloroform	ND	94	98	4.2	89	98	9.6	70 - 130	30
Chloromethane	ND	106	109	2.8	107	122	13.1	70 - 130	30
cis-1,2-Dichloroethene	ND	96	99	3.1	89	99	10.6	70 - 130	30
cis-1,3-Dichloropropene	ND	94	99	5.2	87	93	6.7	70 - 130	30
Dibromochloromethane	ND	100	104	3.9	91	96	5.3	70 - 130	30
Dibromomethane	ND	100	102	2.0	91	97	6.4	70 - 130	30
Dichlorodifluoromethane	ND	80	88	9.5	91	111	19.8	70 - 130	30
Ethylbenzene	ND	98	104	5.9	91	102	11.4	70 - 130	30
Hexachlorobutadiene	ND	80	91	12.9	85	94	10.1	70 - 130	30
Isopropylbenzene	ND	102	106	3.8	91	103	12.4	70 - 130	30
m&p-Xylene	ND	99	104	4.9	92	100	8.3	70 - 130	30
Methyl ethyl ketone	ND	99	105	5.9	107	118	9.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	79	82	3.7	83	87	4.7	70 - 130	30
Methylene chloride	ND	88	92	4.4	86	96	11.0	70 - 130	30
Naphthalene	ND	127	133	4.6	105	119	12.5	70 - 130	30
n-Butylbenzene	ND	98	108	9.7	92	105	13.2	70 - 130	30
n-Propylbenzene	ND	103	111	7.5	91	104	13.3	70 - 130	30
o-Xylene	ND	100	107	6.8	93	102	9.2	70 - 130	30
p-Isopropyltoluene	ND	99	108	8.7	92	103	11.3	70 - 130	30
sec-Butylbenzene	ND	95	104	9.0	91	103	12.4	70 - 130	30
Styrene	ND	100	106	5.8	95	103	8.1	70 - 130	30
tert-Butylbenzene	ND	99	106	6.8	91	103	12.4	70 - 130	30
Tetrachloroethene	ND	94	102	8.2	85	95	11.1	70 - 130	30
Tetrahydrofuran (THF)	ND	103	105	1.9	102	104	1.9	70 - 130	30
Toluene	ND	101	105	3.9	93	102	9.2	70 - 130	30
trans-1,2-Dichloroethene	ND	93	97	4.2	87	99	12.9	70 - 130	30
trans-1,3-Dichloropropene	ND	93	97	4.2	85	92	7.9	70 - 130	30
trans-1,4-dichloro-2-butene	ND	95	96	1.0	84	89	5.8	70 - 130	30
Trichloroethene	ND	100	103	3.0	86	98	13.0	70 - 130	30
Trichlorofluoromethane	ND	94	101	7.2	86	102	17.0	70 - 130	30
Trichlorotrifluoroethane	ND	87	96	9.8	83	98	16.6	70 - 130	30
Vinyl chloride	ND	102	107	4.8	99	118	17.5	70 - 130	30
% 1,2-dichlorobenzene-d4	101	102	101	1.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	94	96	101	5.1	99	97	2.0	70 - 130	30
% Dibromofluoromethane	91	88	91	3.4	91	90	1.1	70 - 130	30
% Toluene-d8	101	99	100	1.0	101	99	2.0	70 - 130	30

QA/QC Batch 216967, QC Sample No: BD12216 (BD12214, BD12215, BD12216, BD12217)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	82	90	9.3				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	93	97	4.2				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	71	75	75	0.0				30 - 150	20

QA/QC Data

SDG I.D.: GBD12214

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% TCMX (Surrogate Rec)	65	89	89	0.0				30 - 150	20

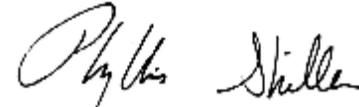
Comment:

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

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

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

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



Phyllis Shiller, Laboratory Director
January 02, 2013

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12214	\$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	9.6	1.0	7	7	ug/L
BD12214	\$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	9.6	1.0	7	7	ug/L
BD12214	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12214	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12214	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD12214	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12214	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12214	\$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD12214	\$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BD12214	\$8270-SIMFSR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD12214	\$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	20	5	5	ug/L
BD12214	\$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BD12214	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	20	5	5	ug/L
BD12214	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	20	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BD12214	\$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	20	5	5	ug/L
BD12214	\$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	50	1	1	ug/L
BD12214	\$8270-SIMFSR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	50	1	1	ug/L
BD12214	\$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BD12214	\$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	50	1	1	ug/L
BD12214	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12214	\$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BD12214	\$8270-SIMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.060	0.04	0.04	ug/L
BD12214	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.040	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.040	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.050	0.002	0.002	ug/L
BD12214	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.050	0.002	0.002	ug/L
BD12214	\$PCB_WMR	PCB-1016	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1016	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1221	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1221	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1232	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1232	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1242	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1242	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1248	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1248	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1254	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1254	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1260	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.14	0.10	0.09	0.09	ug/L
BD12214	\$PCB_WMR	PCB-1260	NY / TOGS - Water Quality / GA Criteria	0.14	0.10	0.09	0.09	ug/L
BD12214	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.26	0.06	0.06	ug/L
BD12214	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	81.1	0.10	0.1	0.1	mg/L
BD12214	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.057	0.004	0.025	0.025	mg/L
BD12214	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	3.05	0.002	1	1	mg/L
BD12214	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.005	0.001	0.003	0.003	mg/L
BD12214	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.647	0.001	0.05	0.05	mg/L
BD12214	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.513	0.005	0.2	0.2	mg/L
BD12214	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.68	0.01	0.1	0.1	mg/L
BD12214	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.751	0.011	0.3	0.3	mg/L
BD12214	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.22	0.001	0.3	0.3	mg/L
BD12214	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	56.0	0.11	20	20	mg/L
BD12214	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD12214	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L
BD12214	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12214	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	250	0.10	0.3	0.3	mg/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12214	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	105	0.10	35	35	mg/L
BD12214	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	9.11	0.010	0.3	0.3	mg/L
BD12214	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	58.9	0.1	20	20	mg/L
BD12214	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.443	0.001	0.1	0.1	mg/L
BD12214	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.414	0.002	0.025	0.025	mg/L
BD12214	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.014	0.005	0.003	0.003	mg/L
BD12214	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12215	\$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	19	1.0	7	7	ug/L
BD12215	\$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	19	1.0	7	7	ug/L
BD12215	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12215	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12215	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD12215	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12215	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12215	\$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.3	1	1	ug/L
BD12215	\$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	0.4	0.4	ug/L
BD12215	\$8270-SIMFSR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	53	50	50	ug/L
BD12215	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12215	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L
BD12215	\$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12215	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L
BD12215	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	21	1	1	ug/L
BD12215	\$8270-SIMFSR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12215	\$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12215	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12215	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12215	\$8270-SIMFSR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12215	\$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12215	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12215	\$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12215	\$8270-SIMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.063	0.04	0.04	ug/L
BD12215	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.042	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.042	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12215	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12215	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.26	0.06	0.06	ug/L
BD12215	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	76.0	0.10	0.1	0.1	mg/L
BD12215	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.051	0.004	0.025	0.025	mg/L
BD12215	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	2.29	0.002	1	1	mg/L
BD12215	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.005	0.001	0.003	0.003	mg/L
BD12215	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.583	0.001	0.05	0.05	mg/L
BD12215	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.453	0.005	0.2	0.2	mg/L
BD12215	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.50	0.01	0.1	0.1	mg/L
BD12215	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.438	0.011	0.3	0.3	mg/L
BD12215	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.485	0.001	0.3	0.3	mg/L
BD12215	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	57.1	0.11	20	20	mg/L
BD12215	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD12215	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12215	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12215	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	224	0.10	0.3	0.3	mg/L
BD12215	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	88.9	0.10	35	35	mg/L
BD12215	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	9.78	0.010	0.3	0.3	mg/L
BD12215	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	57.8	0.1	20	20	mg/L
BD12215	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.439	0.001	0.1	0.1	mg/L
BD12215	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.372	0.002	0.025	0.025	mg/L
BD12215	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.012	0.005	0.003	0.003	mg/L
BD12215	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12216	\$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	10	1.0	7	7	ug/L
BD12216	\$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	10	1.0	7	7	ug/L
BD12216	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12216	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12216	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD12216	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12216	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12216	\$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.3	1	1	ug/L
BD12216	\$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	0.4	0.4	ug/L
BD12216	\$8270-SIMFSR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	53	50	50	ug/L
BD12216	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L
BD12216	\$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12216	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L
BD12216	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	21	1	1	ug/L
BD12216	\$8270-SIMFSR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12216	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12216	\$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12216	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12216	\$8270-SIMFSR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12216	\$8270-SIMFSR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12216	\$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12216	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12216	\$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12216	\$8270-SIMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.063	0.04	0.04	ug/L
BD12216	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.042	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.042	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12216	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12216	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD12216	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	197	0.10	0.1	0.1	mg/L
BD12216	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.136	0.004	0.025	0.025	mg/L
BD12216	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	5.47	0.002	1	1	mg/L
BD12216	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.012	0.001	0.003	0.003	mg/L
BD12216	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.005	0.005	mg/L
BD12216	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	1.34	0.001	0.05	0.05	mg/L
BD12216	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.29	0.005	0.2	0.2	mg/L
BD12216	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.44	0.01	0.1	0.1	mg/L
BD12216	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.335	0.011	0.3	0.3	mg/L
BD12216	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.42	0.001	0.3	0.3	mg/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12216	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	61.4	0.11	20	20	mg/L
BD12216	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD12216	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L
BD12216	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12216	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	540	0.10	0.3	0.3	mg/L
BD12216	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	188	0.10	35	35	mg/L
BD12216	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	23.6	0.10	0.3	0.3	mg/L
BD12216	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	76.0	1.0	20	20	mg/L
BD12216	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	1.07	0.001	0.1	0.1	mg/L
BD12216	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.761	0.002	0.025	0.025	mg/L
BD12216	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.028	0.005	0.003	0.003	mg/L
BD12216	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12217	\$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	10	1.0	7	7	ug/L
BD12217	\$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	10	1.0	7	7	ug/L
BD12217	\$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12217	\$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.4	0.4	ug/L
BD12217	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD12217	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12217	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD12217	\$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.3	1	1	ug/L
BD12217	\$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	0.4	0.4	ug/L
BD12217	\$8270-SIMFSR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	53	50	50	ug/L
BD12217	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD12217	\$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L
BD12217	\$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12217	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	21	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GBD12214 - EBC

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12217	\$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	21	1	1	ug/L
BD12217	\$8270-SIMFSR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	11	1	1	ug/L
BD12217	\$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	21	5	5	ug/L
BD12217	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12217	\$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BD12217	\$8270-SIMFSR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12217	\$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	53	1	1	ug/L
BD12217	\$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12217	\$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BD12217	\$8270-SIMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	0.063	0.04	0.04	ug/L
BD12217	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.042	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.042	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.053	0.002	0.002	ug/L
BD12217	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.053	0.002	0.002	ug/L
BD12217	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD12217	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	171	0.10	0.1	0.1	mg/L
BD12217	AS-WM	Arsenic	NY / TOGS - Water Quality / GA Criteria	0.131	0.004	0.025	0.025	mg/L
BD12217	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	5.12	0.002	1	1	mg/L
BD12217	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.011	0.001	0.003	0.003	mg/L
BD12217	CD-WM	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.005	0.005	mg/L
BD12217	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	1.16	0.001	0.05	0.05	mg/L
BD12217	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.16	0.005	0.2	0.2	mg/L

Sample Criteria Exceedences Report

GBD12214 - EBC

Requested Criteria: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD12217	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.62	0.01	0.1	0.1	mg/L
BD12217	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.655	0.011	0.3	0.3	mg/L
BD12217	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.45	0.001	0.3	0.3	mg/L
BD12217	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	61.2	0.11	20	20	mg/L
BD12217	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BD12217	D-SE	Selenium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.011	0.01	0.01	mg/L
BD12217	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BD12217	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	472	0.10	0.3	0.3	mg/L
BD12217	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	174	0.10	35	35	mg/L
BD12217	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	20.8	0.10	0.3	0.3	mg/L
BD12217	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	71.1	1.0	20	20	mg/L
BD12217	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	1.00	0.001	0.1	0.1	mg/L
BD12217	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.707	0.002	0.025	0.025	mg/L
BD12217	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	0.029	0.005	0.003	0.003	mg/L
BD12217	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	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.



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NY Temperature Narration

January 02, 2013

SDG I.D.: GBD12214

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

