1353 FLATBUSH AVENUE

BROOKLN, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: N/A

NYC OER Project Number: 16EHAZ157K

Prepared for:

Hello Living / Hello Flatbush, LLC

33 35th Street – 6th Floor, Brooklyn, NY 11232

718-435-8212

Prepared by:

Hydro Tech Environmental, Corp.

15 Ocean Avenue – 2nd Floor, Brooklyn, NY 11225

718-636-0800

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REMEDIAL INVESTIGATION REPORT

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

Appendix A – Previous Environmental Reports

Appendix B - Photographs

Appendix C – Geophysical Investigation Report

Appendix D – Soil Probe Geologic Logs

Appendix E – Monitoring Well Construction Logs

Appendix F – Well Gauging, Purging and Sampling Logs

Appendix G – Soil Vapor Sampling Logs

Appendix H – Laboratory Data Deliverables for Soil Analytical Data

Appendix I – Laboratory Data Deliverables for Groundwater Analytical Data

Appendix J – Laboratory Data Deliverables for Soil Vapor Analytical Data

LIST OF ACRONYMS

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

CERTIFICATION

I, Mark E. Robbins, 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 1353 Flatbush Avenue Site, (NYC OER Site No. 16EHAZ157K). 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.

Mark Robbins 2/1/2016 Mark E. Robbins

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 1353 Flatbush Avenue in the Flatbush section in Brooklyn, New York and is identified as Block 5227 and Lots 13, 15 and 16 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 9,744-square feet and is bounded by a 2-story mixed-use structure to the north, a 2-story mixed-use structure to the south, East 26th Street to the east, and Flatbush Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant lot.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 7-story, mixed-use building with a full basement. The basement and first floor will contain retail space with the 2nd through 7th floors containing 35 residential units. The building footprint will cover 7,837 square feet, 80% of the site. The remaining portion of the site will be used for a rear yard and paved walkways.

The proposed development will involve the excavation of the building footprint to a maximum depth of 14.5 feet below grade. Groundwater is expected at 20 feet below grade at the Site; therefore dewatering is not anticipated during excavation. Approximately 6,313 tons of soil will be excavated and removed from this Site.

Layout of the proposed site development is presented in Figure 3**.** The current zoning designation is C2-4/R7A. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of a Phase I Environmental Site Assessment (ESA) Report prepared by Singer Environmental Group (November 2004) for Lot 16, a Site history was established. According to Sanborn Fire Rate Insurance Maps, the Site was undeveloped from as early as 1907. The 1930 and 1950 maps show Lot 13 as a filling station with five gasoline tanks. By 1969 the tanks are no longer shown and the filing station replaced with 2 commercial buildings. By

1977 one of the commercial buildings is occupied by an auto repair shop and Lot 16 is labeled as parking. This configuration remained until 1992 when the auto repair was replaced by used auto sales.

The AOCs identified for this site include:

1. The historical use of the Site as a filling station, auto report and auto sales.

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. Conducted a site-wide geophysical survey to identify buried anomalies indicative of subsurface structures;
3. Installed 6 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 3 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality; and
5. Installed 4 soil vapor probes around Site perimeter and collected 4 samples for chemical analysis.

Summary of Environmental Findings

1. No evidence of USTs was observed at the Site.
2. Elevation of the property ranges from 27.04 to 28.89 feet.
3. Depth to groundwater ranges from 24.20 to 24.81 feet below grade at the Site.
4. Groundwater flow is generally from northeast to southwest beneath the Site.
5. Bedrock was not encountered within 35 feet below grade at the Site.
6. The stratigraphy of the site, from the surface down, consists of 2 feet of brown silty sand, underlain by approximately 2 to 4 feet of light brown sandy clay, underlain by approximately 30 feet of tan coarse-grained sand.

7. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples collected during the RI showed no detectable concentration of PCBs. Three volatile organic compounds (VOCs) including acetone (max. 0.11 milligrams per kilogram [mg/kg]), 1,2,4-trimethylbenzene (max. 4 mg/kg) and methyl ethyl ketone (max. 0.14 mg/kg) were detected in two deep soil samples at concentrations exceeding Unrestricted Use SCOs. Tetrachloroethylene was also detected at 0.026 mg/kg in one deep sample, but below Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of polycyclic aromatic hydrocarbon (PAH) compounds were detected in three shallow soil samples at concentrations exceeding Restricted Residential Use SCOs, including benz(a)anthracene (max. 110 mg/kg), benzo(a)pyrene (max. 99 mg/kg), benzo(b)fluoranthene (max. 100 mg/kg), benzo(k)fluoranthene (max. 73 mg/kg), chrysene (max. 120 mg/kg), dibenzo(a,h)anthracene (max. 16 mg/kg), fluoranthene (max. 270 mg/kg), indeno(1,2,3-cd)pyrene (max. 65 mg/kg), phenanthrene (max. 190 mg/kg) and pyrene (max. 220 mg/kg). One SVOC, dibenzofuran (max. 11 mg/kg), was detected in two shallow samples at a concentration exceeding Unrestricted Use SCO. The pesticide, 4,4'-DDT (max. 0.011 mg/kg), was detected in two shallow samples and two deep samples at concentrations exceeding Unrestricted Use SCO. Several metals including arsenic (max. 18.6 mg/kg), barium (max. 451 mg/kg), cadmium (max. 3.71 mg/kg), copper (max. 1,380 mg/kg), lead (max. 2,660 mg/kg) and mercury (max. 1.21 mg/kg) were detected in three shallow soil samples at concentrations exceeding Restricted Residential Use SCOs. Nickel (max. 42.9 mg/kg) and zinc (max. 541 mg/kg) were also detected at concentrations exceeding Unrestricted Use SCOs.

8. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no PCBs or pesticides in any sample. Three VOCs were detected above GQS including isopropylbenzene (25 µg/L) and n-propylbenzene (39 µg/L) in MW-2, and chloroform (max. 11 µg/L) in MW-3. Four SVOCs were detected above GQS in MW-3, including benz(a)anthracene (0.03 µg/L), benzo(b)fluoranthrene (0.02 µg/L), benzo(k)fluoranthrene (0.02 µg/L) and chrysene (0.02 µg/L). Several

dissolved metals were identified in groundwater but only manganese (max. 1.1 µg/L) and sodium (max. 143 µg/L) exceeded their respective GQS.

9. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor results collected during the RI showed relatively low-levels of petroleum related VOCs. Total concentrations of petroleum-related VOCs (BTEX) ranged from 12.83 µg/m^3 to 38.79 µg/m^3. Toluene was the highest detected petroleum-related compound with a concentration of 17.2 µg/m^3 in SV-3. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 6.05 µg/m^3, 1,1,1-trichloroethane (TCA) detected at 0.383 µg/m^3 and trichloroethylene (TCE) detected at a maximum of 0.081 µg/m^3. Concentrations for PCE, TCE and carbon tetrachloride were below the monitoring level ranges established within the State DOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Hello Living/Hello Flatbush LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.224-acre site located at 1353 Flatbush Avenue in the Flatbush section of Brooklyn, New York. Mixed-use commercial and residential uses are proposed for the property. The RI work was performed between December 9 and 11, 2015. 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 1353 Flatbush Avenue in the Flatbush section in Brooklyn, New York and is identified as Block 5227 and Lots 13, 15 and 16 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 9,744-square feet and is bounded by a 2-story mixed-use structure to the north, a 2-story mixed-use structure to the south, East 26th Street to the east, and Flatbush Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant lot.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 7-story, mixed use building with a full basement. The basement and first floor will contain retail space with the 2nd through 7th floors containing 35 residential units. The building footprint will cover 7,837 square feet, 80% of the site. The remaining portion of the site will be used for a rear yard and paved walkways.

The proposed development will involve the excavation of the building footprint to a maximum depth of 14.5 feet below grade. Groundwater is expected at 20 feet below grade at the Site; therefore dewatering is not anticipated during excavation. Approximately 6,313 tons of soil will be excavated and removed from this Site.

Layout of the proposed site development is presented in Figure 3**.** The current zoning designation is C2-4/R7A. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area surrounding the Site consists of a mix of residential and commercial properties. An evaluation of the OER's *SPEED* application indicated that there is one (1) sensitive receptor present within a 500-foot radius of the Subject Property. This sensitive receptor is Kids Etcetera Day Care Center, Inc. located approximately 300 feet northwest of the Site at 1331 Flatbush Avenue. No other sensitive receptors (such as schools, hospitals or day-care facilities) are present within a 500-foot radius of the Site. The surrounding land usages are presented in Figure 4.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based upon the review of a Phase I Environmental Site Assessment (ESA) Report prepared by Singer Environmental Group (November 2004) for Lot 16, a Site history was established. According to Sanborn Fire Rate Insurance Maps, the Site was undeveloped from as early as 1907. The 1930 and 1950 maps show Lot 13 as a filling station with five gasoline tanks. By 1969 the tanks are no longer shown and the filing station replaced with 2 commercial buildings. By 1977 one of the commercial buildings is occupied by an auto repair shop and Lot 16 is labeled as parking. This configuration remained until 1992 when the auto repair was replaced by used auto sales.

2.2 Previous Investigations

Based on the Phase I ESA, a limited Subsurface Investigation was performed by Associated Environmental Services, LTD. (AES) in August 2005, which revealed the presence of subsurface anomalies consistent with underground storage tanks (USTs). Tank closure activities occurred from April to June 2006 and included the removal of 5 gasoline 550-gallon USTs and 1 fuel oil 300-gallon UST. Due to evidence of soil contamination in the vicinity of the tanks, NYSDEC was notified and Spill Nos. 06-00423 and 06-00910 assigned. Approximately 114.85 tons of contaminated soil was removed from the Site and properly disposed of. Eight (8) end-point samples were collected from the sidewalls and bottom of the 5 gasoline USTs excavation pit and 2 samples from the area of the fuel oil UST. Based on the analytical results of the end-point samples, both spill cases were closed by NYSDEC on July 10, 2006. The Phase I ESA, UST Closure Report and NYSDEC Spill Closure Letter are provided in Appendix A.

2.3 Site Inspection

A site inspection was conducted by Mr. A.J. Infante of Hydro Tech Environmental, Corp. on December 9, 2015. During the site inspection, the property was observed to be vacant, with a portion of the property located on the exterior of the Site's perimeter fencing. This area is currently utilized as parking for adjacent residential structures and is reportedly an easement. The weather was noted as overcast and approximately 50-degrees Fahrenheit.

2.4 Areas of Concern

The AOCs identified for this site include:

1. The historical use of the Site as a filling station, auto report and auto sales.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mr. Mark E. Robbins. The Project Geologist is Mr. A.J. Infante.

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. All investigatory derived wastes (IDW) generated during the RI were placed in 55-gallon drums and properly disposed of.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hydro Tech Environmental Corp performed the following scope of work at the Site in December of 2015:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a site-wide geophysical survey to identify buried anomalies indicative of subsurface structures;
3. Installed 6 soil borings across the entire project Site, and collected 12 soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed 3 groundwater monitoring wells throughout the Site to establish groundwater flow and collected 3 groundwater samples for chemical analysis to evaluate groundwater quality; and
5. Installed 4 soil vapor probes around Site perimeter and collected 4 samples for chemical analysis.

Photographs taken during the investigation are provided in Appendix B.

4.1 Geophysical Investigation

A geophysical survey was conducted in all reasonably accessible portions of the property on December 9, 2015. The geophysical survey was performed utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. No subsurface anomalies indicative of underground storage tanks (USTs) or other sizeable subsurface debris were observed.

The geophysical report is provided in Appendix C.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of 6 soil probes (designated SP-1 through SP-6), 3 groundwater monitoring wells (designated MW-1 through MW-3) and 4 soil vapor probes (designated SV-1 through SV-4) were installed at the Site in accordance with the Phase II Work Plan (Short Form) prepared by Hydro Tech and accepted by the OER during December 2015. Geoprobe direct-push drilling technology was utilized to install soil probes, monitoring wells and soil vapor probes to a

maximum depth of 35 feet below grade. Soil samples were collected utilizing a 5-foot long Macro Core sampler fitted with dedicated acetate liners. The soil was screened and characterized at two-foot intervals. Each Macro Core was cut open and immediately screened with a properly calibrated Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. No PID readings above background concentrations were detected; however, slight visual and olfactory evidence of soil contamination was observed from approximately 12 to 16 feet below grade in soil probe SP-5. A representative soil sample was collected from this interval. Continuous soil samples were collected during soil probe installation.

Boring logs were prepared by a geologist and are attached in Appendix D. A map showing the location of soil borings and monitor wells is shown in Figure 5.

Groundwater Monitoring Well Construction

Three (3) groundwater monitoring wells, designated MW-1 through MW-3, were installed using Geoprobe direct-push drilling technology to a total depth of 35 feet bgs and constructed of 1-inch diameter PVC. The well screens consisted of 0.020-inch slots and extended 15 feet from the bottom of the well to intersect the water table. The remaining portions of the wells consisted of solid riser.

Monitoring well construction logs were prepared by a geologist and are provided in Appendix E. Monitoring well locations are shown in Figure 5.

Soil Vapor

Four (4) soil vapor probes, designated SV-1 through SV-4, were installed to a depth of 20 feet below grade. The soil vapor probes were installed in accordance with the NYSDOH guidance for evaluating soil vapor intrusion dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Each of the implants was of 1 ½-inch diameter. Glass beads were poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non-VOC quick set cement. A map showing the locations of soil vapor implants is shown in Figure 5.

Survey

Soil borings, monitoring wells and soil gas sampling locations were located by measuring to permanent site features.

Water Level Measurement

Prior to groundwater purging and sampling of the monitoring wells, the wells were gauged for the presence of Light, Non-Aqueous Phase Liquid (LNAPL) and also monitored to determine the depth to water. The well gauging and monitoring was performed utilizing a Solinst® 122 Oil/Water Interface Probe (Interface Probe). The Interface Probe can measure depths to water to 0.01 inch. Well gauging and monitoring was performed in the wells from the northern portion of the casing top.

LNAPL was not identified in the monitoring wells during the well gauging exercise. Groundwater was encountered between 24.20 feet to 24.81 feet below grade at the Site. Water level data and well is included in Appendix F. A Groundwater Elevation Contour Diagram is provided in Figure 6.

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

Twelve (12) soil samples were collected for chemical analysis during this RI; these include 6 samples from 0 to 2 feet below grade, 3 samples from 4 to 6 feet below grade and 3 samples from 14.5 to 16.5 feet below grade. Samples were collected utilizing a 5-foot long Macro Core sampler fitted with dedicated acetate liners.

All samples were properly handled and placed into the pre-cleaned, appropriately labeled, laboratory supplied containers. Two (2) trip blank samples were collected and submitted to the laboratory. The samples were placed in a cooler filled with ice and maintained at a maximum of 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a

New York State Department of Health ELAP-certified laboratory for confirmatory laboratory analyses. 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. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 4. Figure 5 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Three (3) groundwater samples were collected for chemical analysis during this RI. Groundwater samples from the monitoring wells were collected using the low stress (low flow) purging and sampling procedures. The low flow was accomplished with a Solinst Bladder Pump and the continuous flow was monitored with a Horiba U-52 water quality meter until the readings had stabilized.

The water samples were collected in laboratory-supplied jars, properly labeled with the sample number, the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples at the ELAP certified and accredited laboratory. The groundwater samples were analyzed for TCL VOCs, TCL SVOCs, pesticides, PCBs, dissolved and total TAL metals.

Groundwater sample collection data is reported in Tables 5 through 8. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix F. Figure 5 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four (4) soil vapor probes were installed and 4 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 9. Soil vapor sampling logs are included in Appendix

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

Dedicated tubing was used for each soil vapor probe. A soil vapor sample was collected from each vapor probe utilizing a 6 liter pre-cleaned, passivated, evacuated whole air Summa® Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-gas Detector). Helium detector readings did not exceed 0 parts per million (ppm) indicating Helium was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

The soil vapor probes were connected to ¼-inch outer diameter inert Teflon-lined polyethylene tubing which extended above ground surface to allow for purging and sampling. The Summa Canisters were calibrated for 6 hours and the soil vapor sampling was run on each canister for the duration of 6 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and stop time was recorded. After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State and analyzed for VOCs via EPA 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 Mark E. Robbins
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Phoenix Environmental Laboratories, Inc.
Chemical Analytical	Soil and groundwater analytical methods:

Methods	• TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 9. Laboratory data deliverables for all soil, groundwater and soil vapor samples evaluated in this RIR are provided in digital form in Appendix H, Appendix I and Appendix J, respectively.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Site is located in the south-central portion of Kings County, New York. The elevation of the Site is approximately 28 feet above mean sea level (USGS 7 ½-Minute Brooklyn, New York Quadrangle, 1996).

Stratigraphy

The stratigraphy of the site, from the surface down, consists of 2 feet of brown silty sand, underlain by approximately 2 to 4 feet of light brown sandy clay, underlain by approximately 30 feet of tan coarse-grained sand. Drilling did not occur deeper than 35 feet bgs and bedrock was not encountered.

Hydrogeology

Water level data for all monitoring wells is included in Appendix F. The depth to water ranges from 24.20 feet to 24.81 feet. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in Figure 6. Groundwater flow is towards the southwest.

5.2 Soil Chemistry

Soil/fill samples collected during the RI show 3 volatile organic compounds (VOCs), acetone (max. 0.11 mg/kg), 1,2,4-trimethylbenzene (max. 4 mg/kg) and methyl ethyl ketone (max. 0.14 mg/kg), exceeding Track 1 Unrestricted Use Soil Cleanup Objectives in two deep samples. VOCs detected but not exceeding Track 1 SCOs include 1,3,5-trimethylbenzene, 2-hexanone, 4-methyl-2-pentanone, ethylbenzene, xylenes, naphthalene and tetrachloroethylene. Semi-volatile organic compounds (SVOCs) consisting of polycyclic aromatic hydrocarbon (PAH) compounds were detected in 3 shallow soil samples at concentrations exceeding Track 2 Restricted Residential Use SCOs, including benzo(a)anthracene (max. 110 mg/kg), benzo(a)pyrene (max. 99 mg/kg), benzo(b)fluoranthene (max. 100 mg/kg), benzo(k)fluoranthene (max. 73 mg/kg), chrysene (max. 120 mg/kg), dibenzo(a,h)anthracene (max. 16 mg/kg), fluoranthene (max. 270 mg/kg), indeno(1,2,3-cd)pyrene (max. 65 mg/kg), phenanthrene (max. 190 mg/kg) and pyrene (max. 220 mg/kg). One SVOC, dibenzofuran (max. 11 mg/kg), was detected in 2 shallow samples exceeding its Track 1 SCO but below its Track 2 Restricted Residential Use SCO. SVOCs detected but not exceeding Track 1 SCOs include 2-methylnaphthalene, acenaphthene, anthracene, benzo(g,h,i)perylene, benzyl butyl phthalate,

carbazole and fluorene. The pesticide, 4,4'-DDT (max. 0.011 mg/kg), was detected in 2 shallow samples and 2 deep samples at concentrations exceeding its Track 1 SCO. Two (2) other pesticides, endrin aldehyde and endrin ketone, were detected but not exceeding Track 1 SCOs. No PCBs were detected in any of the soil/fill samples collected. Metals were detected in all samples. Metals were detected in 3 shallow soil samples at concentrations exceeding Track 2 Restricted Residential Use SCOs, including lead (max. 2,660 mg/kg), arsenic (max. 18.6 mg/kg), barium (max. 451 mg/kg), cadmium (max. 3.71 mg/kg), copper (max. 1,380 mg/kg) and mercury (max. 1.21 mg/kg). Metals were detected in all 6 shallow soil samples and 3 deep soil samples at concentrations exceeding Track 1 SCOs but below their respective Track 2 Restricted Residential Use SCOs, including nickel (max. 42.9 mg/kg) and zinc (max. 541 mg/kg). Aluminum, antimony, beryllium, calcium, chromium, cobalt, iron, magnesium, manganese, potassium, silver, sodium and vanadium were detected at concentrations less than Track 1 SCOs.

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 1 through 4. Figures 7 through 10 show the locations and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Groundwater samples collected during the RI show 2 VOCs detected above New York State 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS) in MW-2, including isopropylbenzene (25 µg/L) and n-propylbenzene (39 µg/L), and the VOC, chloroform (11 µg/L), detected of the GQS in MW-3. Chloroform was also detected below the GQS in MW-1. Four (4) SVOCs were detected above the GQS in MW-3, including benzo(a)anthracene (0.03 µg/L), benzo(b)fluoranthrene (0.02 µg/L), benzo(k)fluoranthrene (0.02 µg/L) and chrysene (0.02 µg/L). Other SVOCs detected in groundwater samples below the GQS include naphthalene, phenanthrene and pyrene. No pesticides or PCBs were detected in any of the groundwater samples collected. Dissolved metals manganese (max. 1.1 µg/L) and sodium (max. 143 µg/L) were detected at concentrations above the GQS in all groundwater samples collected. Dissolved metals detected but not at concentrations above the GQS include aluminum, barium, calcium, cobalt, iron, lead, magnesium, nickel, potassium and zinc.

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 5 through 8. Exceedances of applicable groundwater standards are shown.

Figures 11 through 13 show the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 Soil Vapor Chemistry

Soil vapor results collected during the RI show relatively low-level petroleum related and associated derivatives in each sample. The petroleum related compounds range from 0.243 $\mu g/m^3$ to 17.2 $\mu g/m^3$. Toluene was the highest detected petroleum related compound with a concentration of 17.2 $\mu g/m^3$ in SV-3. Chlorinated VOCs were also detected in soil vapor samples and range from 0.048 $\mu g/m^3$ to 6.05 $\mu g/m^3$. Tetrachloroethylene (PCE) was the highest detected chlorinated VOC with a concentration of 6.05 $\mu g/m^3$. PCE and carbon tetrachloride were also detected in the outdoor ambient air sample.

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 9.

Figure 14 shows the location and posts the values for soil vapor samples with detected concentrations.

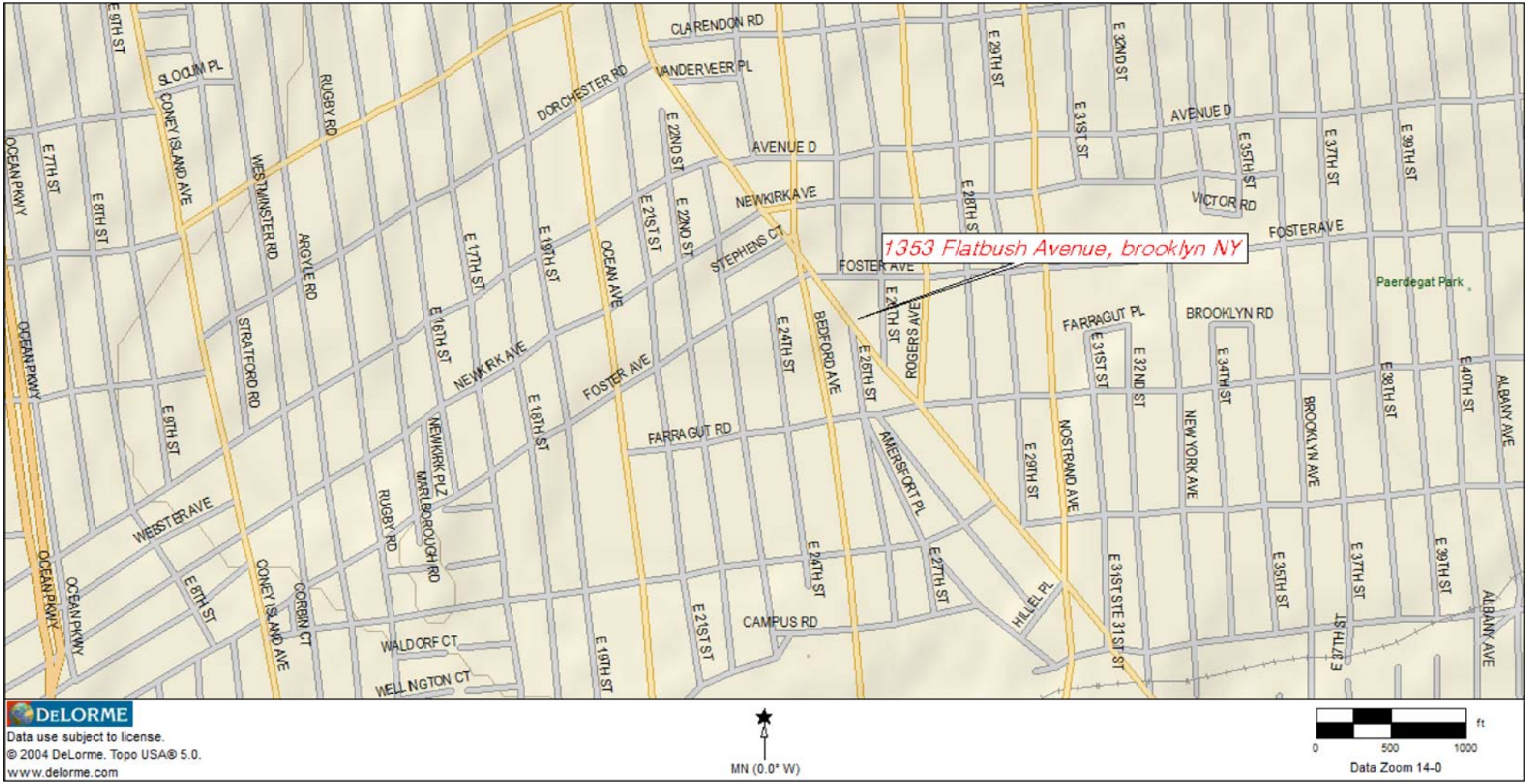
5.5 Prior Activity

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.

FIGURES



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Date: 12/31/15
Scale: AS NOTED

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FIGURE 1: SITE LOCATION MAP

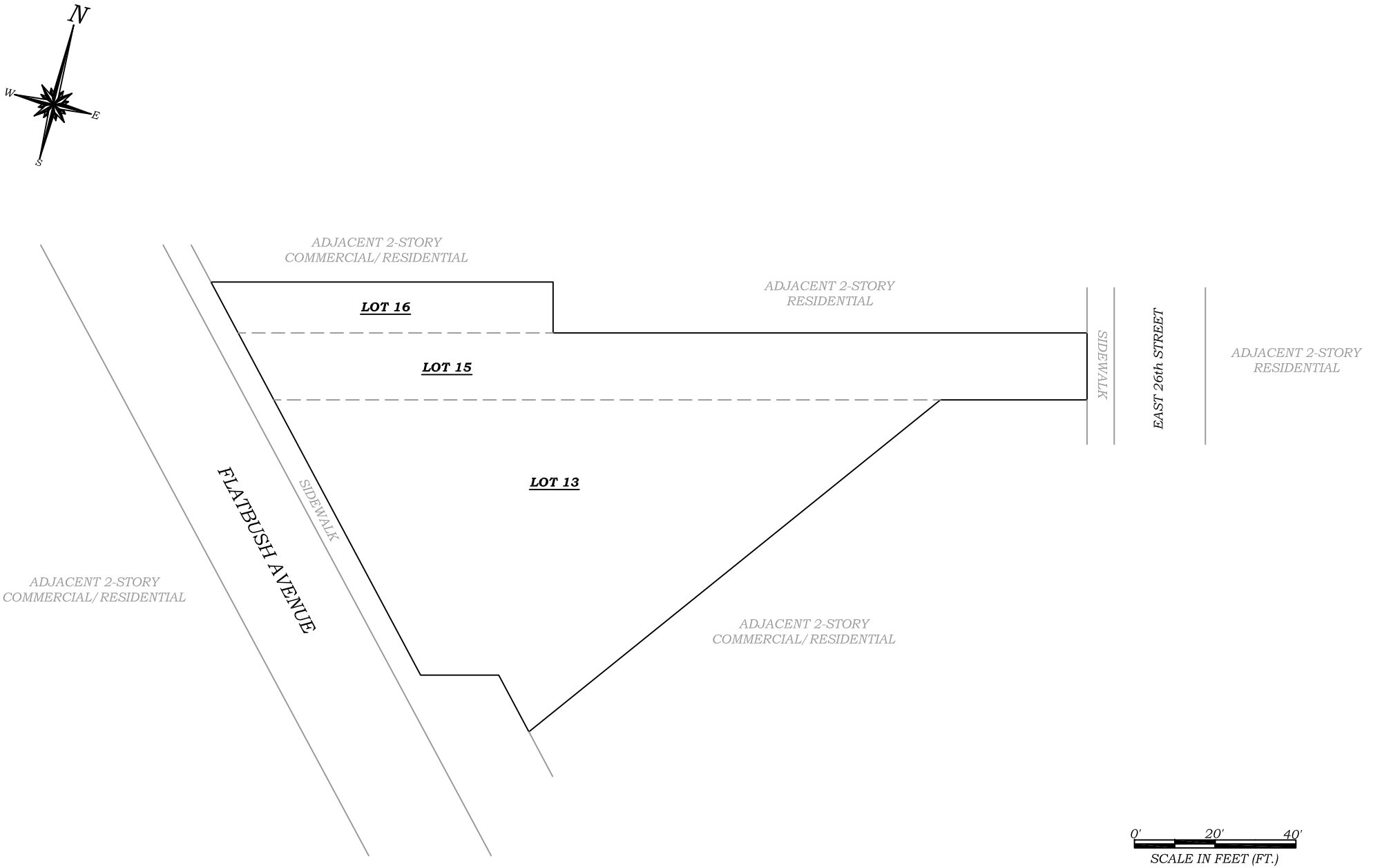

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FIGURE 2: SITE BOUNDARY MAP

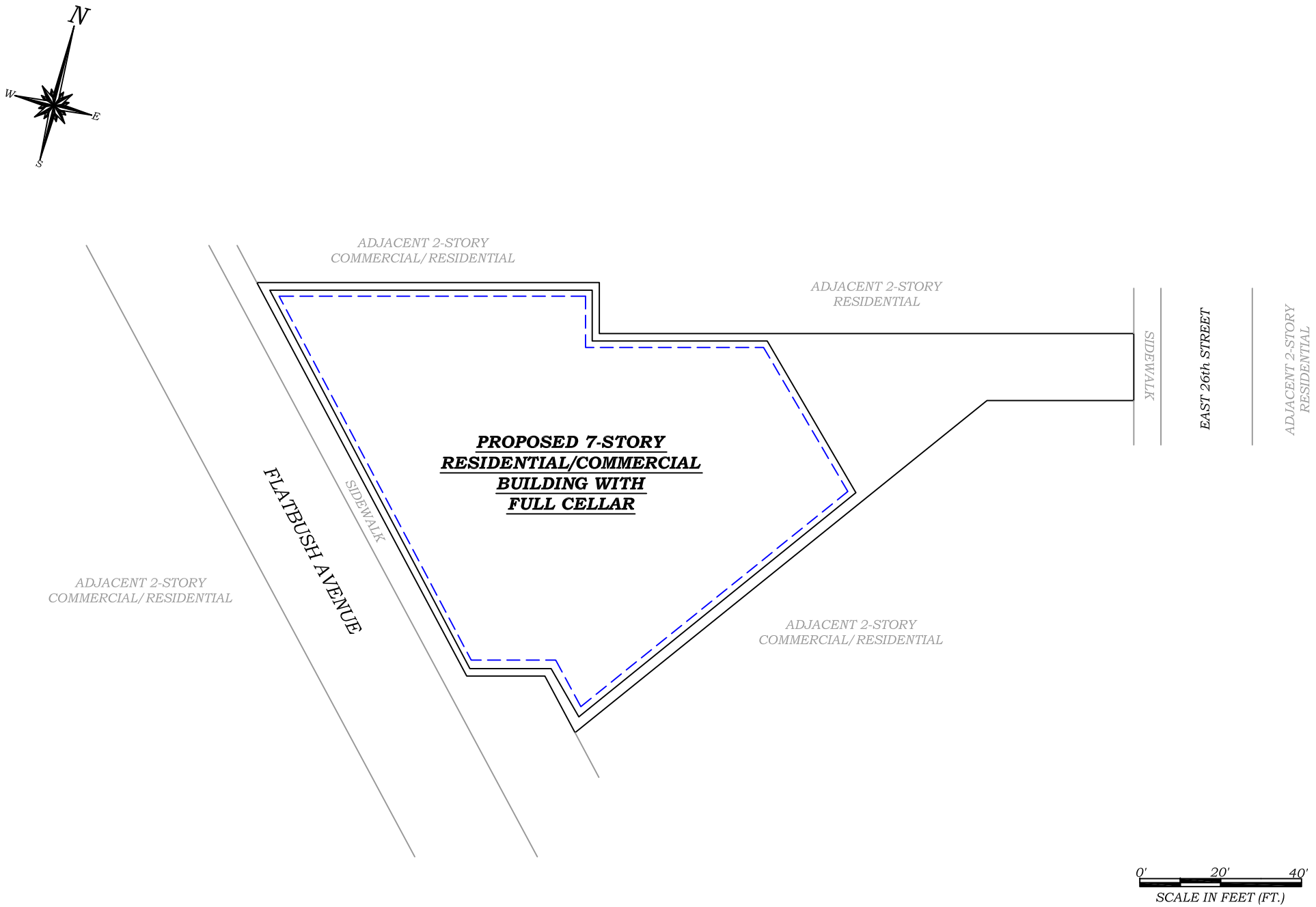

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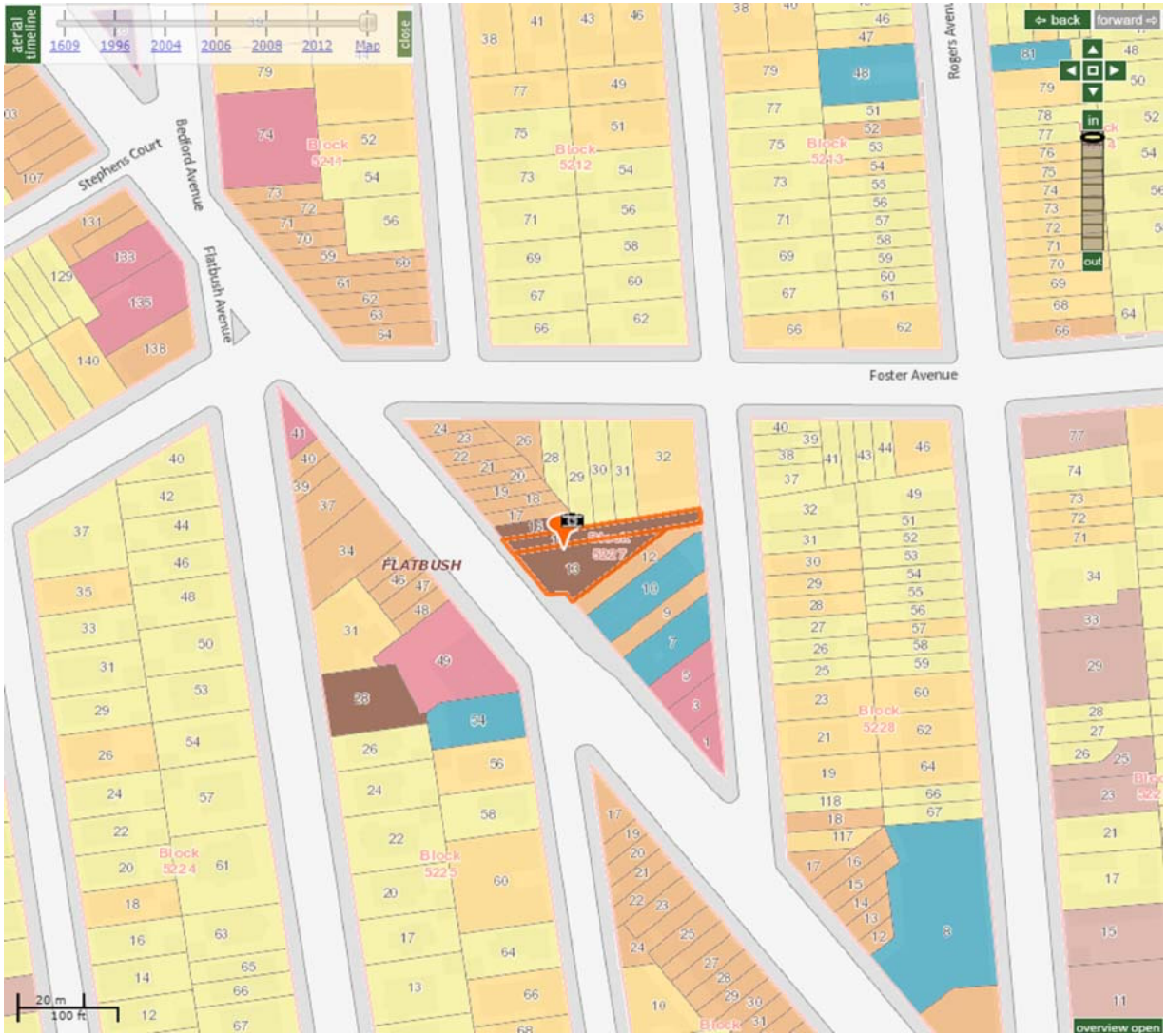
FIGURE 3: PROPOSED SITE DEVELOPMENT MAP



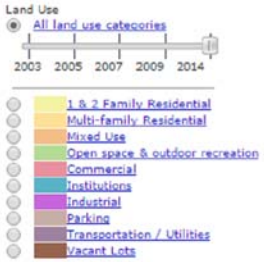


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FIGURE 4: SURROUNDING LAND USAGE

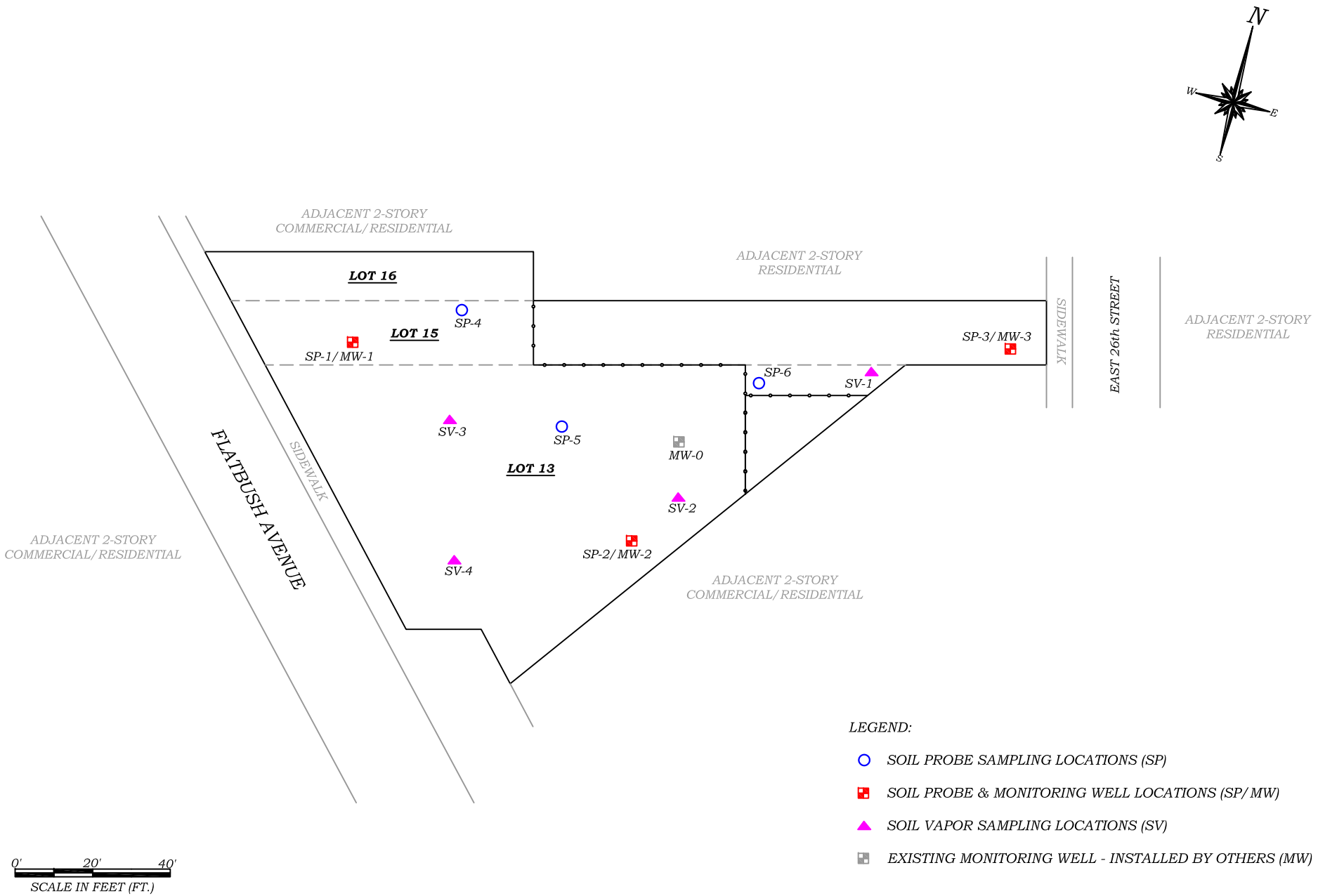

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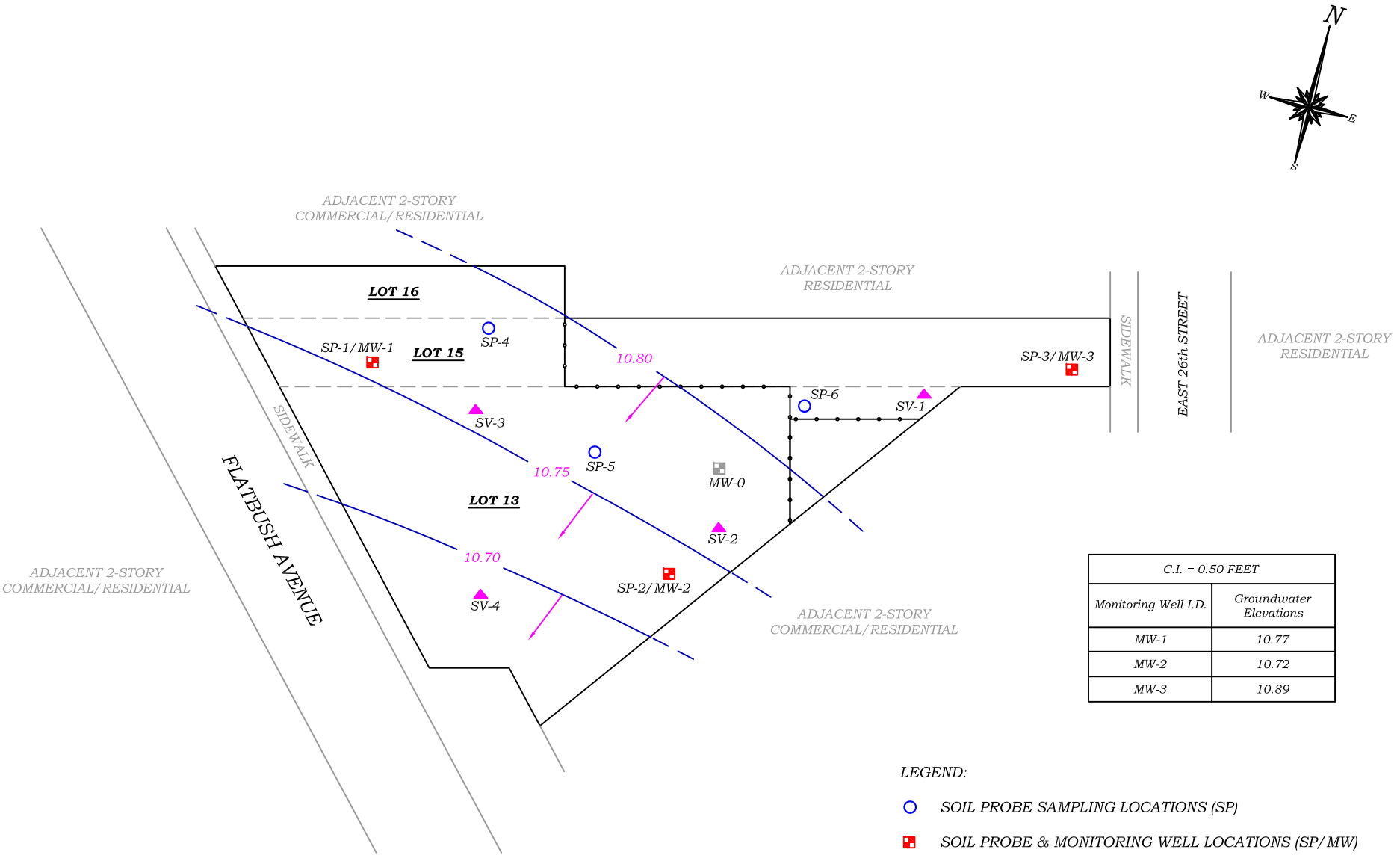
FIGURE 5: SITE FEATURES MAP



C.I. = 0.50 FEET	
Monitoring Well I.D.	*Groundwater Elevations*
MW-1	*10.77*
MW-2	*10.72*
MW-3	*10.89*

LEGEND:

- *SOIL PROBE SAMPLING LOCATIONS (SP)*
- *SOIL PROBE & MONITORING WELL LOCATIONS (SP/MW)*
- *SOIL VAPOR SAMPLING LOCATIONS (SV)*
- *EXISTING MONITORING WELL - INSTALLED BY OTHERS (MW)*
- *GROUNDWATER FLOW CONTOUR LINES*
- *C.I. CONTOUR INTERVAL*

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15 OCEAN AVENUE, 2nd Floor
BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

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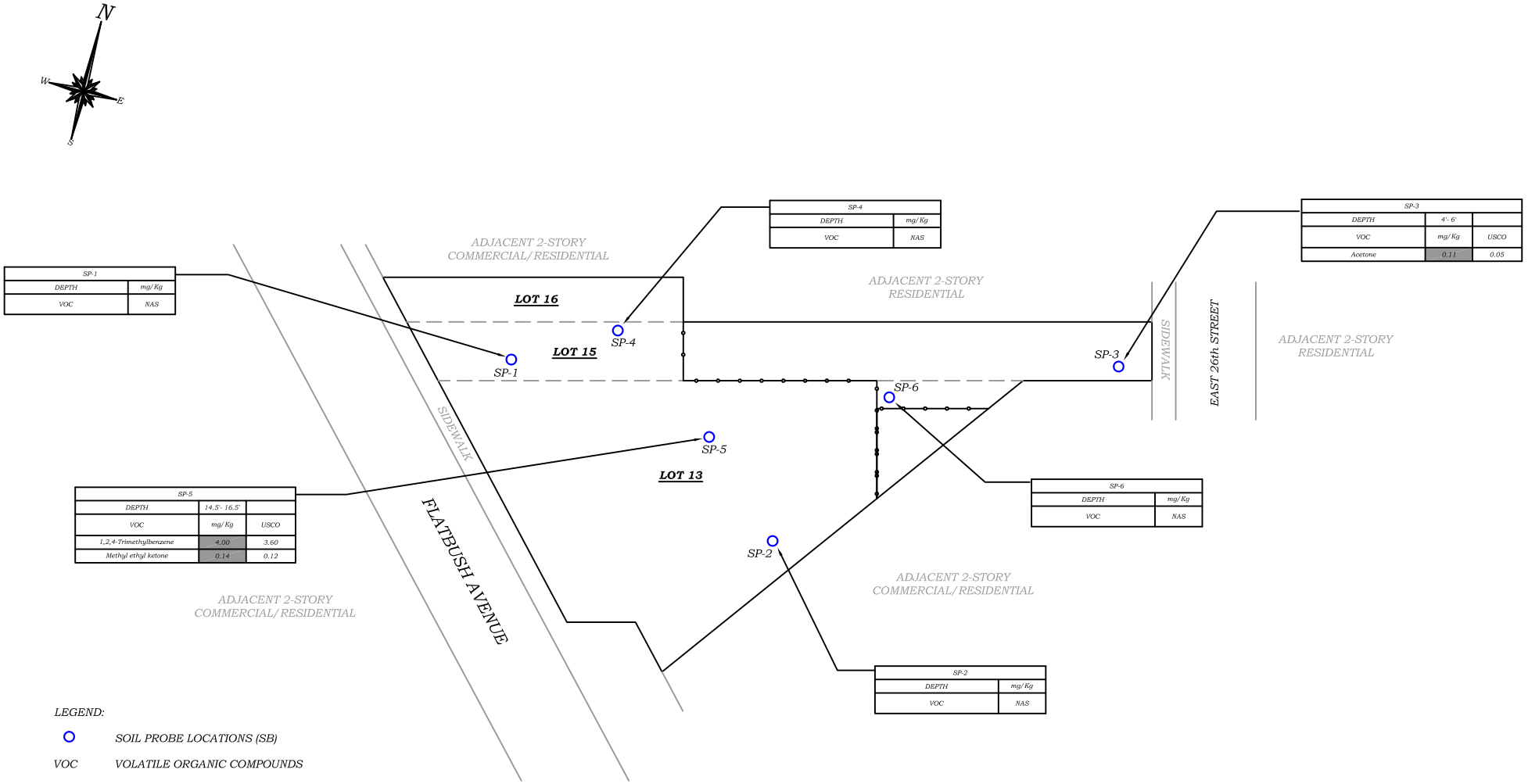
TITLE:

FIGURE 6: GROUNDWATER ELEVATION CONTOUR MAP



LEGEND:

○	SOIL PROBE LOCATIONS (SB)
VOC	VOLATILE ORGANIC COMPOUNDS
mg/Kg	MILLIGRAMS PER KILOGRAM
NAS	NONE ABOVE STANDARDS
ND	NONE DETECTED
NS	NO STANDARD
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES
	GRAY SHADED VALUES EXCEED USCO
	YELLOW SHADED VALUES EXCEED RSCO

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BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

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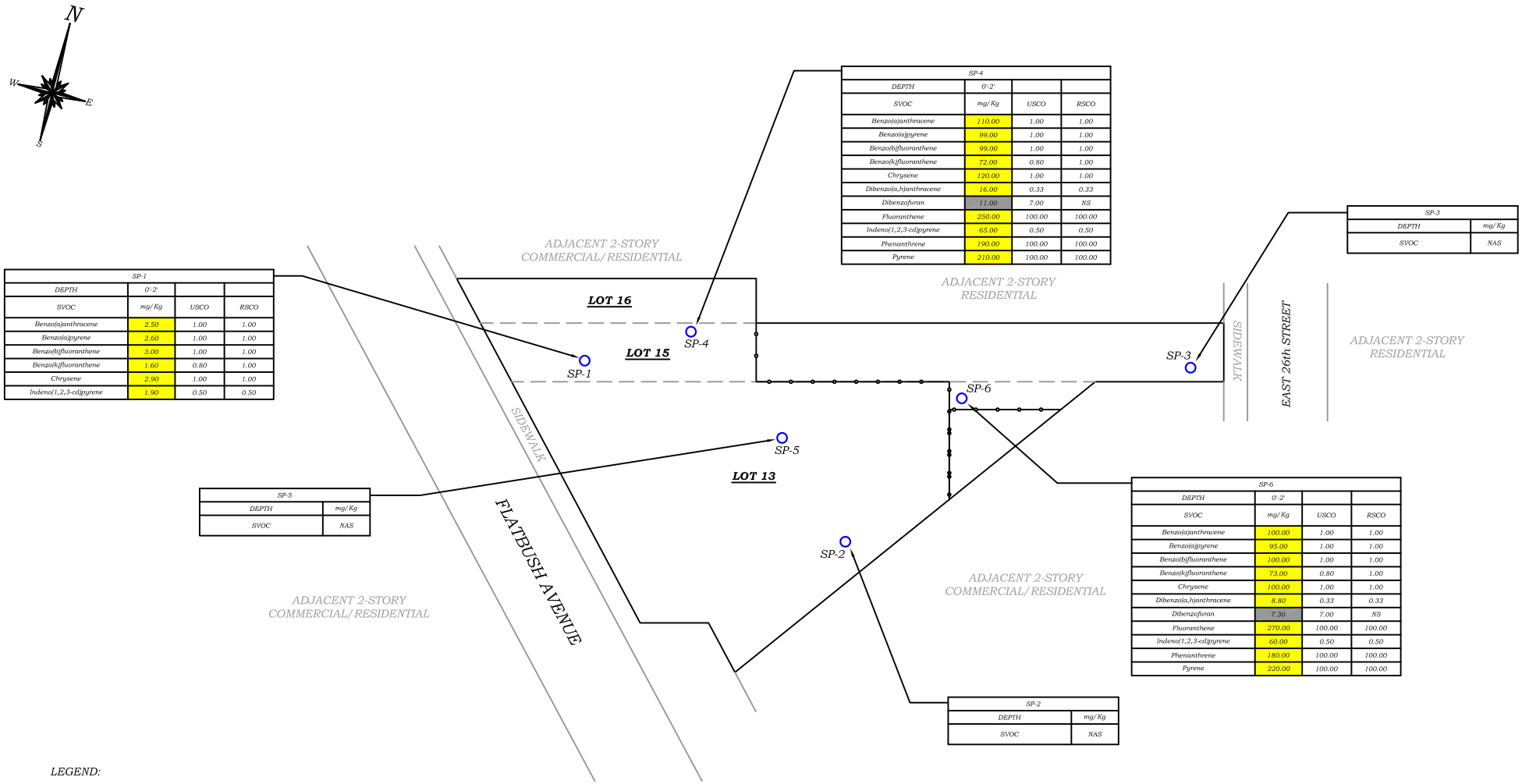
TITLE:

FIGURE 7: MAP OF VOCs IN SOIL



SP-1			
DEPTH	0'-2'		
SVOC	mg/Kg	USCO	RSCO
Benzo(a)anthracene	2.50	1.00	1.00
Benzo(a)pyrene	2.60	1.00	1.00
Benzo(b)fluoranthene	3.00	1.00	1.00
Benzo(k)fluoranthene	1.60	0.80	1.00
Chrysene	2.90	1.00	1.00
Indeno(1,2,3-cd)pyrene	1.90	0.50	0.50

SP-2	
DEPTH	mg/Kg
SVOC	NAS

SP-3	
DEPTH	mg/Kg
SVOC	NAS

SP-4			
DEPTH	0'-2'		
SVOC	mg/Kg	USCO	RSCO
Benzo(a)anthracene	110.00	1.00	1.00
Benzo(a)pyrene	99.00	1.00	1.00
Benzo(b)fluoranthene	99.00	1.00	1.00
Benzo(k)fluoranthene	72.00	0.80	1.00
Chrysene	120.00	1.00	1.00
Dibenzo(a,h)anthracene	16.00	0.33	0.33
Dibenzofuran	11.00	7.00	NS
Fluoranthene	250.00	100.00	100.00
Indeno(1,2,3-cd)pyrene	65.00	0.50	0.50
Phenanthrene	190.00	100.00	100.00
Pyrene	210.00	100.00	100.00

SP-5	
DEPTH	mg/Kg
SVOC	NAS

SP-6			
DEPTH	0'-2'		
SVOC	mg/Kg	USCO	RSCO
Benzo(a)anthracene	100.00	1.00	1.00
Benzo(a)pyrene	95.00	1.00	1.00
Benzo(b)fluoranthene	100.00	1.00	1.00
Benzo(k)fluoranthene	73.00	0.80	1.00
Chrysene	100.00	1.00	1.00
Dibenzo(a,h)anthracene	8.80	0.33	0.33
Dibenzofuran	7.30	7.00	NS
Fluoranthene	270.00	100.00	100.00
Indeno(1,2,3-cd)pyrene	60.00	0.50	0.50
Phenanthrene	180.00	100.00	100.00
Pyrene	220.00	100.00	100.00

LEGEND:

○	SOIL PROBE LOCATIONS (SB)
SVOC	SEMI - VOLATILE ORGANIC COMPOUNDS
mg/Kg	MILLIGRAMS PER KILOGRAM
NAS	NONE ABOVE STANDARDS
ND	NONE DETECTED
NS	NO STANDARD
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES
	GRAY SHADED VALUES EXCEED USCO
	YELLOW SHADED VALUES EXCEED RSCO

0' 20' 40'

SCALE IN FEET (FT.)

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T (718)636-0800 F (718)636-0900

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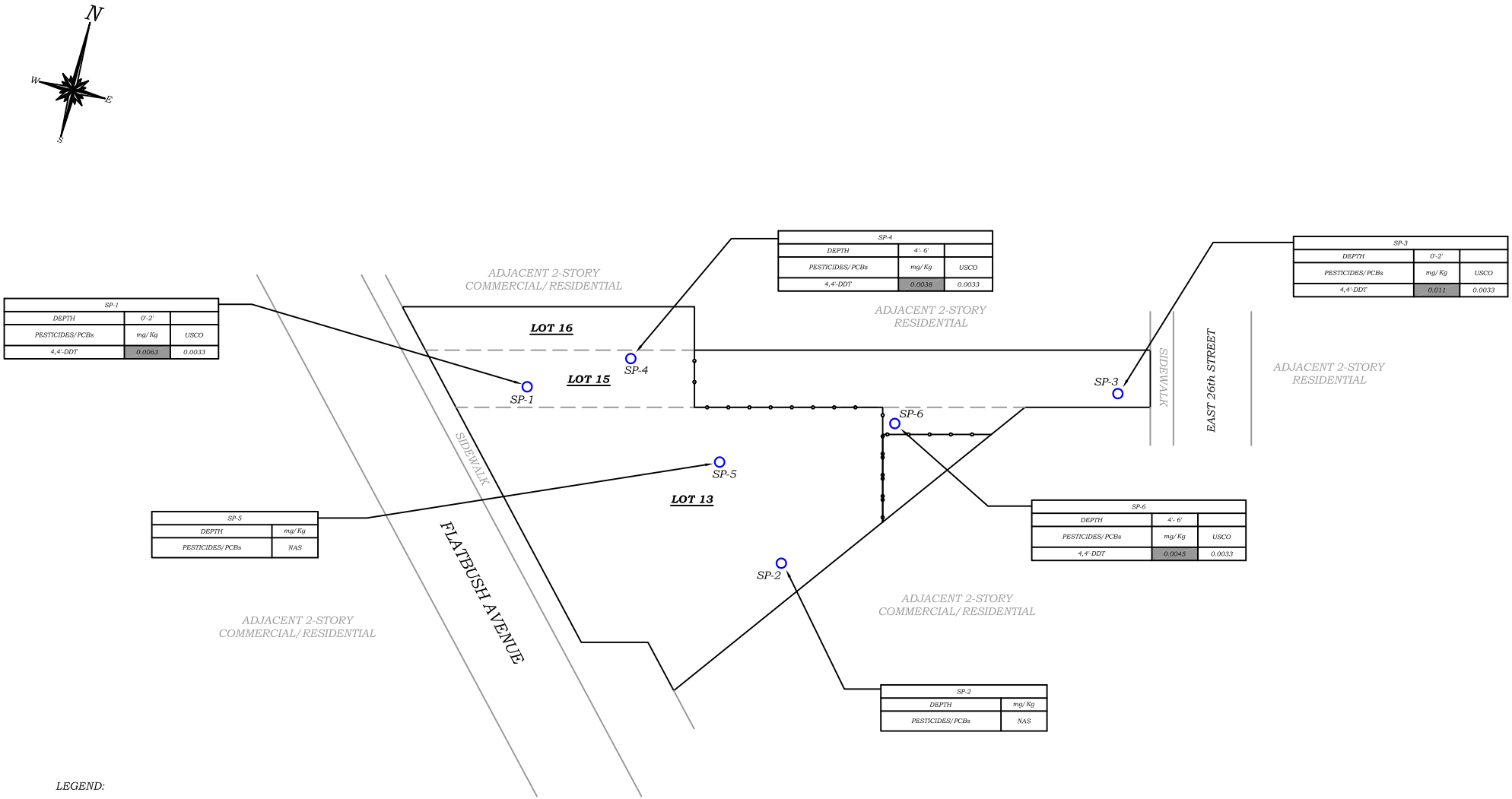
FIGURE 8: MAP OF SVOCs IN SOIL



LEGEND:

○	*SOIL PROBE LOCATIONS (SB)*
mg/Kg	*MILLIGRAMS PER KILOGRAM*
NAS	*NONE ABOVE STANDARDS*
ND	*NONE DETECTED*
NS	*NO STANDARD*
USCO	*UNRESTRICTED USE SOIL CLEANUP OBJECTIVES*
RSCO	*RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES*
	GRAY SHADED VALUES EXCEED USCO
	YELLOW SHADED VALUES EXCEED RSCO

0' 20' 40'
SCALE IN FEET (FT.)

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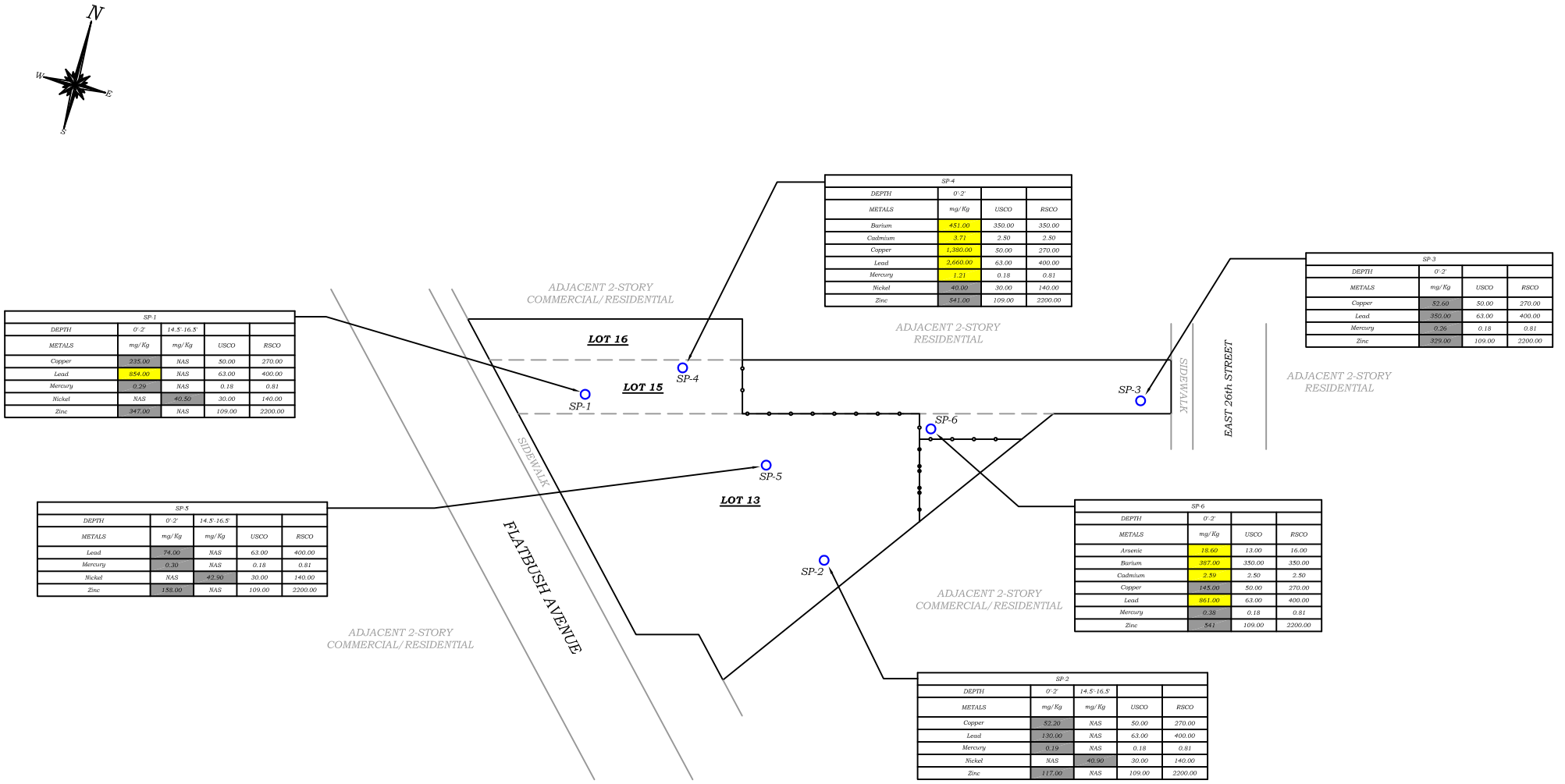
Scale: AS NOTED

TITLE:

FIGURE 9: MAP OF PESTICIDES/PCBs IN SOIL



SP-1				
DEPTH	0'-2'	14.5'-16.5'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Copper	235.00	NAS	50.00	270.00
Lead	854.00	NAS	63.00	400.00
Mercury	0.29	NAS	0.18	0.81
Nickel	NAS	40.50	30.00	140.00
Zinc	347.00	NAS	109.00	2200.00

SP-4			
DEPTH	0'-2'		
METALS	mg/Kg	USCO	RSCO
Barium	451.00	350.00	350.00
Cadmium	3.71	2.50	2.50
Copper	1,380.00	50.00	270.00
Lead	2,660.00	63.00	400.00
Mercury	1.21	0.18	0.81
Nickel	40.00	30.00	140.00
Zinc	541.00	109.00	2200.00

SP-3			
DEPTH	0'-2'		
METALS	mg/Kg	USCO	RSCO
Copper	52.60	50.00	270.00
Lead	350.00	63.00	400.00
Mercury	0.26	0.18	0.81
Zinc	329.00	109.00	2200.00

SP-5				
DEPTH	0'-2'	14.5'-16.5'		
METALS	mg/Kg	mg/Kg	USCO	RSCO
Lead	74.00	NAS	63.00	400.00
Mercury	0.30	NAS	0.18	0.81
Nickel	NAS	42.90	30.00	140.00
Zinc	158.00	NAS	109.00	2200.00

SP-6			
DEPTH	0'-2'		
METALS	mg/Kg	USCO	RSCO
Arsenic	18.60	13.00	16.00
Barium	387.00	350.00	350.00
Cadmium	2.59	2.50	2.50
Copper	145.00	50.00	270.00
Lead	861.00	63.00	400.00
Mercury	0.38	0.18	0.81
Zinc	541	109.00	2200.00

SP-2					
DEPTH	0'-2'	14.5'-16.5'			
METALS	mg/Kg	mg/Kg	USCO	RSCO	
Copper	52.20	NAS	50.00	270.00	
Lead	130.00	NAS	63.00	400.00	
Mercury	0.19	NAS	0.18	0.81	
Nickel	NAS	40.90	30.00	140.00	
Zinc	117.00	NAS	109.00	2200.00	

LEGEND:

○	SOIL PROBE LOCATIONS (SB)
mg/Kg	MILLIGRAMS PER KILOGRAM
NAS	NONE ABOVE STANDARDS
ND	NONE DETECTED
NS	NO STANDARD
USCO	UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
RSCO	RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES
	GRAY SHADED VALUES EXCEED USCO
	YELLOW SHADED VALUES EXCEED RSCO

0' 20' 40'
SCALE IN FEET (FT.)

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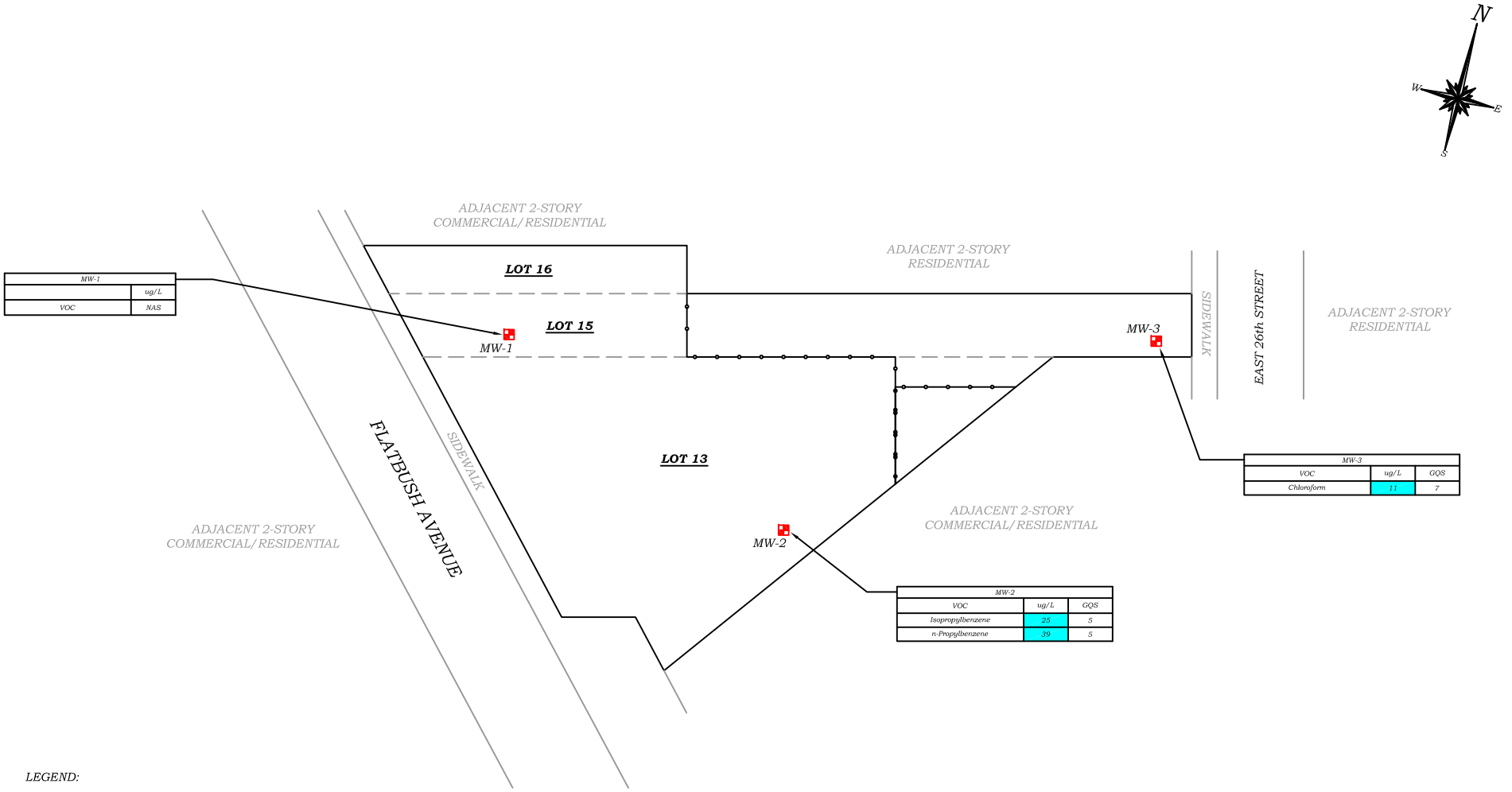
FIGURE 10: MAP OF METALS IN SOIL



LEGEND:

	MONITORING WELL LOCATIONS (MW)
VOC	*VOLATILE ORGANIC COMPOUNDS*
ug/L	*MICROGRAM PER LITER*
NAS	*NONE ABOVE STANDARDS*
ND	*NONE DETECTED*
NS	*NO STANDARD*
GQS	*GROUNDWATER QUALITY STANDARDS*
	BLUE SHADED VALUES EXCEED GQS

0' 20' 40'

SCALE IN FEET (FT.)

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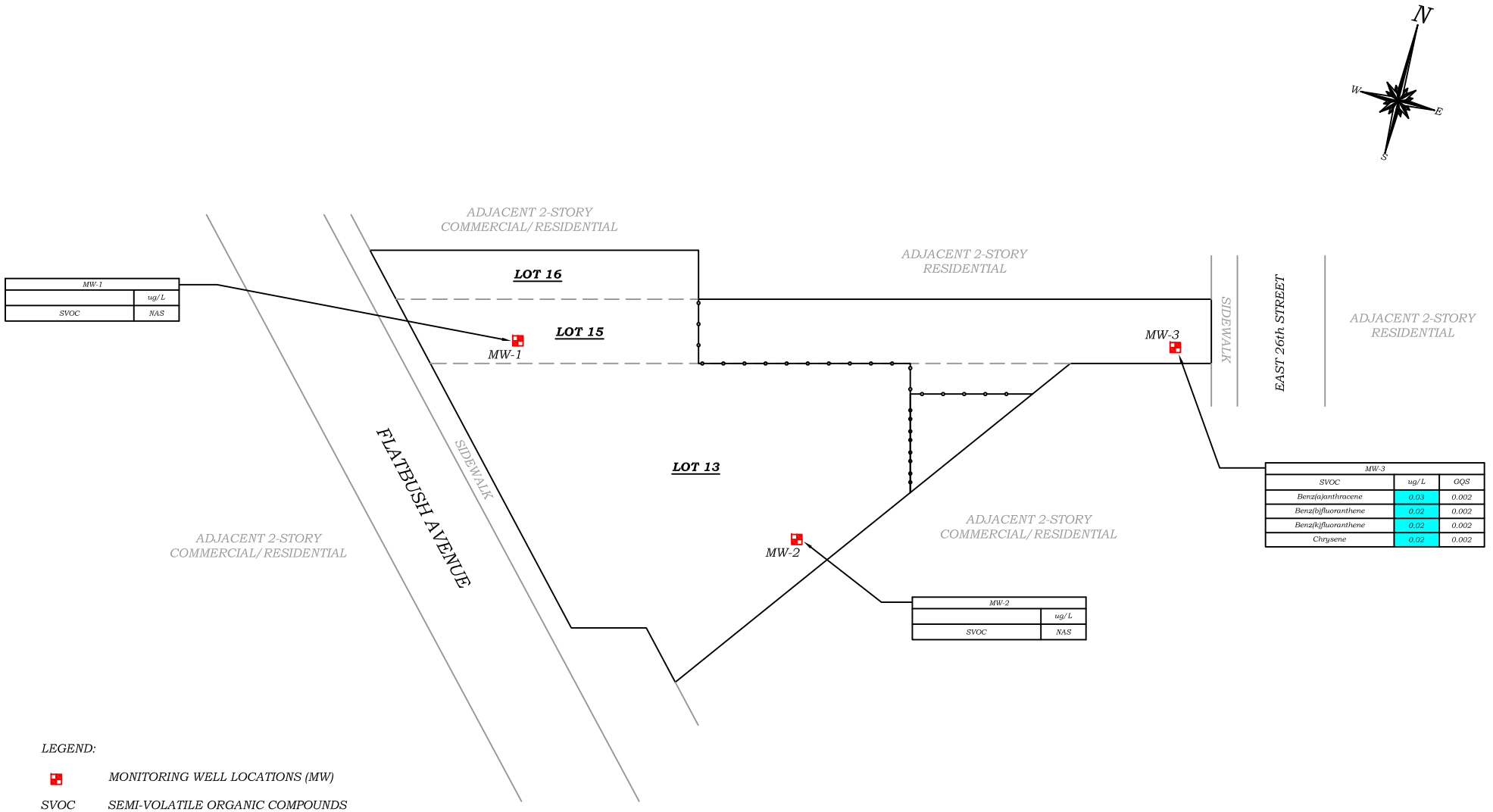
FIGURE 11: MAP OF VOCs IN GROUNDWATER



LEGEND:

■	*MONITORING WELL LOCATIONS (MW)*
SVOC	*SEMI-VOLATILE ORGANIC COMPOUNDS*
ug/L	*MICROGRAM PER LITER*
NAS	*NONE ABOVE STANDARDS*
ND	*NONE DETECTED*
NS	*NO STANDARD*
GQS	*GROUNDWATER QUALITY STANDARDS*
	BLUE SHADED VALUES EXCEED GQS

0' 20' 40'
SCALE IN FEET (FT.)

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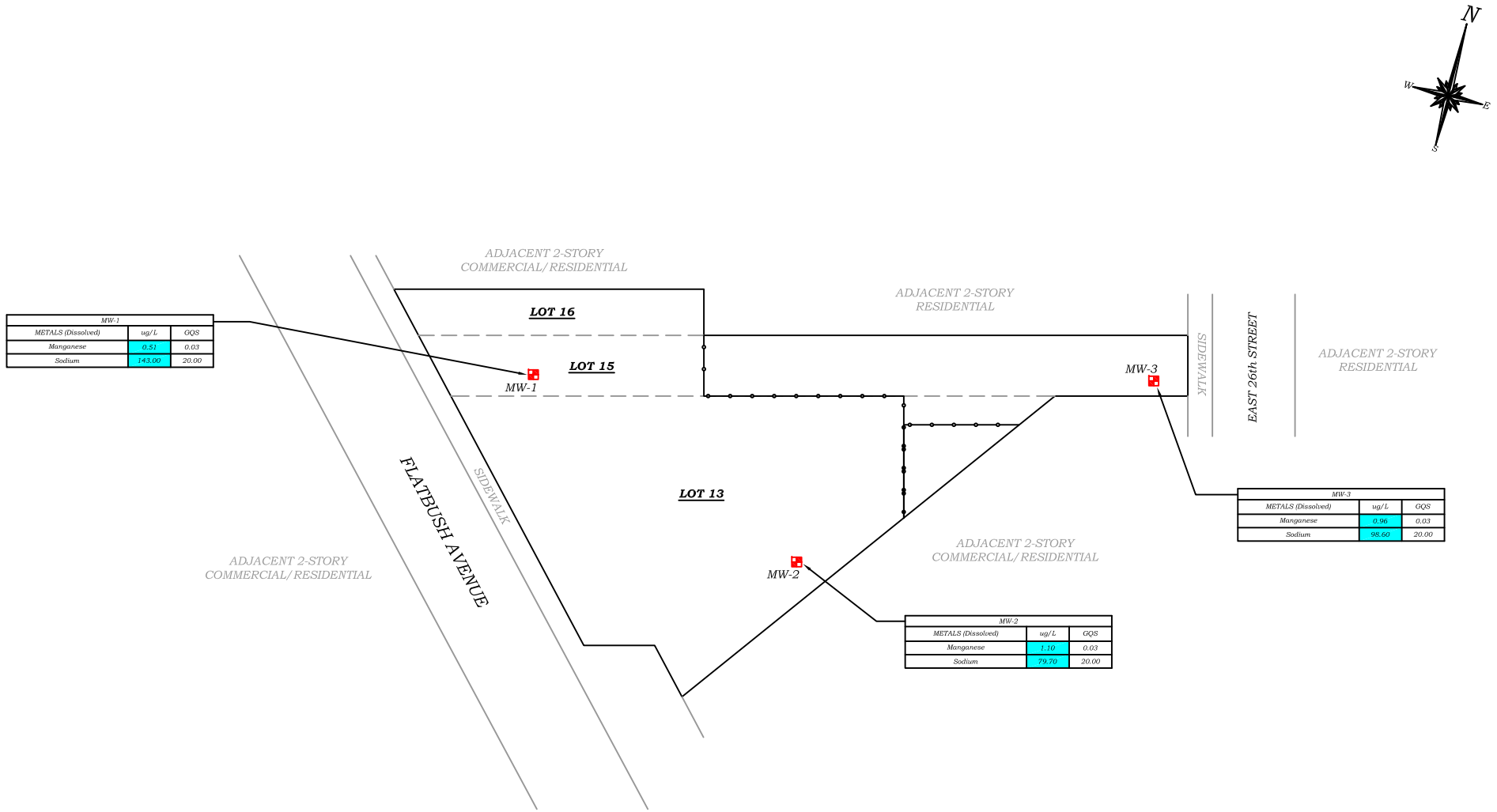
FIGURE 12: MAP OF SVOCs IN GROUNDWATER



LEGEND:

■	*MONITORING WELL LOCATIONS (MW)*
ug/L	*MICROGRAM PER LITER*
NAS	*NONE ABOVE STANDARDS*
ND	*NONE DETECTED*
NS	*NO STANDARD*
GQS	*GROUNDWATER QUALITY STANDARDS*
▬	*BLUE SHADED VALUES EXCEED GQS*

0' 20' 40'

SCALE IN FEET (FT.)

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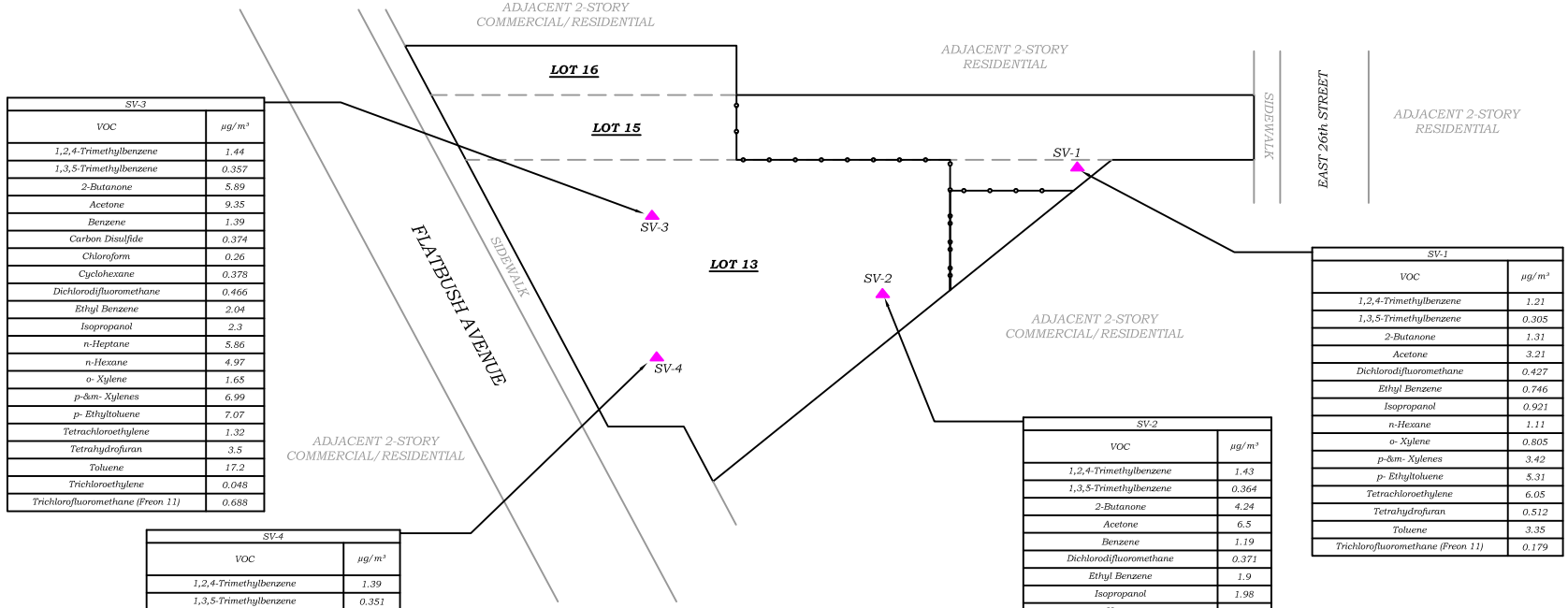
FIGURE 13: MAP OF METALS IN GROUNDWATER



SV-3	
VOC	µg/m³
1,2,4-Trimethylbenzene	1.44
1,3,5-Trimethylbenzene	0.357
2-Butanone	5.89
Acetone	9.35
Benzene	1.39
Carbon Disulfide	0.374
Chloroform	0.26
Cyclohexane	0.378
Dichlorodifluoromethane	0.466
Ethyl Benzene	2.04
Isopropanol	2.3
n-Heptane	5.86
n-Hexane	4.97
o- Xylene	1.65
p-&m- Xylenes	6.99
p- Ethyltoluene	7.07
Tetrachloroethylene	1.32
Tetrahydrofuran	3.5
Toluene	17.2
Trichloroethylene	0.048
Trichlorofluoromethane (Freon 11)	0.688

SV-4	
VOC	µg/m³
1,2,4-Trimethylbenzene	1.39
1,3,5-Trimethylbenzene	0.351
2-Butanone	4.72
Acetone	16.9
Benzene	1.14
Carbon Disulfide	0.454
Chloroform	0.743
Dichlorodifluoromethane	0.319
Ethyl Benzene	3.37
Isopropanol	1.91
n-Heptane	4.96
n-Hexane	3.59
o- Xylene	1.72
p-&m- Xylenes	11.4
p- Ethyltoluene	6.88
Tetrachloroethylene	1.08
Tetrahydrofuran	2.53
Toluene	16
Trichloroethylene	0.063
Trichlorofluoromethane (Freon 11)	0.707

SV-2	
VOC	µg/m³
1,2,4-Trimethylbenzene	1.43
1,3,5-Trimethylbenzene	0.364
2-Butanone	4.24
Acetone	6.5
Benzene	1.19
Dichlorodifluoromethane	0.371
Ethyl Benzene	1.9
Isopropanol	1.98
n-Heptane	5.41
n-Hexane	3.84
o- Xylene	1.51
p-&m- Xylenes	6.49
p- Ethyltoluene	6.73
Tetrachloroethylene	1.11
Tetrahydrofuran	2.9
Toluene	16.3
Trichloroethylene	0.081
Trichlorofluoromethane (Freon 11)	1.75

SV-1	
VOC	µg/m³
1,2,4-Trimethylbenzene	1.21
1,3,5-Trimethylbenzene	0.305
2-Butanone	1.31
Acetone	3.21
Dichlorodifluoromethane	0.427
Ethyl Benzene	0.746
Isopropanol	0.921
n-Hexane	1.11
o- Xylene	0.805
p-&m- Xylenes	3.42
p- Ethyltoluene	5.31
Tetrachloroethylene	6.05
Tetrahydrofuran	0.512
Toluene	3.35
Trichlorofluoromethane (Freon 11)	0.179

LEGEND:

▲ SOIL VAPOR PROBE LOCATIONS

VOC VOLATILE ORGANIC COMPOUNDS

ug/m3 MICROGRAM PER CUBIC METER

NAS NONE ABOVE STANDARDS

YELLOW SHADED VALUES EXCEED MITIGATION LEVEL ESTABLISHED BY NYSDOH

0' 20' 40'

SCALE IN FEET (FT.)

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
T (631)462-5866 F (631)462-5877

NYC OFFICE:
15 OCEAN AVENUE, 2nd Floor
BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

www.hydrotechenvironmental.com

1353 Flatbush Avenue
Brooklyn, NY
HTE Job # 150298

Drawn By: C.Q.
Reviewed By:
Approved By: M.R
Date: 1/5/16
Scale: AS NOTED

TITLE:

FIGURE 14: MAP OF VOCs IN SOIL VAPOR

TABLES

Table 1
Soil Samples Analytical Results for VOCs
1353 Flatbush Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 14.5-16.5 ft		SP-2 0-2 ft		SP-2 14.5-16.5 ft		SP-3 0-2 ft		SP-3 4-6 ft		SP-4 0-2 ft		SP-4 4-6 ft		SP-5 0-2 ft		SP-5 14.5-16.5 ft		SP-6 0-2 ft		SP-6 4-6 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,1,1-Trichloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.68	100
1,1,2,2-Tetrachloroethane	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
1,1,2-Trichloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,1-Dichloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.27	19
1,1-Dichloroethene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.33	100
1,1-Dichloropropene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2,3-Trichlorobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2,3-Trichloropropane	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2,4-Trichlorobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2,4-Trimethylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	**4**		< 0.0055	U	< 0.0056	U	3.6	47
1,2-Dibromo-3-chloropropane	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2-Dibromoethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,2-Dichlorobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	1.1	100
1,2-Dichloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.02	2.3
1,2-Dichloropropane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,3,5-Trimethylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	**1.4**		< 0.0055	U	< 0.0056	U	8.4	47
1,3-Dichlorobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	2.4	17
1,3-Dichloropropane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
1,4-Dichlorobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	1.8	9.8
2,2-Dichloropropane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
2-Chlorotoluene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
2-Hexanone	< 0.031	U	< 0.026	U	< 0.03	U	< 0.029	U	< 0.024	U	< 0.028	U	< 0.028	U	< 0.023	U	< 0.032	U	**0.039**		< 0.028	U	< 0.028	U	NS	NS
2-Isopropyltoluene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
4-Chlorotoluene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
4-Methyl-2-pentanone	< 0.031	U	< 0.026	U	< 0.03	U	< 0.029	U	< 0.024	U	< 0.028	U	< 0.028	U	< 0.023	U	< 0.032	U	**0.055**		< 0.028	U	< 0.028	U	NS	NS
Acetone	< 0.031	U	< 0.026	U	< 0.03	U	< 0.029	U	< 0.024	U	**0.11**		< 0.028	U	< 0.023	U	< 0.032	U	< 2.3	U	< 0.028	U	< 0.028	U	0.05	100
Acrylonitrile	< 0.012	U	< 0.011	U	< 0.012	U	< 0.012	U	< 0.0096	U	< 0.011	U	< 0.011	U	< 0.0092	U	< 0.013	U	< 0.0094	U	< 0.011	U	< 0.011	U	NS	NS
Benzene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.06	2.9
Bromobenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
Bromochloromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Bromodichloromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Bromoform	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Bromomethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Carbon Disulfide	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Carbon tetrachloride	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.76	1.4
Chlorobenzene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	1.1	100
Chloroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Chloroform	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.37	10
Chloromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
cis-1,2-Dichloroethene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.25	59
cis-1,3-Dichloropropene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Dibromochloromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Dibromomethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Dichlorodifluoromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Ethylbenzene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	**0.015**		< 0.0055	U	< 0.0056	U	1	30
Hexachlorobutadiene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
Isopropylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
m&p-Xylene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	**0.0062**		< 0.0056	U	< 0.0046	U	< 0.0065	U	**0.083**		< 0.0055	U	< 0.0056	U	NS	NS
Methyl Ethyl Ketone	< 0.031	U	< 0.026	U	< 0.03	U	< 0.029	U	< 0.024	U	< 0.028	U	< 0.028	U	< 0.023	U	< 0.032	U	**0.14**		< 0.028	U	< 0.028	U	0.12	100
Methyl t-butyl ether (MTBE)	< 0.012	U	< 0.011	U	< 0.012	U	< 0.012	U	< 0.0096	U	< 0.011	U	< 0.011	U	< 0.0092	U	< 0.013	U	< 0.0094	U	< 0.011	U	< 0.011	U	0.93	62
Methylene chloride	< 0.012	U	< 0.011	U	< 0.012	U	< 0.012	U	< 0.0096	U	< 0.011	U	< 0.011	U	< 0.0092	U	< 0.013	U	< 0.0094	U	< 0.011	U	< 0.011	U	0.05	51
Naphthalene	**0.99**		< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	**2.1**		**1.2**		< 0.0056	U	NS	NS
n-Butylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	12	100
n-Propylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	3.9	100
o-Xylene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	**0.071**		< 0.0055	U	< 0.0056	U	NS	NS
p-Isopropyltoluene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	NS	NS
sec-Butylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	11	100
Styrene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
tert-Butylbenzene	< 0.6	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.82	U	< 0.0046	U	< 0.6	U	< 0.45	U	< 0.0055	U	< 0.0056	U	5.9	100
Tetrachloroethene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	**0.026**		< 0.0055	U	< 0.0056	U	1.3	5.5
Tetrahydrofuran (THF)	< 0.012	U	< 0.011	U	< 0.012	U	< 0.012	U	< 0.0096	U	< 0.011	U	< 0.011	U	< 0.0092	U	< 0.013	U	< 0.0094	U	< 0.011	U	< 0.011	U	NS	NS
Toluene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.7	100
Total Xylenes	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	**0.0062**		< 0.0056	U	< 0.0046	U	< 0.0065	U	**0.154**		< 0.0055	U	< 0.0056	U	0.26	NS
trans-1,2-Dichloroethene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.19	100
trans-1,3-Dichloropropene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
trans-1,4-dichloro-2-butene	< 1.2	U	< 0.011	U	< 0.012	U	< 0.012	U	< 0.0096	U	< 0.011	U	< 1.6	U	< 0.0092	U	< 1.2	U	< 0.9	U	< 0.011	U	< 0.011	U	NS	NS
Trichloroethene	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.47	10
Trichlorofluoromethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Trichlorotrifluoroethane	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	NS	NS
Vinyl chloride	< 0.0061	U	< 0.0053	U	< 0.006	U	< 0.0058	U	< 0.0048	U	< 0.0056	U	< 0.0056	U	< 0.0046	U	< 0.0065	U	< 0.0047	U	< 0.0055	U	< 0.0056	U	0.02	0.21

NOTES:
Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential

Q is the Qualifier Column with definitions as follows:
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 2
Soil Samples Analytical Results for SVOCs
1353 Flatbush Avenue, Brooklyn, NY

Sample ID	SP-1 0-2 ft		SP-1 14.5-16.5 ft		SP-2 0-2 ft		SP-2 14.5-16.5 ft		SP-3 0-2 ft		SP-3 4-6 ft		SP-4 0-2 ft		SP-4 4-6 ft		SP-5 0-2 ft		SP-5 14.5-16.5 ft		SP-6 0-2 ft		SP-6 4-6 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,2,4,5-Tetrachlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
1,2,4-Trichlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
1,2-Dichlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
1,2-Diphenylhydrazine	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
1,3-Dichlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
1,4-Dichlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,4,5-Trichlorophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,4,6-Trichlorophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,4-Dichlorophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,4-Dimethylphenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,4-Dinitrophenol	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
2,4-Dinitrotoluene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2,6-Dinitrotoluene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2-Chloronaphthalene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2-Chlorophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2-Methylnaphthalene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**4.1**		< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
2-Methylphenol (o-cresol)	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	0.33	100
2-Nitroaniline	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
2-Nitrophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
3&4-Methylphenol (m&p-cresol)	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
3,3'-Dichlorobenzidine	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
3-Nitroaniline	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
4,6-Dinitro-2-methylphenol	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
4-Bromophenyl phenyl ether	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
4-Chloro-3-methylphenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
4-Chloroaniline	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
4-Chlorophenyl phenyl ether	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
4-Nitroaniline	< 0.59	U	< 0.54	U	< 0.59	U	< 0.56	U	< 0.56	U	< 0.57	U	< 5.9	U	< 0.54	U	< 0.65	U	< 11	U	< 11	U	< 0.56	U	NS	NS
4-Nitrophenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Acenaphthene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**15**		< 0.23	U	< 0.29	U	< 5	U	**9.6**		< 0.25	U	20	100
Acenaphthylene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**5.5**		< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	100	100
Acetophenone	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Aniline	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
Anthracene	**0.59**		< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**41**		< 0.23	U	< 0.29	U	< 5	U	**33**		< 0.25	U	100	100
Benzo(a)anthracene	**2.5**		< 0.23	U	**0.35**		< 0.24	U	< 0.24	U	< 0.25	U	**110**		< 0.23	U	**0.46**		< 5	U	**100**		**0.35**		1	1
Benzidine	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Benzo(a)pyrene	**2.6**		< 0.23	U	**0.36**		< 0.24	U	< 0.24	U	< 0.25	U	**99**		< 0.23	U	**0.45**		< 5	U	**95**		**0.36**		1	1
Benzo(b)fluoranthene	**3**		< 0.23	U	**0.3**		< 0.24	U	< 0.24	U	< 0.25	U	**99**		< 0.23	U	**0.45**		< 5	U	**100**		**0.34**		1	1
Benzo(ghi)perylene	**1.6**		< 0.23	U	**0.41**		< 0.24	U	< 0.24	U	< 0.25	U	**55**		< 0.23	U	< 0.29	U	< 5	U	**49**		**0.27**		100	100
Benzo(k)fluoranthene	**1.6**		< 0.23	U	**0.32**		< 0.24	U	< 0.24	U	< 0.25	U	**72**		< 0.23	U	**0.45**		< 5	U	**73**		**0.37**		0.8	1
Benzoic acid	< 0.74	U	< 0.67	U	< 0.74	U	< 0.7	U	< 0.7	U	< 0.72	U	< 7.4	U	< 0.67	U	< 0.82	U	< 14	U	< 14	U	< 0.7	U	NS	NS
Benzyl butyl phthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	**0.32**		NS	NS
Bis(2-chloroethoxy)methane	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Bis(2-chloroethyl)ether	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
Bis(2-chloroisopropyl)ether	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Bis(2-ethylhexyl)phthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Carbazole	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	**22**		< 0.33	U	< 0.41	U	< 7.1	U	**15**		< 0.35	U	NS	NS
Chrysene	**2.9**		< 0.23	U	**0.38**		< 0.24	U	< 0.24	U	< 0.25	U	**120**		< 0.23	U	**0.48**		< 5	U	**100**		**0.4**		1	1
Dibenz(a,h)anthracene	**0.3**		< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**16**		< 0.23	U	< 0.29	U	< 5	U	**8.8**		< 0.25	U	0.33	0.33
Dibenzofuran	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**11**		< 0.23	U	< 0.29	U	< 5	U	**7.3**		< 0.25	U	7	NS
Diethyl phthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Dimethylphthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Di-n-butylphthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Di-n-octylphthalate	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Fluoranthene	**6**		< 0.23	U	**0.81**		< 0.24	U	**0.33**		< 0.25	U	**250**		**0.29**		**0.96**		< 5	U	**270**		**0.72**		100	100
Fluorene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	**20**		< 0.23	U	< 0.29	U	< 5	U	**9.6**		< 0.25	U	30	100
Hexachlorobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Hexachlorobutadiene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Hexachlorocyclopentadiene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Hexachloroethane	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Indeno(1,2,3-cd)pyrene	**1.9**		< 0.23	U	**0.43**		< 0.24	U	**0.28**		< 0.25	U	**65**		< 0.23	U	**0.33**		< 5	U	**60**		**0.26**		0.5	0.5
Isophorone	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
Naphthalene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	12	100
Nitrobenzene	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
N-Nitrosodimethylamine	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
N-Nitrosodi-n-propylamine	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	NS	NS
N-Nitrosodiphenylamine	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
Pentachloronitrobenzene	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS
Pentachlorophenol	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	0.8	2.4
Phenanthrene	**3.2**		< 0.23	U	**0.45**		< 0.24	U	< 0.24	U	< 0.25	U	**190**		< 0.23	U	**0.6**		< 5	U	**180**		**0.46**		100	100
Phenol	< 0.26	U	< 0.23	U	< 0.26	U	< 0.24	U	< 0.24	U	< 0.25	U	< 2.6	U	< 0.23	U	< 0.29	U	< 5	U	< 4.9	U	< 0.25	U	0.33	100
Pyrene	**5.7**		< 0.23	U	**0.71**		< 0.24	U	**0.29**		< 0.25	U	**210**		**0.27**		**0.76**		< 5	U	**220**		**0.62**		100	100
Pyridine	< 0.37	U	< 0.34	U	< 0.37	U	< 0.35	U	< 0.35	U	< 0.36	U	< 3.7	U	< 0.33	U	< 0.41	U	< 7.1	U	< 7	U	< 0.35	U	NS	NS

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J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 3
Soil Samples Analytical Results for Pesticides & PCBs

Sample ID	SP-1 0-2 ft		SP-1 14.5-16.5 ft		SP-2 0-2 ft		SP-2 14.5-16.5 ft		SP-3 0-2 ft		SP-3 4-6 ft		SP-4 0-2 ft		SP-4 4-6 ft		SP-5 0-2 ft		SP-5 14.5-16.5 ft		SP-6 0-2 ft		SP-6 4-6 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives- Residential
Sampling Date	12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
4,4'-DDD	< 0.0022	U	< 0.002	U	< 0.0022	U	< 0.0021	U	< 0.0021	U	< 0.0021	U	< 0.44	U	**0.0025**	U	< 0.0024	U	< 0.0021	U	< 0.2	U	< 0.0021	U	0.0033	2.6
4,4'-DDE	< 0.0022	U	< 0.002	U	< 0.0022	U	< 0.0021	U	< 0.0021	U	< 0.0021	U	< 0.44	U	< 0.002	U	< 0.0024	U	< 0.0021	U	< 0.3	U	< 0.0021	U	0.0033	1.8
4,4'-DDT	**0.0063**		< 0.002	U	< 0.0022	U	< 0.0021	U	**0.011**		< 0.0021	U	< 0.36	U	**0.0038**		< 0.0024	U	< 0.0021	U	< 0.11	U	**0.0045**		0.0033	1.7
a-BHC	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.36	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.09	U	< 0.0069	U	0.02	0.097
a-Chlordane	< 0.0036	U	< 0.0033	U	< 0.0037	U	< 0.0035	U	< 0.0035	U	< 0.0035	U	< 0.36	U	< 0.0033	U	< 0.004	U	< 0.0035	U	< 0.18	U	< 0.0034	U	0.094	0.91
Aldrin	< 0.0036	U	< 0.0033	U	< 0.0037	U	< 0.0035	U	< 0.0035	U	< 0.0035	U	< 0.36	U	< 0.0033	U	< 0.004	U	< 0.0035	U	< 0.09	U	< 0.0034	U	0.005	0.019
b-BHC	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.36	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.09	U	< 0.0069	U	0.036	0.072
Chlordane	< 0.036	U	< 0.033	U	< 0.037	U	< 0.035	U	< 0.035	U	< 0.035	U	< 3.6	U	< 0.033	U	< 0.04	U	< 0.035	U	< 1.8	U	< 0.034	U	NS	NS
d-BHC	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.36	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.18	U	< 0.0069	U	0.04	100
Dieldrin	< 0.0036	U	< 0.0033	U	< 0.0037	U	< 0.0035	U	< 0.0035	U	< 0.0035	U	< 1.1	U	< 0.0033	U	< 0.004	U	< 0.0035	U	< 0.29	U	< 0.0034	U	0.005	0.039
Endosulfan I	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	2.4	4.8
Endosulfan II	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	2.4	4.8
Endosulfan sulfate	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	2.4	4.8
Endrin	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.36	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	0.014	2.2
Endrin aldehyde	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	**0.056**		< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.015	U	< 0.36	U	**0.008**		NS	NS
Endrin ketone	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	NS	NS
g-BHC	< 0.0014	U	< 0.0013	U	< 0.0015	U	< 0.0014	U	< 0.0014	U	< 0.0014	U	< 0.15	U	< 0.0013	U	< 0.0016	U	< 0.0014	U	< 0.17	U	< 0.0014	U	0.1	0.28
g-Chlordane	< 0.0036	U	< 0.0033	U	< 0.0037	U	< 0.0035	U	< 0.0035	U	< 0.0035	U	< 0.36	U	< 0.0033	U	< 0.004	U	< 0.0035	U	< 2	U	< 0.0034	U	NS	NS
Heptachlor	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.36	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.18	U	< 0.0069	U	0.042	0.42
Heptachlor epoxide	< 0.0072	U	< 0.0067	U	< 0.0075	U	< 0.007	U	< 0.007	U	< 0.0071	U	< 0.73	U	< 0.0067	U	< 0.008	U	< 0.007	U	< 0.36	U	< 0.0069	U	NS	NS
Methoxychlor	< 0.036	U	< 0.033	U	< 0.037	U	< 0.035	U	< 0.035	U	< 0.035	U	< 3.6	U	< 0.033	U	< 0.04	U	< 0.035	U	< 1.8	U	< 0.034	U	NS	NS
Toxaphene	< 0.14	U	< 0.13	U	< 0.15	U	< 0.14	U	< 0.14	U	< 0.14	U	< 15	U	< 0.13	U	< 0.16	U	< 0.14	U	< 7.2	U	< 0.14	U	NS	NS
PCB-1016	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1221	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1232	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1242	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1248	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1254	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1260	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	0.085	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	0.1	1
PCB-1262	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	NS	NS
PCB-1268	< 0.072	U	< 0.067	U	< 0.075	U	< 0.07	U	< 0.07	U	< 0.071	U	< 0.073	U	< 0.067	U	< 0.08	U	< 0.07	U	< 0.1	U	< 0.069	U	NS	NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 4

Soil Samples Analytical Results for Metals

Sample ID	SP-1 0-2 ft		SP-1 14.5-16.5 ft		SP-2 0-2 ft		SP-2 14.5-16.5 ft		SP-3 0-2 ft		SP-3 4-6 ft		SP-4 0-2 ft		SP-4 4-6 ft		SP-5 0-2 ft		SP-5 14.5-16.5 ft		SP-6 0-2 ft		SP-6 4-6 ft		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential
Sampling Date	12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015		12/10/2015			
Client Matrix	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
Compound	Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result		Result			
Units	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
Aluminum	**6290**		**3690**		**11100**		**3560**		**7440**		**5480**		**5230**		**4300**		**12800**		**4270**		**13500**		**6770**		NS	NS
Antimony	**8.1**		< 3.2	U	< 3.6	U	< 3.5	U	< 3.5	U	< 3.8	U	**9.5**		< 3.2	U	< 4.2	U	< 3.7	U	< 3.4	U	< 3.4	U	NS	NS
Arsenic	**12.4**		**2.1**		**5.8**		**1.5**		**6.2**		**1.4**		**13**		**1.1**		**5.7**		**2**		**18.6**		**2.7**		13	16
Barium	**150**		**20.3**		**78.6**		**23.5**		**255**		**17.1**		**451**		**19**		**57.4**		**32.3**		**387**		**25.2**		350	350
Beryllium	**0.41**		**0.28**		**0.42**		**0.28**		**0.43**		**0.32**		**0.48**		**0.33**		**0.37**		**0.32**		**1.43**		**0.42**		7.2	14
Cadmium	**0.82**		< 0.32	U	< 0.36	U	< 0.35	U	**0.73**		< 0.38	U	**3.71**		< 0.32	U	**1.01**		< 0.37	U	**2.59**		< 0.34	U	2.5	2.5
Calcium	**4590**		**895**		**3260**		**984**		**56200**		**907**		**15700**		**713**		**2490**		**825**		**45600**		**1750**		NS	NS
Chromium	**10.2**		**15.3**		**16.1**		**16**		**15.5**		**9.38**		**24.6**		**9.18**		**16.5**		**19.3**		**20.2**		**15.7**		30	NS
Cobalt	**5.11**		**5.48**		**6.07**		**6**		**5.19**		**4.59**		**5.91**		**4.13**		**4.01**		**5.76**		**4.94**		**5.98**		NS	NS
Copper	**235**		**8.32**		**52.2**		**7.89**		**52.6**		**8.26**		**1380**		**8.69**		**28.5**		**13.1**		**145**		**19.8**		50	270
Iron	**14400**		**11100**		**15700**		**9060**		**13700**		**8800**		**14900**		**9710**		**15500**		**11000**		**16300**		**12400**		NS	NS
Lead	**854**		**4.02**		**130**		**5.17**		**350**		**12.2**		**2660**		**5.84**		**73.6**		**30.2**		**861**		**11.6**		63	400
Magnesium	**1950**		**1920**		**2460**		**2370**		**9600**		**2380**		**5620**		**1930**		**1890**		**1870**		**11600**		**3130**		NS	NS
Manganese	**119**		**207**		**249**		**208**		**315**		**189**		**267**		**289**		**174**		**317**		**689**		**234**		1600	2000
Mercury	**0.29**		< 0.03	U	**0.19**		< 0.03	U	**0.26**		< 0.03	U	**1.21**		< 0.02	U	**0.3**		< 0.03	U	**0.38**		< 0.03	U	0.18	0.81
Nickel	**18.3**		**40.5**		**18.5**		**40.9**		**17.9**		**19.6**		**40**		**17.6**		**12.4**		**42.9**		**20.4**		**23.5**		30	140
Potassium	**510**		**675**		**916**		**782**		**949**		**631**		**922**		**505**		**1030**		**812**		**1820**		**963**		NS	NS
Selenium	< 1.4	U	< 1.3	U	< 1.5	U	< 1.4	U	< 1.4	U	< 1.5	U	< 1.5	U	< 1.3	U	< 1.7	U	< 1.5	U	< 1.4	U	< 1.3	U	3.9	36
Silver	**0.36**		< 0.32	U	< 0.36	U	< 0.35	U	< 0.35	U	< 0.38	U	**1.22**		< 0.32	U	< 0.42	U	< 0.37	U	< 0.34	U	< 0.34	U	2	36
Sodium	**86**		**107**		**77.1**		**91.5**		**248**		**53.4**		**445**		**51.4**		**76.6**		**96.2**		**743**		**86**		NS	NS
Thallium	< 3.2	U	< 2.9	U	< 3.3	U	< 3.1	U	< 3.1	U	< 3.4	U	< 3.4	U	< 2.9	U	< 3.8	U	< 3.3	U	< 3.1	U	< 3.0	U	NS	NS
Vanadium	**16.3**		**14.7**		**26.7**		**13.5**		**25.9**		**13.4**		**25.7**		**14.3**		**25.9**		**14.8**		**42.6**		**20.2**		NS	NS
Zinc	**347**		**17.8**		**117**		**19.1**		**329**		**20.5**		**541**		**16.8**		**158**		**28.1**		**541**		**32.6**		109	2200

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

= sample exceeds NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

Table 5
Groundwater Samples Analytical Results for VOCs
1353 Flatbush Avenue, Brooklyn, NY

Sample ID	MW-1		MW-2		MW-3		Fieldblank 1		Fieldblank 2		Tripblank 1		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/10/2015		
Client Matrix	Water		Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,1,1,2-Tetrachloroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,1,1-Trichloroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,1,2,2-Tetrachloroethane	< 0.50	U	< 5.0	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	5
1,1,2-Trichloroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
1,1-Dichloroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,1-Dichloroethene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,1-Dichloropropene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,2,3-Trichlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
1,2,3-Trichloropropane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	0.04
1,2,4-Trichlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
1,2,4-Trimethylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,2-Dibromo-3-chloropropane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	0.04
1,2-Dibromoethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	0.0006
1,2-Dichlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
1,2-Dichloroethane	< 0.60	U	< 6.0	U	< 0.60	U	< 0.60	U	< 0.60	U	< 0.60	U	0.6
1,2-Dichloropropane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
1,3,5-Trimethylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,3-Dichlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	3
1,3-Dichloropropane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
1,4-Dichlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
2,2-Dichloropropane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
2-Chlorotoluene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
2-Hexanone	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
2-Isopropyltoluene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
4-Chlorotoluene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
4-Methyl-2-pentanone	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
Acetone	< 25	U	< 250	U	< 25	U	< 25	U	< 25	U	< 25	U	50
Acrylonitrile	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Benzene	< 0.70	U	< 7.0	U	< 0.70	U	< 0.70	U	< 0.70	U	< 0.70	U	1
Bromobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Bromochloromethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Bromodichloromethane	< 0.50	U	< 5.0	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	50
Bromoform	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	50
Bromomethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Carbon Disulfide	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
Carbon tetrachloride	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Chlorobenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Chloroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Chloroform	2.2		< 10	U	11		< 1.0	U	< 1.0	U	< 1.0	U	7
Chloromethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
cis-1,2-Dichloroethene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
cis-1,3-Dichloropropene	< 0.40	U	< 4.0	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	0.4
Dibromochloromethane	< 0.50	U	< 5.0	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	50
Dibromomethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Dichlorodifluoromethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Ethylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Hexachlorobutadiene	< 0.40	U	< 4.0	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	0.5
Isopropylbenzene	< 1.0	U	25		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
m&p-Xylene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
Methyl ethyl ketone	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Methyl t-butyl ether (MTBE)	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
Methylene chloride	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Naphthalene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	10
n-Butylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
n-Propylbenzene	< 1.0	U	39		< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
o-Xylene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
p-Isopropyltoluene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
sec-Butylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Styrene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
tert-Butylbenzene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Tetrachloroethene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Tetrahydrofuran (THF)	< 2.5	U	< 25	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	50
Toluene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Total Xylenes	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
trans-1,2-Dichloroethene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
trans-1,3-Dichloropropene	< 0.40	U	< 4.0	U	< 0.40	U	< 0.40	U	< 0.40	U	< 0.40	U	0.4
trans-1,4-dichloro-2-butene	< 5.0	U	< 50	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Trichloroethene	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Trichlorofluoromethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Trichlorotrifluoroethane	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
Vinyl chloride	< 1.0	U	< 10	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	2

NOTES:
Any Regulatory Exceedences are color coded by Regulation
= sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Q is the Qualifier Column with definitions as follows:
U=analyte not detected at or above the level indicated
NT=this indicates the analyte was not a target for this sample
NS=this indicates that no regulatory limit has been established for this analyte
ND=analyte not detected at or above the level indicated

Table 6

Groundwater Analytical Results for SVOCs

1353 Flatbush Avenue, Brooklyn, NY

Sample ID	MW-1		MW-2		MW-3		Fieldblank 1		Fieldblank 2		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/11/2015		
Client Matrix	Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
1,2,4-Trichlorobenzene	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
1,2-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	3
1,3-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	3
1,4-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	< 2.5	U	3
2,4,5-Trichlorophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
2,4,6-Trichlorophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
2,4-Dichlorophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	5
2,4-Dimethylphenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	50
2,4-Dinitrophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	10
2,4-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
2,6-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
2-Chloronaphthalene	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	10
2-Chlorophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
2-Methylnaphthalene	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
2-Methylphenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
2-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
2-Nitrophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
3- & 4-Methylphenols	< 10	U	< 10	U	< 10	U	< 10	U	< 10	U	NS
3,3'-Dichlorobenzidine	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
3-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
4,6-Dinitro-2-methylphenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
4-Bromophenyl phenyl ether	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
4-Chloro-3-methylphenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
4-Chloroaniline	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
4-Chlorophenyl phenyl ether	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
4-Nitroaniline	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
4-Nitrophenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
Acenaphthene	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	20
Acenaphthylene	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	< 0.05	U	NS
Aniline	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Anthracene	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	50
Benzo(a)anthracene	< 0.02	U	< 0.02	U	**0.03**		< 0.02	U	< 0.02	U	0.002
Benzo(a)pyrene	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	0.002
Benzo(b)fluoranthene	< 0.02	U	< 0.02	U	**0.02**		< 0.02	U	< 0.02	U	0.002
Benzo(g,h,i)perylene	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	NS
Benzo(k)fluoranthene	< 0.02	U	< 0.02	U	**0.02**		< 0.02	U	< 0.02	U	0.002
Benzyl butyl phthalate	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Bis(2-chloroethoxy)methane	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Bis(2-chloroethyl)ether	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
Bis(2-chloroisopropyl)ether	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Bis(2-ethylhexyl)phthalate	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	5
Chrysene	< 0.02	U	< 0.02	U	**0.02**		< 0.02	U	< 0.02	U	0.002
Dibenzo(a,h)anthracene	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	NS
Dibenzofuran	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
Diethyl phthalate	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Dimethyl phthalate	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Di-n-butyl phthalate	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Di-n-octyl phthalate	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Fluoranthene	< 0.04	U	< 0.04	U	< 0.04	U	< 0.04	U	< 0.04	U	50
Fluorene	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	50
Hexachlorobenzene	< 0.04	U	< 0.04	U	< 0.04	U	< 0.04	U	< 0.04	U	0.04
Hexachlorobutadiene	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	0.5
Hexachlorocyclopentadiene	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	5
Hexachloroethane	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	5
Indeno(1,2,3-cd)pyrene	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	< 0.02	U	0.002
Isophorone	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Naphthalene	< 0.10	U	**1.5**		< 0.10	U	**0.14**		< 0.10	U	10
Nitrobenzene	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	0.4
N-Nitrosodimethylamine	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
N-nitroso-di-n-propylamine	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	NS
N-Nitrosodiphenylamine	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	< 5.0	U	50
Pentachlorophenol	< 0.80	U	< 0.80	U	< 0.80	U	< 0.80	U	< 0.80	U	1
Phenanthrene	< 0.05	U	**0.06**		< 0.05	U	< 0.05	U	< 0.05	U	50
Phenol	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	1
Pyrene	< 0.02	U	< 0.02	U	**0.03**		< 0.02	U	< 0.02	U	50
Pyridine	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	< 0.50	U	50
Total SVOC's	ND		1.56		0.12		0.14		ND		NS

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Q is the Qualifier Column with definitions as follows:

J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

ND=analyte not detected at or above the level indicated

B=analyte is detected in associated batch blank

Table 7

Groundwater Analytical Results for Pesticides & PCBs

Sample ID	MW-1		MW-2		MW-3		Fieldblank 1		Fieldblank 2		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/11/2015		
Client Matrix	Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	mg/Kg
4,4' -DDD	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
4,4' -DDE	< 0.007	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
4,4' -DDT	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
a-BHC	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.05
Alachlor	< 0.075	U	< 0.075	U	< 0.075	U	< 0.075	U	< 0.075	U	NS
Aldrin	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	0.01
b-BHC	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.05
Chlordane	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.1
d-BHC	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.05
Dieldrin	< 0.004	U	< 0.002	U	< 0.002	U	< 0.003	U	< 0.002	U	0.01
Endosulfan I	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.1
Endosulfan II	< 0.050	U	< 0.050	U	< 0.050	U	< 0.005	U	< 0.050	U	0.1
Endosulfan Sulfate	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.1
Endrin	< 0.005	U	< 0.010	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
Endrin Aldehyde	< 0.050	U	< 0.050	U	< 0.050	U	< 0.005	U	< 0.050	U	NS
Endrin ketone	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	NS
g-BHC (Lindane)	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	< 0.025	U	0.05
Heptachlor	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
Heptachlor epoxide	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.01
Methoxychlor	< 0.10	U	< 0.10	U	< 0.10	U	< 0.005	U	< 0.10	U	35
Toxaphene	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	< 1.0	U	NS
PCB-1016	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1221	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1232	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1242	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1248	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1254	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1260	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	0.09
PCB-1262	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	NS
PCB-1268	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	< 0.050	U	NS

Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 8
Groundwater Analytical Results for Metals

Sample ID	MW-1		MW-2		MW-3		Fieldblank 1		Fieldblank 2		NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/11/2015		
Client Matrix	Water		Water		Water		Water		Water		
Compound	Result		Result		Result		Result		Result		
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L
Metals, Target Analyte											
Aluminum	**1.19**		**0.121**		**0.465**		< 0.010		< 0.010		0.1
Antimony	< 0.003	U	< 0.003		< 0.003		< 0.003		< 0.003		0.003
Arsenic	< 0.004	U	< 0.004		< 0.004		< 0.004		< 0.004		0.025
Barium	**0.069**		**0.099**		**0.072**		< 0.002		< 0.002		1
Beryllium	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		0.003
Cadmium	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		0.005
Calcium	**30.1**		**55.1**		**47.4**		**0.028**		**0.029**		NS
Chromium	**0.003**		< 0.001		**0.001**		< 0.001		< 0.001		0.05
Cobalt	< 0.002		**0.004**		**0.003**		< 0.002		< 0.002		NS
Copper	< 0.005		< 0.005		< 0.005		< 0.005		< 0.005		0.2
Iron	**1.6**		**0.309**		**0.647**		< 0.010		< 0.010		0.3
Lead	**0.003**		**0.004**		**0.002**		< 0.002		< 0.002		0.025
Magnesium	**11.8**		**19**		**15.1**		< 0.01		< 0.01		35
Manganese	**0.559**		**1.13**		**0.967**		< 0.001		< 0.001		0.3
Mercury	< 0.0002		< 0.0002		< 0.0002		< 0.0002		< 0.0002		0.0007
Nickel	**0.084**		**0.08**		**0.067**		< 0.001		< 0.001		0.1
Potassium	**5.8**		**6.8**		**5.2**		< 0.1		< 0.1		NS
Selenium	< 0.010		< 0.010		< 0.010		< 0.010		< 0.010		0.01
Silver	< 0.001		< 0.001		< 0.001		< 0.001		< 0.001		0.05
Sodium	**148**		**81.2**		**93**		< 0.1		< 0.1		20
Thallium	< 0.0005		< 0.0005		< 0.0005		< 0.0005		< 0.0005		0.0005
Vanadium	< 0.002		< 0.002		< 0.002		< 0.002		< 0.002		NS
Zinc	**0.009**		**0.005**		**0.003**		< 0.002		< 0.002		5
Metals, Target Analyte, Dissolved											
Aluminum (Dissolved)	**0.041**		**0.072**		**0.031**		< 0.011	U	< 0.011	U	0.1
Antimony (Dissolved)	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	< 0.003	U	0.003
Arsenic (Dissolved)	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	< 0.004	U	0.025
Barium (Dissolved)	**0.06**		**0.094**		**0.066**		< 0.002	U	< 0.002	U	1
Beryllium (Dissolved)	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	0.003
Cadmium (Dissolved)	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	0.005
Calcium (Dissolved)	**29.9**		**54.3**		**47.1**		**0.04**		**0.04**		NS
Chromium (Dissolved)	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	0.05
Cobalt (Dissolved)	< 0.001	U	**0.004**		**0.003**	U	< 0.001	U	< 0.001	U	NS
Copper (Dissolved)	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	< 0.005	U	0.2
Iron (Dissolved)	**0.032**		**0.04**		< 0.011	U	< 0.011	U	< 0.011	U	0.3
Lead (Dissolved)	< 0.002	U	**0.004**		**0.005**		< 0.002	U	< 0.002	U	0.025
Magnesium (Dissolved)	**10.8**		**18.5**		**14.6**		< 0.01	U	< 0.01	U	35
Manganese (Dissolved)	**0.513**		**1.1**		**0.957**		< 0.001	U	< 0.001	U	0.3
Mercury (Dissolved)	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U	< 0.0002	U	0.0007
Nickel (Dissolved)	**0.069**		**0.077**	U	**0.061**		< 0.001	U	< 0.001	U	0.1
Potassium (Dissolved)	**5.3**	U	**6**		**4.7**		< 0.1	U	< 0.1	U	NS
Selenium (Dissolved)	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	0.01
Silver (Dissolved)	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	< 0.001	U	0.05
Sodium (Dissolved)	**143**		**79.7**		**98.6**		< 0.11	U	< 0.11	U	20
Thallium (Dissolved)	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	< 0.0005	U	0.0005
Vanadium (Dissolved)	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	NS
Zinc (Dissolved)	**0.003**		**0.002**		**0.003**		< 0.002	U	**0.003**		5

NOTES:

Any Regulatory Exceedences are color coded by Regulation

= sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Q is the Qualifier Column with definitions as follows:

U=analyte not detected at or above the level indicated

NS=this indicates that no regulatory limit has been established for this analyte

Table 9
Soil Vapor Analytical Results
1353 Flatbush Avenue, Brooklyn, NY

Sample ID	SV-1		SV-2		SV-3		SV-4		OA	
Sampling Date	12/11/2015		12/11/2015		12/11/2015		12/11/2015		12/11/2015	
Client Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Outdoor Ambient Air	
Compound	Result		Result		Result		Result		Result	
Volatile Organics, EPA TO15 Full List	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q
1,1,1,2-Tetrachloroethane	< 0.146	U	< 0.146	U	< 0.146	U	< 0.146	U	< 0.146	U
1,1,1-Trichloroethane	**0.383**		< 0.183	U	< 0.183	U	< 0.183	U	< 0.183	U
1,1,2,2-Tetrachloroethane	< 0.146	U	< 0.146	U	< 0.146	U	< 0.146	U	< 0.146	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,2-Trichloroethane	< 0.183	U	< 0.183	U	< 0.183	U	< 0.183	U	< 0.183	U
1,1-Dichloroethane	< 0.247	U	< 0.247	U	< 0.247	U	< 0.247	U	< 0.247	U
1,1-Dichloroethylene	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U
1,2,4-Trichlorobenzene	< 0.135	U	< 0.135	U	< 0.135	U	< 0.135	U	< 0.135	U
1,2,4-Trimethylbenzene	**1.21**		**1.43**		**1.44**		**1.39**		**0.361**	
1,2-Dibromoethane	< 0.130	U	< 0.130	U	< 0.130	U	< 0.130	U	< 0.130	U
1,2-Dichlorobenzene	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U
1,2-Dichloroethane	< 0.247	U	< 0.247	U	< 0.247	U	< 0.247	U	< 0.247	U
1,2-Dichloropropane	< 0.217	U	< 0.217	U	< 0.217	U	< 0.217	U	< 0.217	U
1,2-Dichlorotetrafluoroethane	< 0.143	U	< 0.143	U	< 0.143	U	< 0.143	U	< 0.143	U
1,3,5-Trimethylbenzene	**0.305**		**0.364**		**0.357**		**0.351**		< 0.204	U
1,3-Butadiene	< 0.452	U	< 0.452	U	< 0.452	U	< 0.452	U	< 0.452	U
1,3-Dichlorobenzene	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U
1,3-Dichloropropane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,4-Dichlorobenzene	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U	< 0.166	U
1,4-Dioxane	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U
2-Butanone	**1.31**		**4.24**		**5.89**		**4.72**		**1.81**	
2-Hexanone	< 0.244	U	< 0.244	U	**0.35**	U	< 0.244	U	< 0.244	U
4-Methyl-2-pentanone	< 0.244	U	< 0.244	U	< 0.244	U	< 0.244	U	< 0.244	U
Acetone	**3.21**		**6.5**		**9.35**		**16.9**		**4.87**	
Acrylonitrile	< 0.461	U	< 0.461	U	< 0.461	U	< 0.461	U	< 0.461	U
Benzene	< 0.313	U	**1.19**		**1.39**		**1.14**		**0.814**	
Benzyl chloride	< 0.193	U	< 0.193	U	< 0.193	U	< 0.193	U	< 0.193	U
Bromodichloromethane	< 0.149	U	< 0.149	U	< 0.149	U	< 0.149	U	< 0.149	U
Bromoform	< 0.097	U	< 0.097	U	< 0.097	U	< 0.097	U	< 0.097	U
Bromomethane	< 0.258	U	< 0.258	U	< 0.258	U	< 0.258	U	< 0.258	U
Carbon disulfide	< 0.321	U	< 0.321	U	**0.374**		**0.454**		< 0.321	U
Carbon tetrachloride	< 0.040	U	< 0.040	U	< 0.040	U	< 0.040	U	**0.073**	
Chlorobenzene	< 0.217	U	< 0.217	U	< 0.217	U	< 0.217	U	< 0.217	U
Chloroethane	< 0.379	U	< 0.379	U	< 0.379	U	< 0.379	U	< 0.379	U
Chloroform	< 0.205	U	< 0.205	U	**0.26**		**0.743**		< 0.205	U
Chloromethane	< 0.485	U	< 0.485	U	< 0.485	U	< 0.485	U	**0.657**	
cis-1,2-Dichloroethylene	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U
cis-1,3-Dichloropropylene	< 0.221	U	< 0.221	U	< 0.221	U	< 0.221	U	< 0.221	U
Cyclohexane	< 0.291	U	< 0.291	U	**0.378**		< 0.291	U	**0.38**	
Dibromochloromethane	< 0.118	U	< 0.118	U	< 0.118	U	< 0.118	U	< 0.118	U
Dichlorodifluoromethane	**0.427**		**0.371**		**0.466**		**0.319**		**0.491**	
Ethyl acetate	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U
Ethyl Benzene	**0.746**		**1.9**		**2.04**		**3.37**		**0.243**	
Hexachlorobutadiene	< 0.094	U	< 0.094	U	< 0.094	U	< 0.094	U	< 0.094	U
Isopropanol	**0.921**		**1.98**		**2.3**		**1.91**		**4.55**	
Methyl tert-butyl ether (MTBE)	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U	< 0.278	U
Methylene chloride	< 0.288	U	< 0.288	U	< 0.288	U	< 0.288	U	**0.421**	
n-Heptane	< 1.00	U	**5.41**		**5.86**		**4.96**		**1.98**	
n-Hexane	**1.11**		**3.84**		**4.97**		**3.59**		**4.61**	
o-Xylene	**0.805**		**1.51**		**1.65**		**1.72**		**0.267**	
p- & m- Xylenes	**3.42**		**6.49**		**6.99**		**11.4**		**0.863**	
p-Ethyltoluene	**5.31**		**6.73**		**7.07**		**6.88**		**1.56**	
Propylene	< 0.581	U	< 0.581	U	< 0.581	U	< 0.581	U	**5.82**	
Styrene	< 0.235	U	< 0.235	U	< 0.235	U	< 0.235	U	< 0.235	U
Tetrachloroethylene	**6.05**		**1.11**		**1.32**		**1.08**		**0.137**	
Tetrahydrofuran	**0.512**		**2.9**		**3.5**		**2.53**		< 0.339	U
Toluene	**3.35**		**16.3**		**17.2**		**16**		**1.5**	
trans-1,2-Dichloroethylene	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U	< 0.252	U
trans-1,3-Dichloropropylene	< 0.221	U	< 0.221	U	< 0.221	U	< 0.221	U	< 0.221	U
Trichloroethylene	< 0.047	U	**0.081**		**0.048**		**0.063**		< 0.047	U
Trichlorofluoromethane (Freon 11)	**0.179**		**1.75**		**0.688**		**0.707**		**0.239**	
Vinyl Chloride	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U

NOTES:

Q is the Qualifier Column with definitions as follows:

D=result is from an analysis that required a dilution

U=analyte not detected at or above the level indicated

E=result is estimated and cannot be accurately reported due to levels encountered or interferences

NS=this indicates that no regulatory limit has been established for this analyte

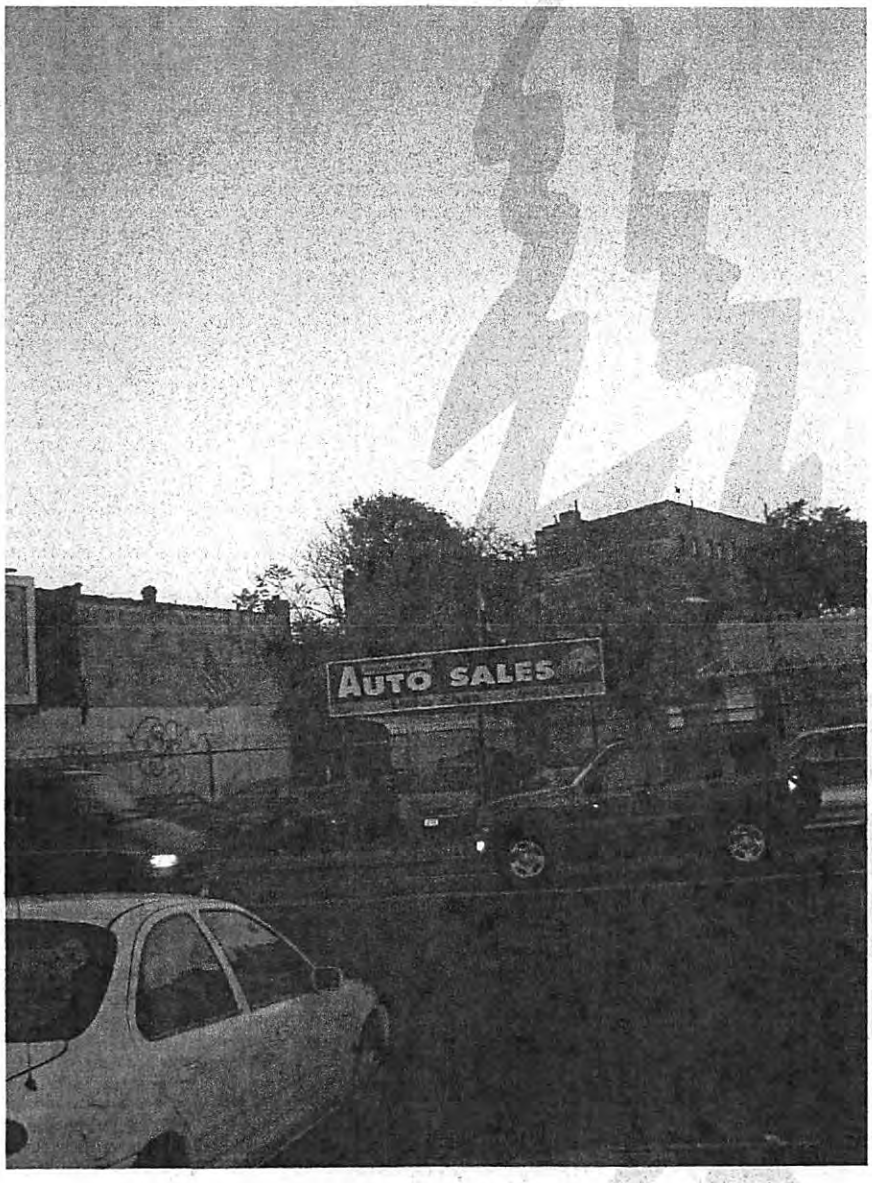
(1) Indoor Air guidelines provided in Appendix H of the NYSDOH Soil Vapor Insturion Guidance - October 2006

(2) Air guidelines provided in PERC in Indoor and Outdoor Air Fact Sheet issued by NYSDOH, September 2013

APPENDIX A

SINGER
environmental group

PHASE I ENVIRONMENTAL ASSESSMENT



1353-1355 FLATBUSH AVENUE
BROOKLYN, NY 11210

5318 New Utrecht Avenue Brooklyn, New York 11219
T: 718.437.9600 F: 718.437.0082 E: singenv@aol.com

PHASE I ENVIRONMENTAL ASSESSMENT

ASTM E1527-00

PROPERTY ADDRESS: 1353-1355 FLATBUSH AVENUE
BROOKLYN, NY 11210

PREPARED FOR: FLATBUSH AVE DEVELOPMENT LLC
1910 CONEY ISLAND AVENUE
BROOKLYN, NY

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

DATE: NOVEMBER 10, 2004

EXECUTIVE SUMMARY

SITE DESCRIPTION

- This property is known as 1353-1355 FLATBUSH AVENUE, Brooklyn, NY, Block 5227, Lot 16.
- This property consists of a one story plus cellar office building and lot containing a used car lot. (Exhibit A)
- Lot Size:18.25'X85'.
- This property is zoned for "Vacant Land" use.
  Note: The one story office building does not appear on the Building Department Property Profile Overview or the Sanborn History Maps.

ASBESTOS

- NO visible and/or friable ACM was noted during this inspection.

Please note: NO core samples were taken during this inspection, in the event of change in present status, eg, demolition, alteration, modification, all suspect materials should tested and verified free of any ACM.

FUEL OIL STORAGE TANK

- The inactive boiler is gas fired.
- NO tank was noted during this inspection.

PCB's

- NO PCB's were noted during this inspection.

SITE HISTORY

- In reviewing the history of this building and property, a Sanborn Map Search was conducted and it was determined that this property has been Vacant from the 1900's to the 1960's and Parking/Vacant from the 1970's to the 1990's.
- A Certificate of Occupancy Search was conducted and the following Certificate of Occupancy was found:

  Certificate of Occupancy dated October 10, 1949:

  "Vacant space for the sale and display of not more that five (5) used cars."

SCOPE OF THIS PHASE I ENVIRONMENTAL SURVEY

To thoroughly inspect all accessible areas and facilities in and around the one story plus cellar building, and lot located at 1353-1355 FLATBUSH AVENUE, BROOKLYN, New York and to assess the environmental status of the subject property. The tasks were conducted via a visual inspection of the site, review of available historical records documenting uses of the property along with persons knowledgeable about the subject property.

This survey assessed any ongoing or former operations, whether current or former operators/leases used or stored chemicals on the premises, if any waste materials arising from operations have been dumped on the premises or if any landfill operations have taken place.

Visual inspection of the immediate vicinity around the premises were also conducted, wherever possible or reasonable, in order to determine whether any sites adjoining the premises are used for heavy manufacturing or the generation, storage, shipping or disposal of hazardous waste, chemical materials or fuel supplies; if there are any underground or suspended transformer, capacitors, etc. Containing PCB's on the subject property or if there are any underground storage tanks.

As part of this environmental survey, inquiry was made with the U.S. Environmental Protection Agency and appropriate State and Local Agencies in order to ascertain the location of any potential, alleged or known hazardous waste sites within a one half mile radius of subject property. The CERCLIS (Comprehensive Emergency Response, Compensation and Liability Information System) is the U.S. EPA's compilation of such alleged, potential or known hazardous waste sites brought to the attention of the U.S. EPA Office of Emergency and Remedial Response which have been, will be or are currently under investigation for suspected or known environmentally hazardous activities, The National Priorities List (NPL) is the U.S. EPA's listing of known of known contaminated sites which have been targeted for clean-up due to the immediate threat posed to human health and/or the environmental integrity of that property as well as its marketability.

If appropriate, inquiry was also made with the US Environmental Protection Agency and appropriate State and Local agencies regarding their acknowledgment that the presence and/or disposal of hazardous or toxic chemicals, if any, are within their guidelines and compliance.

Recommendations, wherever appropriate, have been given as to the action, if any, which should be taken to confirm with the most current guidelines and rules for compliance as set forth by these agencies.

The Phase I Environmental Survey is limited in budget and scope. No sampling, testing or laboratory analysis is conducted unless so noted and the assessment is based on the professional opinion of the Environmental Consultant. The Phase I Environmental Survey is not and should not be considered a warranty or guarantee about the presence or absence of environmental contaminants which might affect the subject property.

This report was prepared in accordance with ASTM E-1527-00 protocols for Phase I Environmental Site Assessments.

SURROUNDING AREAS

NORTH	RESIDENTIAL/STORES
SOUTH	AUTO REPAIR, RESIDENTIAL/STORES
WEST	LAUNDROMAT
EAST	PRIVATE GARAGE

CHEMICAL OR HAZARDOUS MATERIAL/WASTE STORAGE

- NO chemical or hazardous material/waste storage was noted during this inspection.

EDR(ENVIRONMENTAL DATE RESOURCES) DATABASE SUMMARY

DATABASE	SEARCH DISTANCE	SITES LISTED
SM. QUANTITY GENERATOR	¼ MILE	8
STATE HAZARDOUS WASTE	1 MILE	1
CORRACTS (CORRECTIVE ACTION)	1 MILE	1
LTANKS (LEAKING TANKS)	½ MILE	42
NY SPILLS	<1/8 MILE	0

These should have no affect on the subject property.

CONCLUSIONS AND RECOMMENDATIONS

NO REC's (Recognized Environmental Conditions) was noted on the subject property.

According to Sanborn History Maps the property adjoining to the south of the subject property was used as gasoline station facilities from the 1930's to the 1950's and auto repair facilities from the 1970's to the 1990's.

In the event in any excavation, a Phase II subsurface probe should be conducted to determine the possible presence of any soil/groundwater contamination.

SURVEY FINDINGS

GENERAL

A Phase I Environmental Survey was conducted in and around the property located at 1353-1355 FLATBUSH AVENUE, BROOKLYN, New York beginning with a visual inspection by an Environmental Consultant in all areas where hazardous or potentially toxic materials or substances might be present. A number of environmental risks were assessed during this investigation, including the presence of asbestos-containing materials, aboveground or underground storage tanks, chemical and/or hazardous waste storage and PCB content in electrical equipment. A Phase I Environmental Assessment does not involve any sampling, testing or laboratory analysis of on-site soil or ground water, unless so noted, and, thus, cannot confirm the nature of subsurface soil or ground water quality on the subject property.

SITE DESCRIPTION

According to the Department of Buildings, the subject property is located at the address known as 1353-1355 FLATBUSH AVENUE, Block 5227, Lot 16, in the Borough of BROOKLYN, New York. The subject property currently has one building on it. The Building located at the subject address is one story plus cellar building and lot containing used cars. (Exhibit A)

Note: The one story office building does not appear on the Building Department Property Profile Overview or the Sanborn History Maps.

SITE HISTORY

In reviewing the history of this building and property, a Sanborn Map Search was conducted and it was determined that this property has been Vacant from the 1900's to the 1960's and Parking/Vacant from the 1970's to the 1990's.

A Certificate of Occupancy Search was conducted and the following Certificate of Occupancy was found:

Certificate of Occupancy dated October 10, 1949:

"Vacant space for the sale and display of not more than five (5) used cars."

A Sanborn site history "mapping and geographic" search was conducted for a 100 year span and **18** maps were provided (see documentation).

YEAR	SUBJECT PROPERTY
1907	VACANT
1930	VACANT
1950	VACANT
1968	VACANT
1969	VACANT
1977	PARKING, VACANT
1979	PARKING, VACANT
1980	PARKING, VACANT
1981	PARKING, VACANT
1983	PARKING, VACANT
1987	PARKING, VACANT
1988	PARKING, VACANT
1989	PARKING, VACANT
1990	PARKING, VACANT
1992	PARKING, VACANT
1993	PARKING, VACANT
1995	PARKING, VACANT
1996	PARKING, VACANT

SURROUNDING AREAS	
NORTH (EXHIBIT D)	RESIDENTIAL/STORES
SOUTH (EXHIBIT C)	AUTO REPAIR, RESIDENTIAL/STORES
WEST	LAUNDROMAT
EAST (EXHIBIT B)	PRIVATE GARAGE

ENVIRONMENTAL ASSESSMENT

A visual inspection and interview at the subject property took place on November 1, 2004, by Mr. Shemon Singer, who was accompanied by the building owner, Basirat.

ASBESTOS CONTAINING MATERIALS (ACM)

Asbestos is the generic name for a group of naturally occurring hydrated mineral silicates that are characterized by fibers or bundles of fine single crystal fibers. The New York City Department of Environmental Protection defines asbestos containing materials as "any material which contains more than one percent asbestos by weight." Asbestos materials were used for many years in a variety of ways in building construction due to its excellent acoustic insulating and thermal barrier properties. The durability of asbestos fibers and their small size and fibrous shape make asbestos an unusual environmental contaminant. Water infiltration, contact during routine maintenance and age are major factors breaking down asbestos containing materials and creating exposure problems.

NO VISIBLE AND/OR FRIABLE ACM WAS NOTED DURING THIS INSPECTION.

Please note: NO core samples were taken during this inspection, in the event of change in present status, eg, demolition, alteration, modification, all suspect materials should tested and verified free of any ACM.

Rooms/areas/facilities in the cellar, and first floor areas and lot areas were inspected as part of this survey.

Cellar

Electric Meters, Storage, Oil Boiler	-	No ACM.

First Floor

Office	-	1'X1' Floor Tile, Sheetrock. Electric Heat.

Lot

Used Cars	-	Concrete, Asphalt, Vegetation.

CHEMICAL OR HAZARDOUS MATERIAL/WASTE STORAGE

The rooms/areas/facilities that were inspected as part of this Phase I environmental survey; **NO** storage or use of pesticides were found at the subject property. **NO** distressed vegetation was noted during this inspection.

PRESENCE OF PCBs IN TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT

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.

FUEL OIL STORAGE TANKS

The New York State Department of Environmental Conservation regulates the storage and handling of petroleum storage facilities. Aboveground and Underground storage tanks storing petroleum can, if not properly installed and maintained, cause serious environmental problems. Including contamination of a water supply. In an effort to prevent leaks and spills, the Petroleum Bulk Storage Law (Article 17, Title 10 of the Environmental Conservation Law) requires the DEC to develop and enforce a State Code for the storage and handling of petroleum. The resulting regulations are Parts 612, 613 and 614. Any facility with a stationary tank combined capacity exceeding 1,100 gallons must be registered with the New York State Department of Environmental Conservation.

- The inactive boiler is gas fired.
- NO tank was noted during this inspection.

RCRA - RESOURCE CONSERVATION AND RECOVERY ACT

RCRA was enacted in 1976 to address the problem of disposing solid waste, hazardous waste, underground storage tanks and medical waste. Subtitle C of the Act establishes a program to manage and regulate hazardous wastes. The objective of the subtitle C program is to ensure that hazardous waste is handled in a manner that protects human health and the environment. Under RCRA, there are three categories of hazardous waste generators: Large quantity generators (LQG), small quantity generators (SQG), and conditionally exempt small quantity generators. LQG are defined as those facilities that generate either 1,000 or more kilograms per month of hazardous waste or 1 kg or more of acutely hazardous waste per month.

LQG and SQG are subject to regulations contained in 40 CFR Part 262: Obtaining and EPA ID number, preparing the waste for transportation, follow storage requirements, manifesting of hazardous waste and record keeping.

This site is NOT listed on the RCRIS and FINDS Databases.

According to EDR Radius Map Search, 1 CORRACTS (Corrective Action) site is located 1/2 to 1 mile radius of the subject property.

According to EDR Radius Map Search, 8 Sm. Quantity Generators are located <1/8 to 1/4 mile radius of the subject property.

These should have NO affect on the subject property.

ADDITIONAL OBSERVATION

An inspection of the immediate vicinity around the subject property was also conducted as part of this Phase I Environmental Assessment.

In addition to the visual inspection, contact was made with the U.S. Environmental Protection Agency regarding the presence of any known, alleged or potential hazardous waste sites located in he immediate vicinity of the subject property which have been brought to the attention of the U.S. EPA Office of Emergency & Remedial Response and included in the Comprehensive Environmental Response, Compensation & Liability Information System (CERCLIS). Based on reports, **NO** such property has been identified as such (see documentation).

A review of the N.Y.S. D.E.C. Inactive Hazardous Waste Disposal Report was conducted. According to their records, **NO** sites have been identified on or near the subject property.

According to EDR Radius Map Search, 1 State Hazardous Waste site is located <1/8 to 1/4 mile radius of the subject property.

This should have NO affect on the subject property.

A radon test was **NOT** conducted at the subject property. Elevated radon levels create a potential health risk, The U.S. EPA and the Center for Disease Control have used a continuous exposure level of 4 pCi/L as a guidance level at or above which further testing and/or remedial action are indicated. There were no records or other evidence that radon testing has been performed at the subject property.

RECOMMENDATIONS

The following are recommendations based on the Phase I Environmental Survey conducted at the property located at 1353-1355 FLATBUSH AVENUE, BROOKLYN, New York.

On November 1, 2004, a Phase I Environmental Assessment of the above-mentioned property were conducted in accordance with the generally accepted assessment protocol. The Phase I environmental assessment relied primarily on visual observation made during inspection and review of available historical documents as they relate to current and past usages of the subject property. Additionally, the immediate vicinity of the subject property was inspected in order to ascertain the likelihood of toxic or hazardous substances or other agents to be present at surrounding locations which might adversely affect the subject site.

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.

NO VISIBLE AND/OR FRIABLE ACM WAS NOTED DURING THIS INSPECTION.

Please note: NO core samples were taken during this inspection, in the event of change in present status, eg, demolition, alteration, modification, all suspect materials should tested and verified free of any ACM.

THE FOLLOWING ARE FINDINGS AND RECOMMENDATIONS MADE BY THE SINGER ENVIRONMENTAL CONSULTANT:

THERE IS NO EVIDENCE THAT THIS SITE HAS BEEN USED FOR HEAVY MANUFACTURING, USE AND/OR STORAGE OF CHEMICALS OR FUEL SUPPLIES.

THE SITE TO THE SOUTH OF THE SUBJECT PROPERTY HAS BEEN USED AS A FORMER GASOLINE STATION AND CURRENT AUTO REPAIR.

SEE SITE HISTORY, CONCLUSIONS AND RECOMMENDATIONS.

UPON VISUAL INSPECTION, NO SUSPENDED OR SURFACE TRANSFORMERS WERE IDENTIFIED ON OR IN THE IMMEDIATE VICINITY OF THE SUBJECT PROPERTY.

Contact was made with Con Edison on January 1996 to ascertain whether or not any equipment owned and/or maintained by Con Edison is present in the immediate vicinity of the subject property and , if so, if any contain PCBs. Information provided to Singer Environmental has been that among transformers which have not been tested and determined to contain a quantity of PCBs (designated in ppms (parts per million), public utility companies are permitted to continue operation without restriction. However, if a problem were to arise as a result of a release of dielectric fluid from these transformers, the utility assumes responsibility to adequately mitigate the situation.

RADON

While radon has not been identified by the New York State Health Department as a major problem in the boroughs of New York City, the problem is site-specific and the potential health risk should be assessed.

SOIL & GROUNDWATER

The nature of subsurface soil and ground water at the subject property cannot be confirmed, given the limited budget and scope of this Phase I Environmental Survey.

NO REC's (Recognized Environmental Conditions) was noted on the subject property.

According to Sanborn History Maps the property adjoining to the south of the subject property was used as gasoline station facilities from the 1930's to the 1950's and auto repair facilities from the 1970's to the 1990's.

In the event in any excavation, a Phase II subsurface probe should be conducted to determine the possible presence of any soil/groundwater contamination.

ASBESTOS

According to the Environmental Protection Agency and included in the publication #EPA 560/5-85-024 "Guidance for Controlling Asbestos Containing Materials (ACM) in Buildings " asbestos containing materials are found in three forms: (1) Sprayed or troweled on ceilings and walls and structural steel; (2) in insulation around hot and cold piping, ducts, boilers and tanks; and (3) in a non-friable state in products such as ceilings and floor tiles. Wallboards and outside in materials such as shingles and roofing materials. In general, ACM in the first two categories is of greatest concern, especially if it is friable, causing the materials to release fibers into the air.

ACM are believed to be present on the roof in tars, felts and papers used in roof coatings. These materials are "non-friable" in their present state. In the event of change in present status e.g. demolition, these materials should be tested and verified of any ACM.

Ceiling and floor tile which may contain asbestos are not required to be removed due to their non-friable state.

FUEL OIL STORAGE TANKS

- The inactive boiler is gas fired.
- NO tank was noted during this inspection.

DEPARTMENT OF BUILDINGS

According to the Department of Buildings "Property Profile Overview" dated 11/02/04, NO DOB or ECB violation is "open" at this time.

LTANKS (LEAKING TANKS)

According to an EDR Radius Map search, **42** LTANKS sites were identified <1/8 to 1/2 mile of the subject property.

These should have NO affect on the subject property.

N.Y SPILLS

According to an EDR Radius Map search, **0** spill sites were identified <1/8 mile radius of the subject property.

FIRE DEPARTMENT

A record search at the Fire Department was **NOT** conducted for existing Fire Department violations.

Fire Department violations, if any, should show up on the Title Report.

N.Y.S. D.E.C.

A F.O.I.A. request was submitted to the N.Y.S. Department of Environmental Conservation regarding any spills, PBS (Petroleum Bulk Storage etc.). To date, **NO** response has been received. Upon receipt, an addendum will follow.

N.Y.C. D.E.P.

A F.O.I.A. request was submitted to the N.Y.C. Department of Environmental Protection regarding any violations, etc. To date, **NO** response has been received. Upon receipt, an addendum will follow.

DEPARTMENT OF HEALTH

A F.O.I.A. request was submitted to the Department of Health regarding any violations, etc. To date, **NO** response has been received. Upon receipt, an addendum will follow.

F.O.I.A. REQUESTS MAY BE FORWARD AFTER CLOSING DATE.

Singer Environmental Group, Ltd. has conducted this Phase I Environmental Survey as an aid in determining the presence of potentially toxic or hazardous chemicals or substances as of the date of inspection. Observations are made herein and conclusions drawn are not to be considered as a warranty or guarantee, and are based solely upon those areas directly visible and observable, without the removal or alterations of any item or structure and reflect conditions as on the day of inspection.

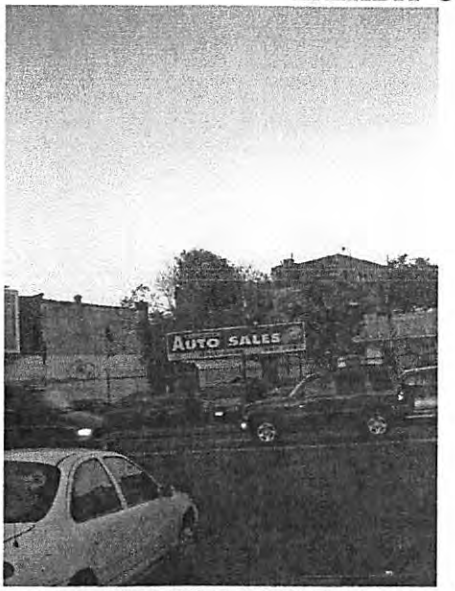
Singer Environmental Group, Ltd., their principals and employees are indemnified for any future changes or conditions of deterioration in or on the subject property. Inasmuch as each has made not guarantees of the premises, expressed or implied in connection with this report, any liability which each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

Respectfully Submitted by:

SHEMON SINGER
EAA CERTIFIED ENVIRONMENTAL INSPECTOR
NO. 6209
NOVEMBER 10, 2004

EXHIBIT D (NORTH)

EXHIBIT C (SOUTH)



1353-1355 FLATBUSH AVENUE, BROOKLYN, NY

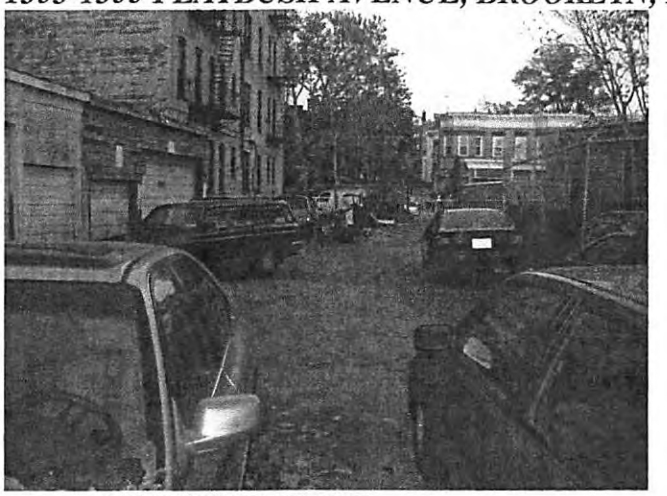


EXHIBIT B (EAST)


Mill Basin
Grand Army Plaza
Byrne Park
Central Library
St Johns Park
Brower Park
11213
Brooklyn Botanic Gardens
Park Slope
Eastern Parkway
Litchfield Mansion
Lincoln Terrace Park
11215
Lefferts Homestead
11225
11212
Prospect Park
626 Flatbush Ave
Brownsville
East Flatbush
27
Flatbush
Park Circle
11203
FORT HAMILTON PKWY
27
11226
Kensington
11218
OCEAN PKWY
1355 Flatbush Ave
Paerdegat Park
Parkville
Long Island
Amersfort Park
11210
Jacob Joffe Park
Gravesend Park
11230
11204
Flatlands
OCEAN PKWY
OCEAN PKWY
11229
Marine Park
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NYC BUILDINGS

NYC.gov always open

NYC Department of Buildings

Property Profile Overview

*GEO BIN = 3000000 THUS WORK WITH BIN BELOW

1353 FLATBUSH AVENUE		BROOKLYN 11210		BIN# 3814782	
FLATBUSH AVENUE	1353 - 1353	Health Area	: 74	Tax Block	: 5227
		Census Tract	: 788	Tax Lot	: 16
		Community Board	: 314	Condo	: NO
		Buildings on Lot	: 0	Vacant	: YES

View All Addresses... Browse Block Browse Lot View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Loft Law:	NO	**Local Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO	**Special District:**	N/A
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Historic Block:	5227	**Historic Lots:**	16 60
Other BINs:	NONE		
Department of Finance Occupancy Code:		V1-VACANT LAND	

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

	Total	Open
Complaints	0	0
Violations-DOB	1	0
Violations-ECB	0	0
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Actions	10	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

Elevator Records
Electrical (BEC) Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Facade Status Information
Marquee Annual Permits
Boiler Compliance

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

NYC BUILDINGS

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NYC Department of Buildings

Building Information Search

*NOT A VALID ADDRESS (1)

Property Search | Complaints / Violations | Applications | Boiler Search
Gas Service | Power Authorizations | Elevator Devices

Your Last 10 Searches

1) 1355 FLATBUSH AVENUE BROOKLYN
2) 1353 FLATBUSH AVENUE BROOKLYN
3) 630 FLATBUSH AVENUE BROOKLYN
4) 632 FLATBUSH AVENUE BROOKLYN
5) 626 FLATBUSH AVENUE BROOKLYN
6) 450 UNION STREET BROOKLYN
7) 123 WEST 15TH STREET MANHATTAN
8) 453 WEST 46TH STREET MANHATTAN
9) 515 WEST 46TH STREET MANHATTAN
10) 66-12 70TH ST QUEENS

Search by Property

1 Brooklyn House No: 1355 Street: flatbush avenue GO

2 Pick a Borough Block: Lot: GO

3 Building Identification Number (BIN): GO

Browse Block and Lot

4 Pick a Borough Block: Lot (optional): GO

Back to top

Search for Complaint or Violation

5 Complaint Number: GO

6 ECB Violation Number: GO

7 BIN Number for ECB Violation: GO

8 Select ECB Viol Type GO

Start Month: Start Day: Start Year:

End Month: End Day: End Year:

Back to top

Application Searches

9 BIS Job Number: Doc Number: GO

10 Permit Number: GO

11	BIS Plumbing Work Order Number:		GO
12	Work Orders by Licensee: Select License Type	Lic No:	GO
13	C. of O. Application Number:	Seq. Number:	GO
14	C. of O. Work Order Number:		GO
15	BEC Application Number:		GO
16	Pick BIS Job Type / Select Comm Bd Start Month: / Start Day: / Start Year: End Month: / End Day: / End Year:		GO
17	BIS Jobs: Select License Type	License Number:	GO
18	ARA Jobs: Select License Type	License Number:	GO

Back to top

Boiler Search

19	Pick a Borough	Boiler Number:	GO

Back to top

Gas Service Authorization

20	Pick a Borough Start Month: / Start Day: / Start Year: End Month: / End Day: / End Year:		GO

Back to top

Power Authorizations Issued

21	Pick a Borough Start Month: / Start Day: / Start Year: End Month: / End Day: / End Year:		GO

Back to top

Elevator Device Search

22 Device Number: GO

Back to top

Property Search | **Complaints / Violations** | **Applications** | **Boiler Search**
Gas Service | **Power Authorizations** | **Elevator Devices**

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

BIS Menu | Bldg Info Search

Department of Buildings Home Page • NYC.gov Home Page • Mayor's Office
City Agencies • Services • News and Features • City Life • Contact Us • Search

NYC BUILDINGS

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NYC Department of Buildings

Actions

Premises: 1353 FLATBUSH AVENUE BROOKLYN			BIN: 3814782	Block: 5227	Lot: 16
NUMBER		**TYPE**		**FILE DATE**	
ALT 789-030747		ALTERATION		00/00/1903	
ALTA 789-47				00/00/1947	
CC 612-032640		CURB CUT		00/00/1903	
CC 871-050747		CURB CUT		00/00/1905	
CERT 124588-101049	(PDF)	CERTIFICATE OF OCCUPANCY		00/00/1910	
NB 13736-080922		NEW BUILDING		00/00/1908	
NB 11355-091222		NEW BUILDING		00/00/1909	
NC 1479-073040				00/00/1907	
PRS 3037-1351-53-092853		PLUMBING REPAIR SLIP		00/00/1913	
UNK 47DOC9500		UNKNOWN		00/00/0000	

Next

Enter Action Type: Or Select from List: Select... Refresh

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

NYC BUILDINGS

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NYC Department of Buildings

Actions

Premises: 1353 FLATBUSH AVENUE BROOKLYN **BIN: 3814782 Block: 5227 Lot: 16**

NUMBER	TYPE	FILE DATE
V* 041686C201V	DOB VIOLATION DISMISSED	04/16/1986

DISMISSAL DATE: 07/17/1986 **AGENCY LICENSE:** **BADGE NO.:**

Previous

Enter Action Type: Or Select from List: Select... Refresh

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

TENTATIVE ASSESSMENT ROLL 2004-2005 | City of New York

Taxable Status Date: January 5, 2004

View 2003 FINAL ASSESSMENT ROLL
View 2004 FINAL ASSESSMENT ROLL

EXPLANATION OF ASSESSMENT ROLL

Parcel Information

◀◀ Previous BBL Next BBL ▶▶

Owner Name:
AGORO, BASIRAT

Property Address and Zip Code:
FLATBUSH AVENUE EXT

Real Estate Billing Name and Address:

Borough: BROOKLYN
Block: 5227
Lot: 16

Tax Class: 4
Building Class: V1 Codes

Land Information

Lot Size	Irregular	Corner
18.25FT X 85.00FT	IRREG	

Building Information

Number of Buildings	Building Size	Extension	Stories
	0.00FT X 0.00FT		

Assessment Information

Description	Land	Total
ESTIMATED MARKET VALUE		52,500
ACTUAL AV	23,625	23,625
ACTUAL EX AV	0	0
TRANS AV	21,780	21,780
TRANS EX AV	0	0

Taxable/Billable Assessed Value

	Assessed Value
SUBJECT TO ADJUSTMENTS, YOUR 2004/05 TAXES WILL BE BASED ON	21,780

Property is assessed at the following uniform percentages of full market value, unless limited to a lesser amount by law:

Class 1 - 8%	Class 2 - 45%	Class 3 - 45%	Class 4 - 45%

Statements List | Select a BBL | Logon to NYCProperty

Go To: Finance Home Page | NYC.gov Home Page | Contact NYC.gov | FAQs | Privacy Statement | Site Map

SINGER
environmental group

November 2, 2004

Department of Health
Patricia J. Caruso
Records Access Officer
125 Worth Street
Room 604 - Box 31
New York, N.Y. 10013

RE: F.O.I.A. Request

To Whom It May Concern:

Please provide any information on the premises located at the following address as soon as possible.

This is a Freedom of Information Request for the premises referenced above. We would like information concerning Underground Storage Tanks, site contamination, air emissions, drinking water quality, hazardous waste materials, spills and leaks and any other Environmental concerns that would affect the property.

RE: 515 WEST 46TH STREET, NEW YORK, NY
453 WEST 46TH STREET, NEW YORK, NY
123 WEST 15TH STREET, NEW YORK, NY
450 UNION STREET, BROOKLYN, NY
626-632 FLATBUSH AVENUE, BROOKLYN, NY
1353-1355 FLATBUSH AVENUE, BROOKLYN, NY

Our FAX number is (718) 437-0082. Thank you very much.

Sincerely,

Erica Hogan

5318 New Utrecht Avenue Brooklyn, New York 11219
T: 718.437.9600 F: 718.437.0082 E: singenv@aol.com

Form 54-32M-7-1948-(BE)-114

DEPARTMENT OF HOUSING AND BUILDINGS

HMJ BOROUGH OF Brooklyn , CITY OF NEW YORK

No.

Date OCT 10 1949

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at 1353 Flatbush Avenue, E/S, 146'-7 3/4" S. of Foster Avenue

Block 5227 Lot 18

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646b of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~Nature of work~~ Alt. 789/47 Construction classification— Vacant Land

Occupancy classification— Sale and Display of not more than Five (5) Used Cars Height -- stories, -- feet.

Date of completion— Const.- 9/27/49 Pl.- None Located in Business Use District.

101 Area Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here).

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
					Use Vacant Space (18'-3" x 54') for the Sale and Display of not more than Five (5) Used Cars.
					Total - As Stated Above

(Page 1)

Borough Superintendent.

SINGER
environmental group

November 2, 2004

ATTN: F.O.I.L DEPARTMENT - N.Y.S. D.E.C.

HERE ARE INFORMATION REQUESTS THAT WE NEED A RESPONSE TO AS SOON AS POSSIBLE, PLEASE:

RE: 515 WEST 46TH STREET, NEW YORK, NY
453 WEST 46TH STREET, NEW YORK, NY
123 WEST 15TH STREET, NEW YORK, NY
450 UNION STREET, BROOKLYN, NY
626-632 FLATBUSH AVENUE, BROOKLYN, NY
1353-1355 FLATBUSH AVENUE, BROOKLYN, NY

PBS -

SPILLS -

CBS -

MOSF -

AST/UST -

VIOLATIONS/

INSPECTIONS -

Thank you,

Erica Hogan

5318 New Utrecht Avenue Brooklyn, New York 11219
T: 718.437.9600 F: 718.437.0082 E: singenv@aol.com

SINGER
environmental group

November 2, 2004

Department of Environmental Protection
59-17 Junction Blvd.
8th Floor
Corona, New York 11373

Attn: Marie Dooley

RE: F.O.I.A. Request

To Whom It May Concern:

Please provide any information on the premises located at the following address as soon as possible.

RE: 515 WEST 46TH STREET, NEW YORK, NY
453 WEST 46TH STREET, NEW YORK, NY
123 WEST 15TH STREET, NEW YORK, NY
450 UNION STREET, BROOKLYN, NY
626-632 FLATBUSH AVENUE, BROOKLYN, NY
1353-1355 FLATBUSH AVENUE, BROOKLYN, NY

Our FAX number is (718) 437-0082. Thank you very much.

Sincerely,

Erica Hogan

5318 New Utrecht Avenue Brooklyn, New York 11219
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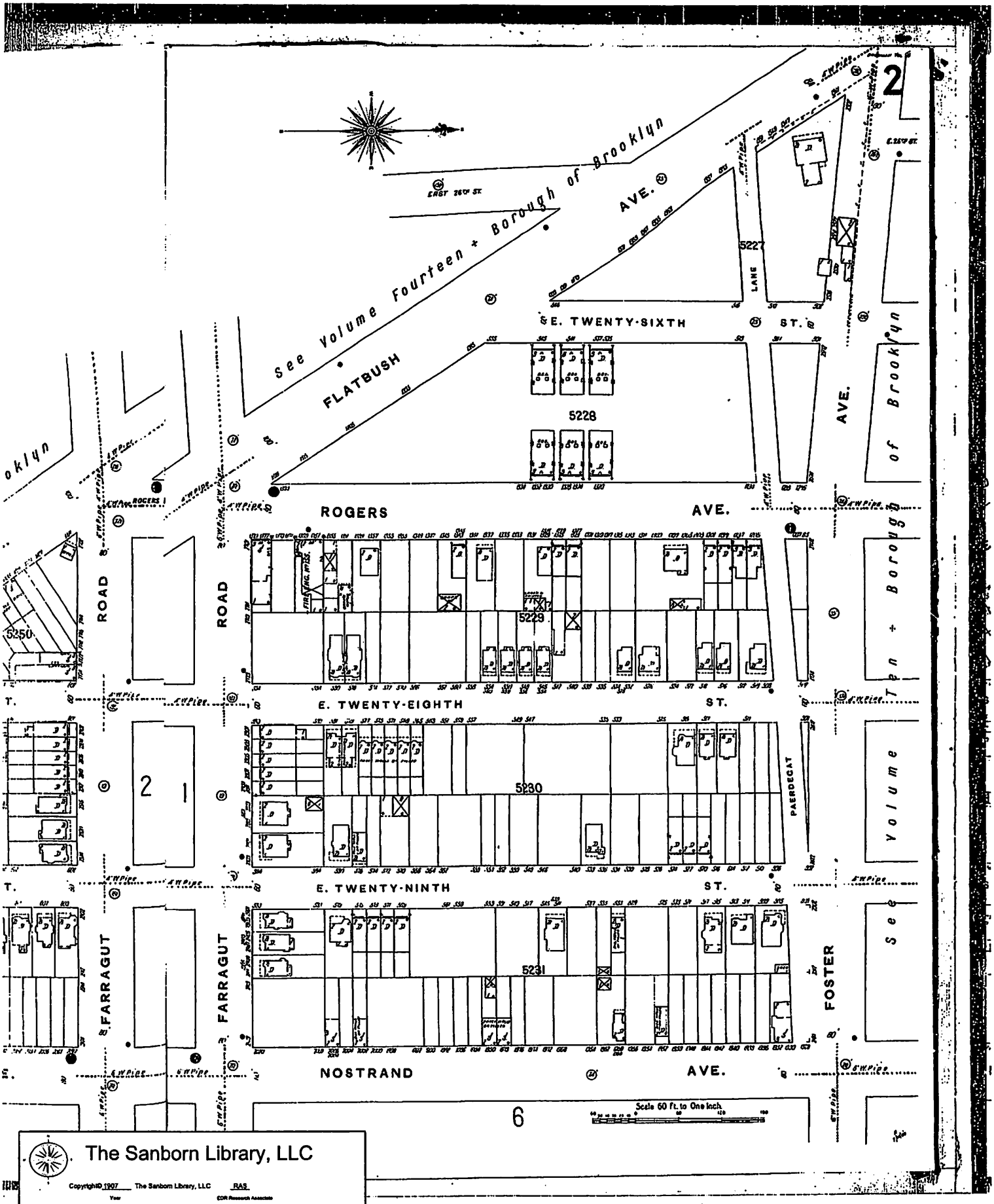

BROOKLYN, N.Y. Vol. 1

1

(2-VOL. 15)

13

NOSTRAND AV.

E. 29TH ST.

E. 28TH ST.

ROGERS AV.

E. 26TH ST.

FLATBUSH AV.

FARRAGUT RD.

FOSTER AV.

Borough of Brooklyn

5223

5230

5229

5228A

5227A

2

See Volume Thirteen, Borough of Brooklyn

See Volume Thirteen, Borough of Brooklyn

NOSTRAND AV.

E. 29TH ST.

E. 28TH ST.

ROGERS AV.

E. 26TH ST.

FLATBUSH AV.

FARRAGUT RD.

FOSTER AV.

5231

5230

5229

5228A

5227A

FARRAGUT THEATRE

GARAGE

See Volume Thirteen, Borough of Brooklyn

See Volume Two, Borough of Brooklyn

Sanborn Brooklyn, N.Y. Vol. 15
1
(2 VOL. 15)

13

NOSTRAND AV.

E. 29TH ST.

E. 28TH ST.

ROGERS AV.

E. 26TH ST.

FLATBUSH AV.

FARRAGUT RD.

FOSTER AV.

Borough of Brooklyn

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5223

5230

5229

5228

5228A

5227

5227A

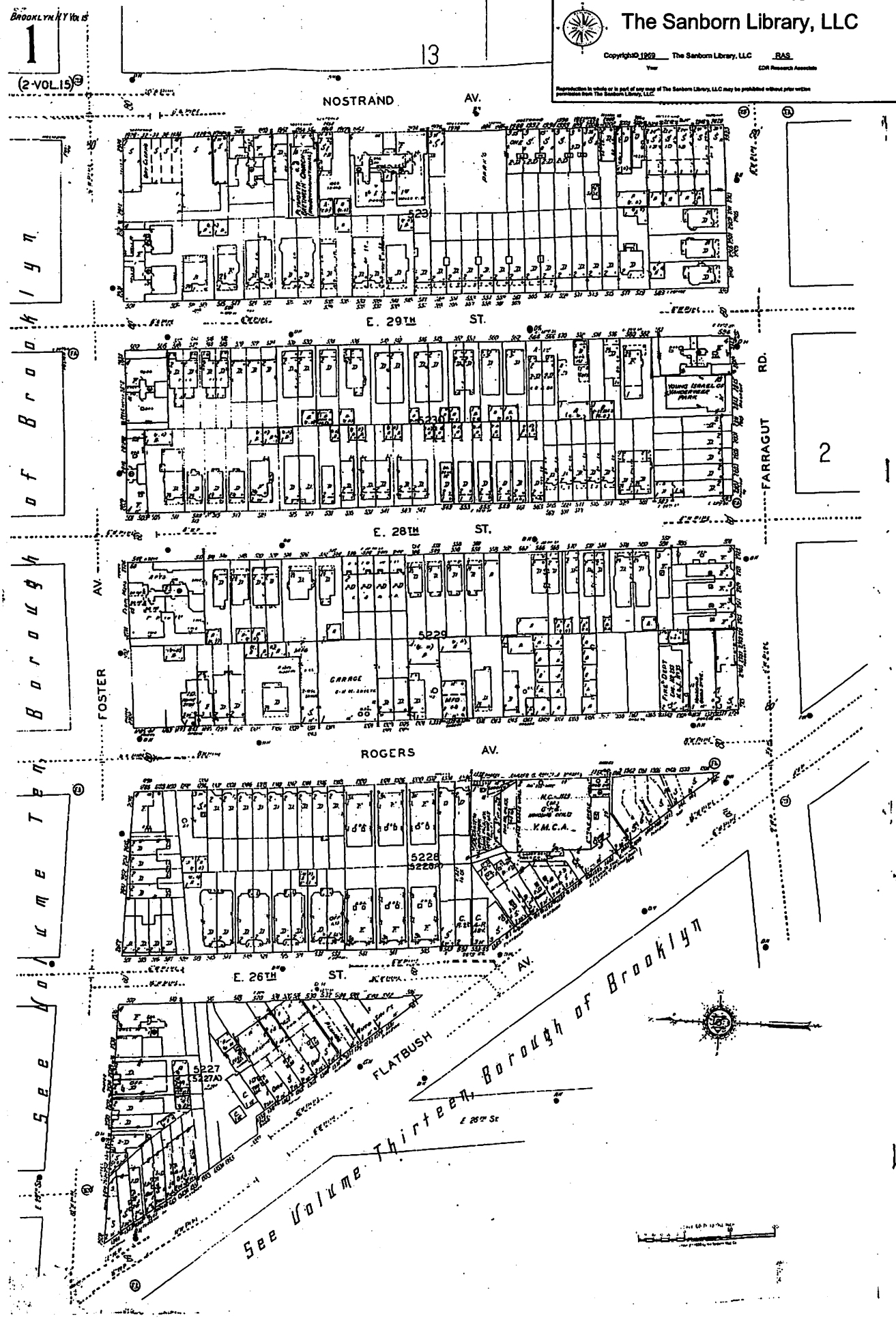
YOUNG ISRAEL OF FLATBUSH PARK

GARAGE

Y.M.C.A.

AUTO SALES

See Volume Thirteen, Borough of Brooklyn



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FOSTER AV.

Borough of Brooklyn

5231

5230

5229

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2

3

AUTO REP.

YOUNG ISRAEL OF FLATBUSH PARK

See Volume Thirteen, Borough of Brooklyn

See Volume Thirteen

E 26th St

SCALE OF FEET

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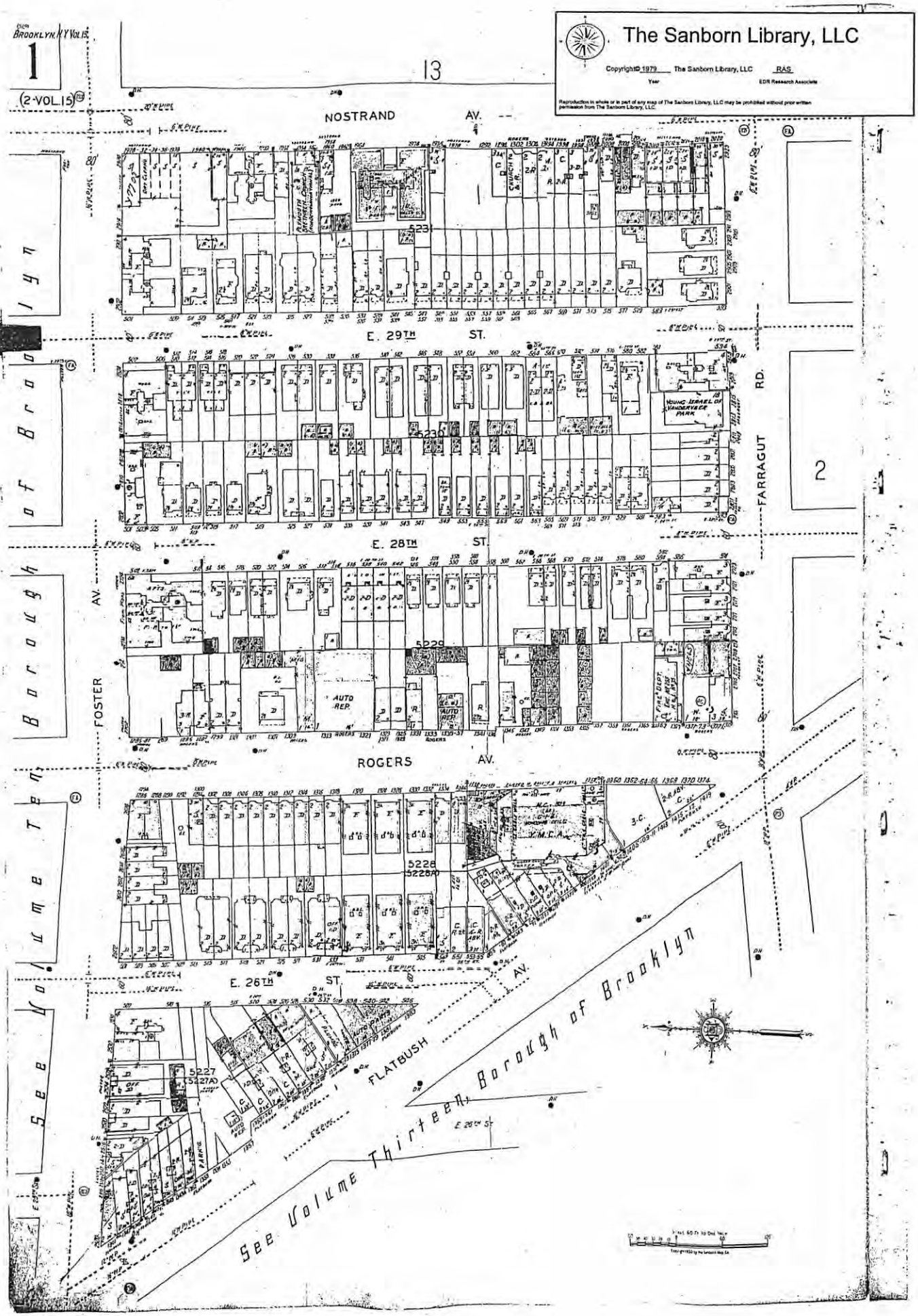

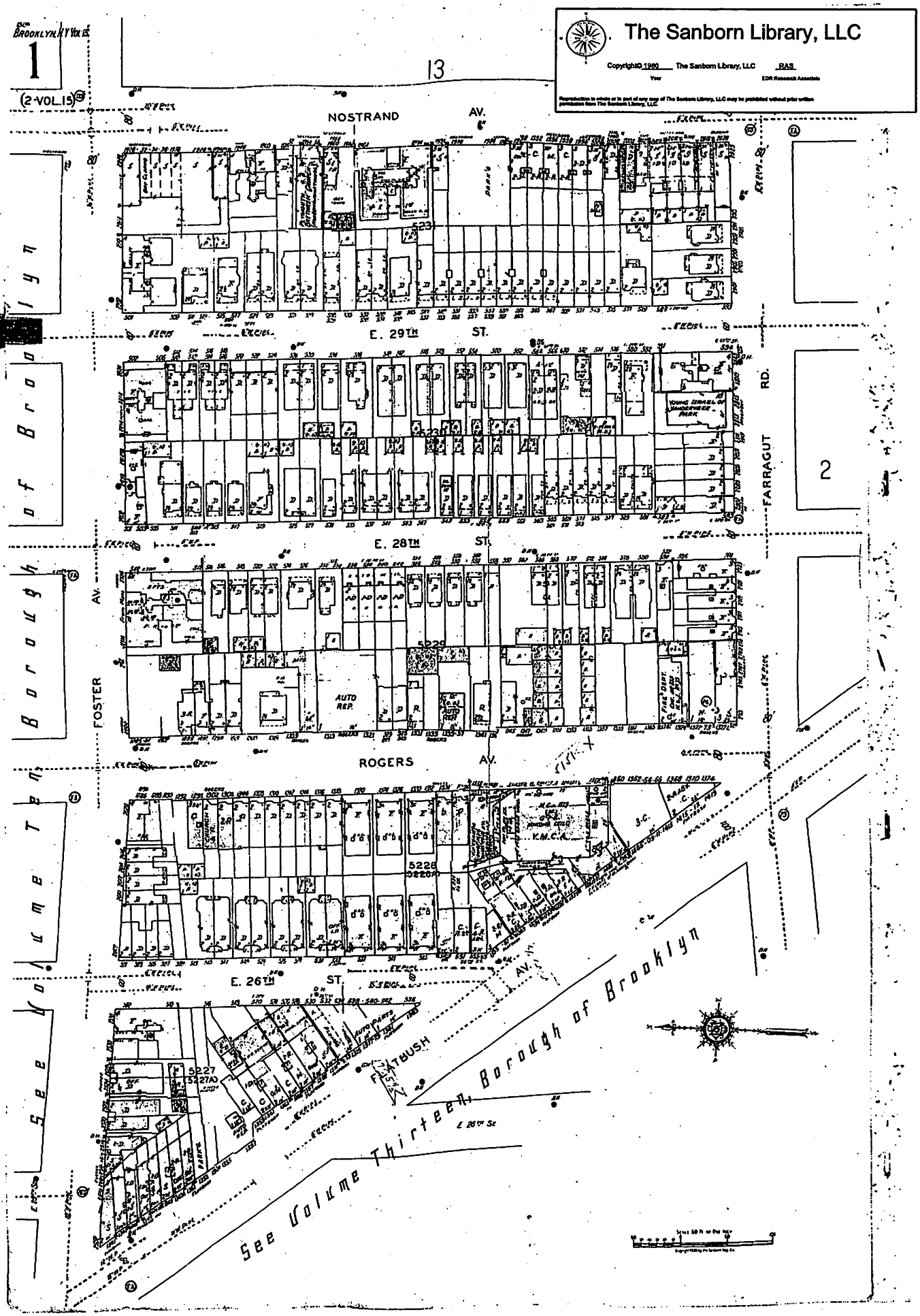
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Brooklyn, N.Y. Vol. 15
1
(2-VOL.15)
13
NOSTRAND AV.
E. 29th ST.
E. 28th ST.
ROGERS AV.
E. 26th ST.
FLATBUSH AV.
FARRAGUT RD.
FOSTER AV.
2
5223
5226
5228
5227
5227A
AUTO REP.
Y.M.C.A.
See Volume Thirteen, Borough of Brooklyn
See Volume Thirteen, Borough of Brooklyn

(2-VOL.15)

NOSTRAND AV.

E. 29TH ST.

E. 28TH ST.

ROGERS AV.

E. 26TH ST.

FLATBUSH AV.

E 26th St

FARRAGUT RD.

FOSTER AV.

Borough of Brooklyn

5223

5230

5229

5228

5228A

5227

5227A

AUTO REP.

AUTO PARTS

Y.M.C.A.

Young Israel of Flatbush Park

FIRE DEPT. ENG. 233

See Volume Thirteen

See Volume Two

2

SCALE OF FEET

BROOKLYN, N.Y. Vol. 1

1

(2 VOL. 15)

13

NOSTRAND AV.

E. 29TH ST.

E. 28TH ST.

ROGERS AV.

E. 26TH ST.

FLATBUSH AV.

FARRAGUT RD.

FOSTER AV.

Borough of Brooklyn

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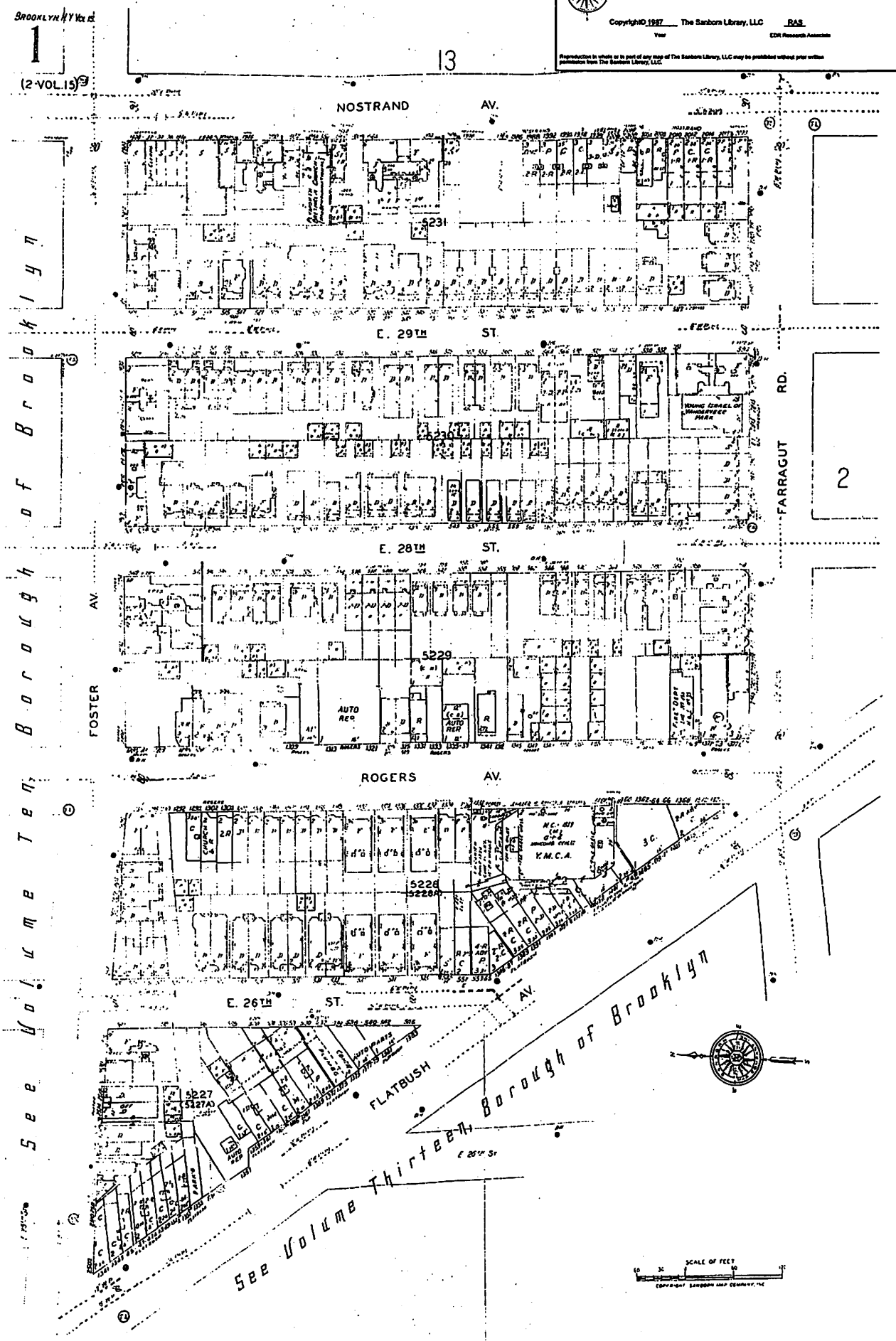
Y.M.C.A.

See Volume Thirteen, Borough of Brooklyn

See Volume Ten, Borough of Brooklyn



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E. 28TH ST.

ROGERS AV.

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FLATBUSH AV.

FARRAGUT RD.

FOSTER AV.

Borough of Brooklyn

5231

5230

5229

5228

5228A

5227

5227A

AUTO REP.

AUTO PARTS

CHURCH

YOUNG ISRAEL OF KNICKERBOCKER PARK

Y.M.C.A.

See Volume Thirteen, Borough of Brooklyn

See Volume Two

2

See Volume Ten, Borough of Brooklyn
See Volume Thirteen, Borough of Brooklyn
FLATBUSH
E. 26TH ST.
E. 28TH ST.
E. 29TH ST.
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FOSTER AV.
NOSTRAND AV.
FARRAGUT RD.
AUTO REP.
YMCA
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BROOKLYN INDEX
(2-VOL.15)
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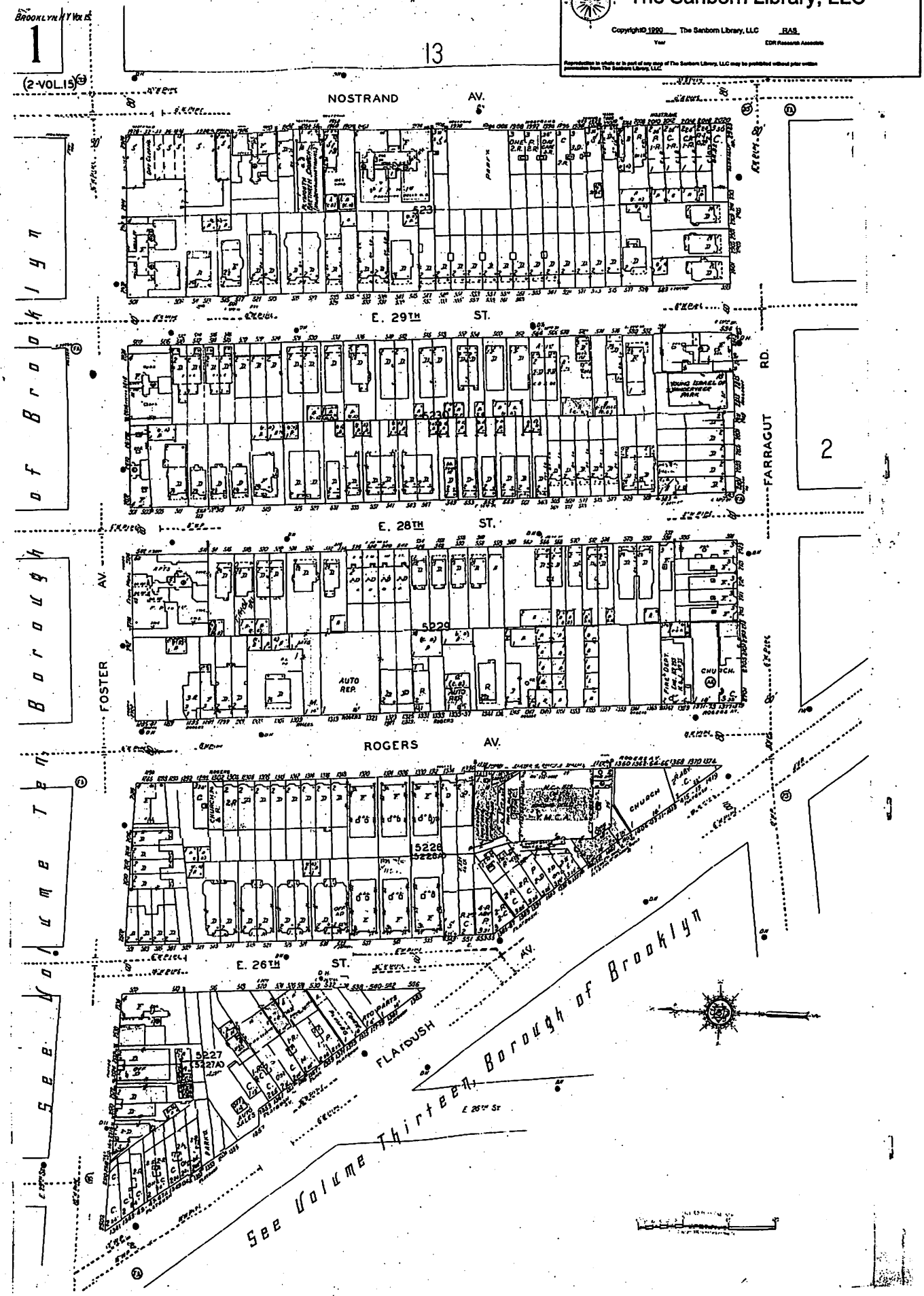
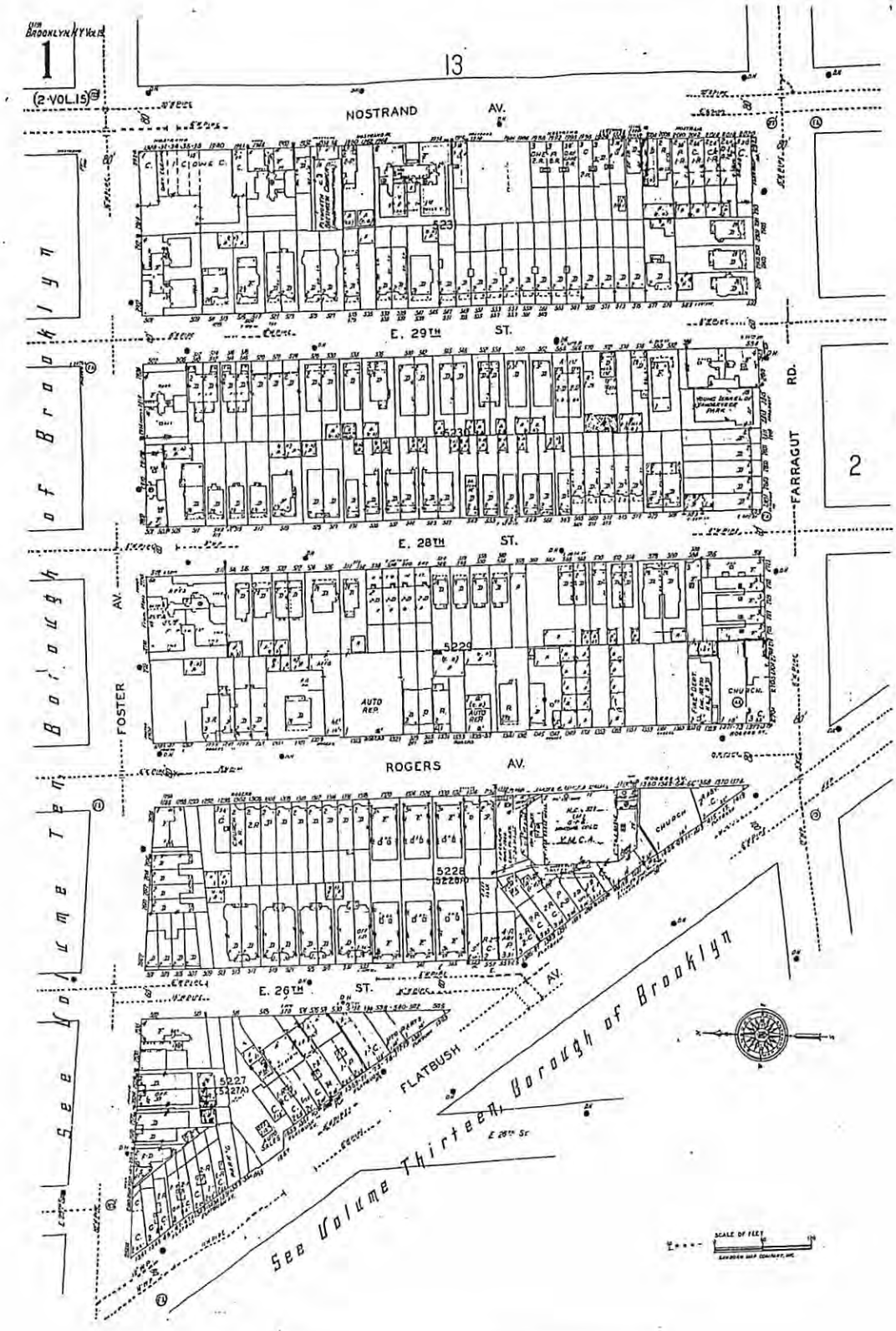
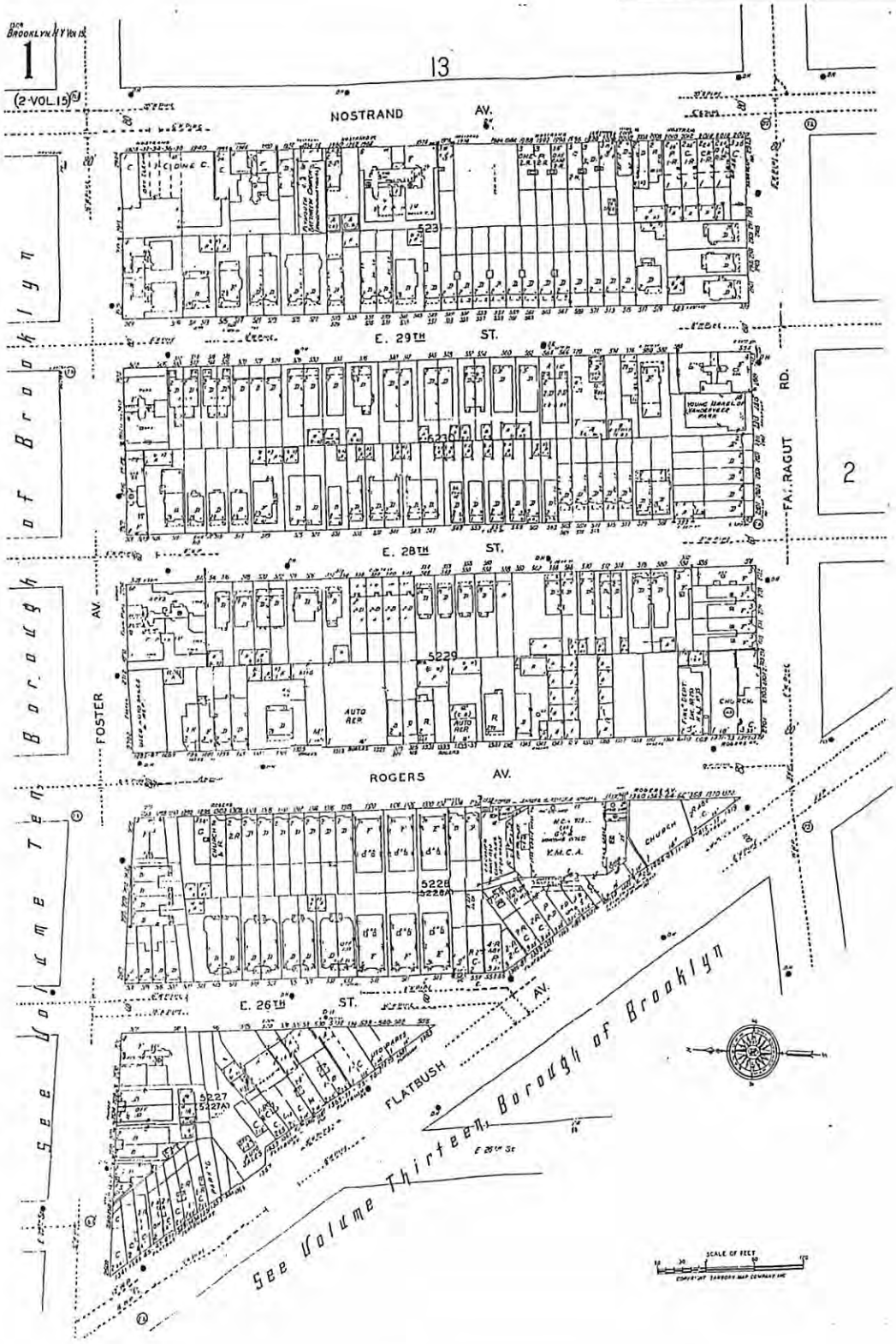
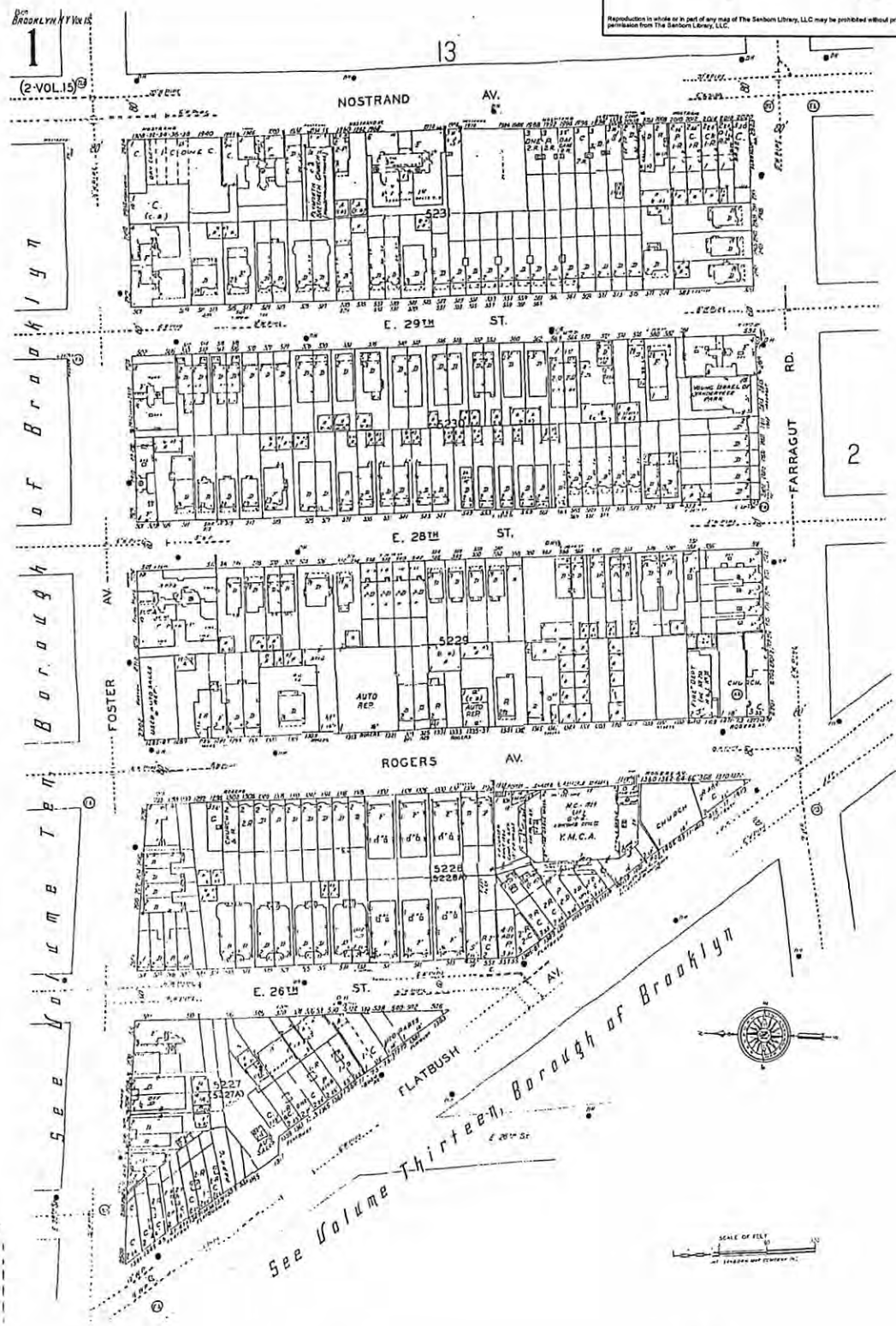
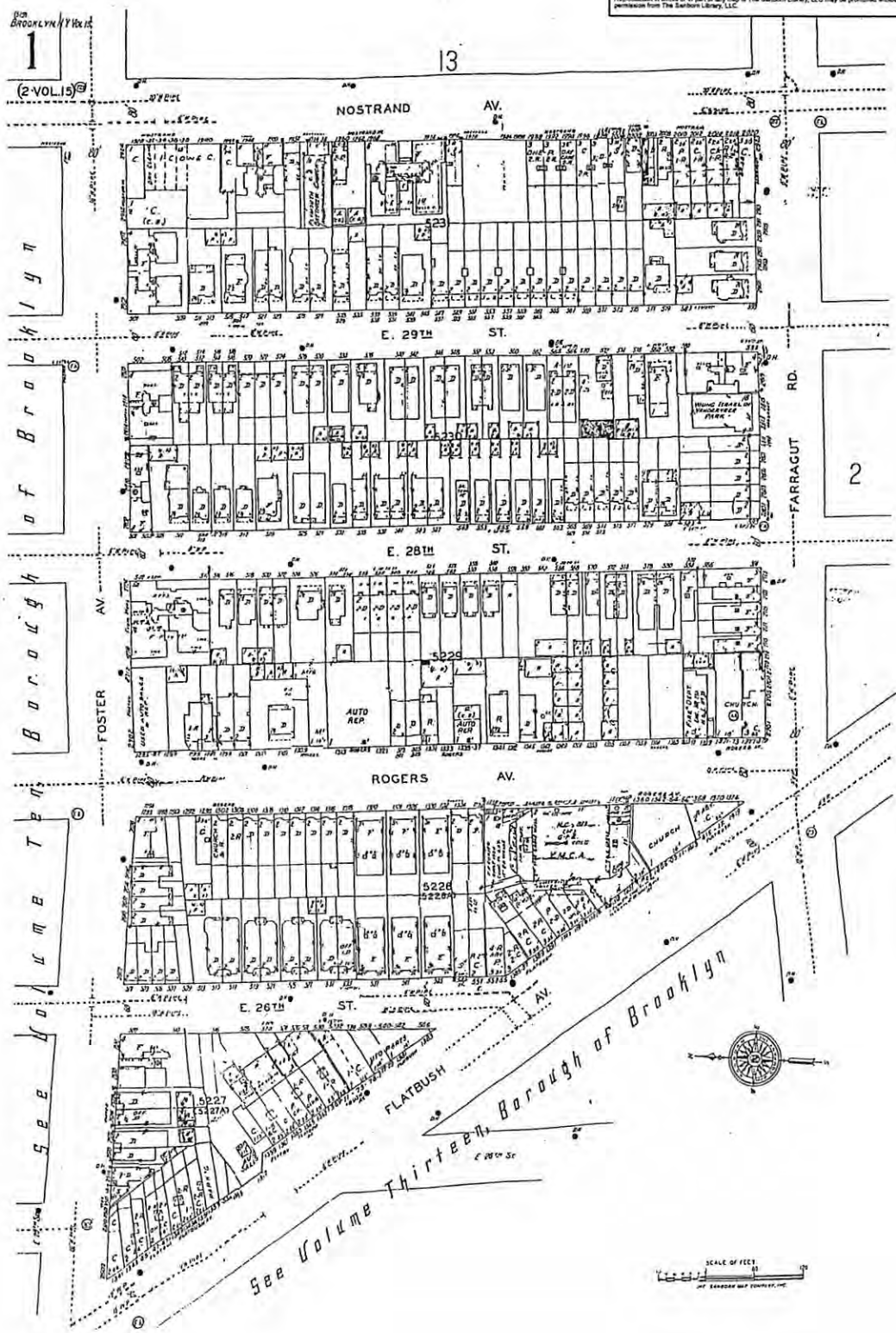
The Sanborn Library, LLC











EDR™ Environmental
Data Resources Inc

The EDR Radius Map™ Report

1353-1355 FLATBUSH AVENUE
1353 FLATBUSH AVENUE
BROOKLYN, NY 11210

Inquiry Number: 01298689.1r

November 01, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-GIL

TABLE OF CONTENTS

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

1353 FLATBUSH AVENUE
BROOKLYN, NY 11210

COORDINATES

Latitude (North):	40.637900 - 40° 38' 16.4"
Longitude (West):	73.953000 - 73° 57' 10.8"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	588537.6
UTM Y (Meters):	4498877.5
Elevation:	27 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40073-F8 BROOKLYN, NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
RCRIS-TSD..... Resource Conservation and Recovery Information System
RCRIS-LQG..... Resource Conservation and Recovery Information System
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SWF/LF..... Facility Register

CBS UST	Chemical Bulk Storage Database
MOSF UST	Major Oil Storage Facilities Database
SWTIRE	Registered Waste Tire Storage & Facility List
SWRCY	Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
INDIAN RESERV	Indian Reservations
FUDS	Formerly Used Defense Sites
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
DOD	Department of Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS	Hazardous Substance Waste Disposal Site Inventory
AST	Petroleum Bulk Storage
CBS AST	Chemical Bulk Storage Database
MOSF AST	Major Oil Storage Facilities Database
NY Spills	Spills Information Database
DEL SHWS	Delisted Registry Sites
AIRS	Air Emissions Data
SPDES	State Pollutant Discharge Elimination System

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
Brownfields	Brownfields Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/15/2004 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
R A LEATHER FINISH CO INC	***812 E 43 ST***	***1/2 - 1 E***	***75***	***100***

RCRIS: Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 8 RCRIS-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MIKLIN FRENCH CLEANERS	***1329 FLATBUSH AVE***	***0 - 1/8 NW***	***3***	***6***
COURTESY CLEANERS	***1250 FLATBUSH AVENUE***	***0 - 1/8 NW***	***4***	***7***
SPARTAN PETROLEUM	275 FOURTH AVE	1/8 - 1/4 NW	A11	13
DELRIO OIL CORP	1267 FLATBUSH AVE	1/8 - 1/4 NW	A14	19
MR FOSTER	***2604 BEDFORD AVE 2D***	***1/8 - 1/4 NNW***	***17***	***22***
ODESSA OIL CORP	1257 FLATBUSH AVE	1/8 - 1/4 NW	D22	27
SETCO INC	***101-01 AVE D***	***1/8 - 1/4 NW***	***F39***	***49***

Lower Elevation	Address	Dist / Dir	Map ID	Page
MIRACLE AUTO BODY	***1333 ROGERS AVE***	***0 - 1/8 ESE***	***5***	***7***

Associated Environmental Services, Ltd.

Main Office
25 Central Avenue
Hauppauge, NY 11788
(631) 234-4280
Fax: 234-4297

Eastern Suffolk
P.O. Box 695
Shoreham, NY 11786
(631) 744-8900
Fax: 744-6025

TANK CLOSURE REPORT

1357 FLATBUSH AVENUE
BROOKLYN, NEW YORK 11210

NYSDEC SPILL NO. 06-00423

Prepared for:

Mr. Yakov Mordechai
3032 Nostrand Avenue
Brooklyn, New York 11229
&
New York State Department of Environmental Conservation
Region 2
47-40 21st Street
Long Island City, New York 11101-5407

Report Date: June 30, 2006

Prepared by:

Associated Environmental Services, Ltd.
25 Central Avenue
Hauppauge, New York 11788

TABLE OF CONTENTS

FIGURES

APPENDICES

1.0 INTRODUCTION

Associated Environmental Services, Ltd. (AES) was retained to conduct the tank closure activities for the subject site located at 1357 Flatbush Avenue, Brooklyn, New York. The tank closure activities were conducted from April through June 2006. The following report summarizes the tank closure activities.

1.1 Site Background

The subject site is an irregular shaped parcel, which is improved with a one (1) story automobile repair building. A Phase I Environmental site Assessment (ESA) report was prepared for the subject site by Singer Environmental Group, LTD. The findings of the Phase I ESA revealed that the site was utilized as a gasoline filling station from the 1930s to the 1950s.

Based upon the findings of the Phase I ESA, it was determined that a Limited Subsurface Investigation would be conducted at the subject site. AES was retained to perform a Limited Subsurface Investigation at the site in August 2005. The scope of work entailed a magnetometer survey and subsurface soil sampling. The results of the magnetometer survey revealed the presence of subsurface anomalies which were consistent with possible underground storage tanks (USTs). A total of four (4) soil borings were installed at the site. Please note that due to accessibility restrictions, the borings were not able to be installed in the immediate area of the suspect USTs. Representative soil samples were collected continuously from ground surface to the soil/water interface which was determined to be approximately twenty-two (22) feet below grade. The soil samples collected from twenty (20) to twenty-two (22) feet below grade were submitted for laboratory analysis. The analytical data for the soil samples revealed that there were no contaminants present at concentrations which exceeded the respective New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs). Based upon the findings of the magnetometer survey it was determined that the USTs would be excavated and removed from the site.

2.0 SITE DESCRIPTION

2.1 Site Location

The subject site is located at 1357 Flatbush Avenue, Brooklyn, New York. The site is located on the east side of Flatbush Avenue. The site can be accessed via one (1) curb cut along Flatbush Avenue. The subject site is an irregular shaped parcel of land which measures approximately 4,000 square feet. The site is identified on the tax maps as Block 5227 and Lot 13.

2.2 Site Improvements

The subject site is improved with a one (1) story automobile repair building, with no basement. The subject building measures approximately 1,000 square feet. The subject building is currently vacant. There was evidence of five (5) vent lines noted along the north side of the subject building. In addition, there was evidence of five (5) former remote fill ports noted along the west (front) side of the subject property. The remainder of the site is improved with driveways and parking areas as well as pedestrian sidewalks.

The site is located in a highly developed residential and retail neighborhood. The subject site was noted to be in poor condition. The relevant site features are depicted on Figure 1.0 – Site Diagram.

2.3 Hydrogeologic Setting

The surface topography at the site was noted to be relatively level throughout. The regional topographic gradient is sloped downward to the Southwest.

The subsurface lithology at the site consisted of a brown coarse grain sand with pebbles. Groundwater is located at approximately twenty-two (22) feet below grade. Fresh groundwater originates in the form of precipitation. This precipitation will infiltrate into the subsurface and act as the recharge mechanism for replenishing water. Groundwater beneath the site is classified as GA, as per the New York State Department of Environmental Conservation (NYSDEC) "Water Quality Regulations - Surface Water and Groundwater Classifications and Standards".

3.0 TANK CLOSURE ACTIVIITES

The tank closure activities were conducted at the subject site from April through June 2006. The following sections summarize the work conducted, the field observations and data collected, laboratory analytical data, as well as any other pertinent site information which may have been obtained during the performance of the closure activities. Photographs were taken to document the field activities and are included with this report as Appendix C.

3.1 Tank Removal

A Track Excavator was utilized at the site for the purpose of removing any underground storage tanks (USTs) which were present at the site, specifically in the vicinity of the subsurface anomalies. It was determined that there was five (5) – 550 gallon gasoline USTs and one (1) – 300 gallon fuel oil UST present at the site. The gasoline USTs were noted to be encased in concrete.

A vacuum truck was utilized to remove a total of approximately 3,705 gallons of gasoline/water from the tanks and the tank vault. The liquid was transported offsite by AB Oil Service LTD. The NYSDEC transporter identification number for AB Oil Service LTD is 1A-002. A copy of the waste manifest for the liquids is included with this report as Appendix A.

The concrete encasement was broken up and removed from the subsurface. As the track excavator removed the subsurface soil in the vicinity of the USTs representative grab samples were continually collected for field inspection. The grab samples were visually inspected for possible evidence of contamination. In addition, the samples were field screened with a photo-ionization detector (PID) for the presence of volatile organic compounds (VOCs). Any soils which exhibited visual evidence of contamination and/or elevated PID field screening readings were deemed to be contaminated. Any contaminated soil was stockpiled on-site for future disposal. Any non-contaminated soil remained on-site for use as backfill. The gasoline and fuel oil USTs were removed and braced on the ground for inspection. There was no evidence of deterioration such as holes or pitting noted in any of the USTs. There was evidence of contamination such as petroleum odors and staining noted in the soil surrounding the gasoline USTs. It appears that the contamination is related to a historical failure of the UST piping system. The New York State Department of Environmental Conservation (NYSDEC) was notified and spill no. 06-00423 was assigned to the site. The impacted soil was excavated and stockpiled on-site for future disposal. At the time of the removal activities it was estimated that approximately eighty-eight (88) cubic yards of contaminated soil had been excavated and stockpiled for disposal. The soil was covered with poly sheeting and secured. The six (6) USTs were loaded onto trailers and transported off-site for disposal at a licensed scrap metal facility.

3.2 Contaminated Soil Removal

A representative sample of the contaminated soil was collected for waste characterization purposes. The sample analysis indicated that the soil could be disposed of as a solid non-hazardous waste.

The contaminated soil was loaded onto trailers and transported off site for disposal. The contaminated soil was disposed of at Clean Earth of Carteret, Inc., 24 Middlesex Avenue, Carteret, New Jersey 07008. Based upon the weight tickets it was determined that a total of 114.85 tons of contaminated soil was removed from the site and properly disposed of at Clean Earth of Carteret, Inc. Copies of the waste manifests and weight tickets are included with this report as Appendix A.

3.3 End-Point Sampling

As per the requirements of the New York State Department of Environmental Conservation (NYSDEC) representative end-point soil samples were collected from the sidewalls and bottom of the excavation pit. There was no field evidence of contamination noted in any of the end-point soil samples which were collected.

In order to characterize the nature of the subsurface in the vicinity of the five (5) gasoline USTs it was determined that eight (8) soil samples would be submitted for laboratory analysis. A total of two (2) soil samples were submitted for analysis from the area of the fuel oil UST. The end-point sampling locations are depicted on Figure 2.0 – End-Point Sample Locations.

The end-point soil samples were submitted for analysis of volatile organic compounds (VOCs) utilizing EPA Method 8021 (STARS) and for semi-volatile organic compounds (SVOCs) utilizing EPA Method 8270 (STARS). The samples were immediately stored on ice and delivered to a New York State Department of Health (NYSDOH) certified laboratory for analysis. The laboratory chosen for this investigation was Long Island Analytical Laboratories Inc., which is located in Holbrook, Long Island, New York. The NYSDOH Environmental Laboratory Approval Program (ELAP) certification number for the laboratory is 11693.

The analytical results for the soil samples were compared to the Recommended Soil Cleanup Objectives (RSCOs) listed in the NYSDEC New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.

The analytical results for the eight (8) end-point soil samples from the area of the five (5) gasoline USTs revealed that there were no VOCs detected at concentrations which exceeded the respective NYSDEC RSCOs. There were concentrations of SVOCs detected above the NYSDEC RSCOs in all of the samples, with the exception of the east sidewall and bottom-east samples.

The analytical results for the two (2) end-point samples collected from the fuel oil UST revealed that there were no VOCs or SVOCs detected at concentrations which exceeded the respective NYSDEC RSCOs.

The analytical results for the soil samples collected are summarized in Table 1 and Table 2. Complete laboratory analytical reports and chain of custody forms are included with this report as Appendix B.

TABLE 1 Soil Analytical Data - End-Point Samples EPA Method 8021 (STARS) - Volatile Organic Compounds (VOCs)						
ANALYTICAL PARAMETERS	**NYSDEC RSCOs**	**West Wall**	**East Wall**	**North-east Wall**	**North-west Wall**	**South-east Wall**
MTBE	120	<5	<5	<5	<5	<5
Benzene	60	<5	<5	<5	<5	<5
n-Butylbenzene	18,000	<5	<5	<5	<5	11
sec-Butylbenzene	25,000	<5	<5	<5	<5	<5
tert-Butylbenzene	10,000	<5	<5	<5	<5	<5
Isopropylbenzene	5,000	<5	<5	<5	5	<5
p-Isopropyltoluene	11,000	<5	<5	<5	<5	<5
n-Propylbenzene	14,000	<5	<5	<5	7	<5
Ethylbenzene	5,500	<5	<5	<5	13	<5
Naphthalene	13,000	<5	<5	<5	10	<5
Toluene	1,500	<5	<5	<5	63	<5
1,2,4-Trimethylbenzene	13,000	<5	<5	<5	108	<5
1,3,5-Trimethylbenzene	3,300	<5	<5	64	57	49
Xylenes	1,200	<15	<15	67	310	34

Notes:
1. All results are in ug/Kg (parts per billion - ppb).
2. The Recommended Soil Cleanup Objectives are listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.
3. Total VOCs not to exceed 10,000 ppb.

TABLE 1 (continued)
Soil Analytical Data - End-Point Samples
EPA Method 8021 (STARS) - Volatile Organic Compounds (VOCs)

ANALYTICAL PARAMETERS	NYSDEC RSCOs	South-west Wall	Bottom East	Bottom West	Bottom Fuel Oil	North Wall Fuel Oil
MTBE	120	<5	<5	<5	<5	<5
Benzene	60	<5	<5	<5	<5	<5
n-Butylbenzene	18,000	<5	<5	<5	<5	<5
sec-Butylbenzene	25,000	<5	<5	<5	<5	<5
tert-Butylbenzene	10,000	<5	<5	<5	<5	<5
Isopropylbenzene	5,000	<5	<5	<5	<5	<5
p-Isopropyltoluene	11,000	<5	<5	<5	<5	<5
n-Propylbenzene	14,000	<5	<5	<5	<5	<5
Ethylbenzene	5,500	<5	<5	<5	<5	<5
Naphthalene	13,000	<5	<5	31	<5	<5
Toluene	1,500	<5	<5	<5	<5	<5
1,2,4-Trimethylbenzene	13,000	<5	<5	40	<5	<5
1,3,5-Trimethylbenzene	3,300	7	<5	26	<5	<5
Xylenes	1,200	<15	<15	30	<15	<15

Notes:
1. All results are in ug/Kg (parts per billion - ppb).
2. The Recommended Soil Cleanup Objectives are listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.
3. Total VOCs not to exceed 10,000 ppb.

TABLE 2
Soil Analytical Data - End-Point Samples
EPA Method 8270 (STARS) - Semi-Volatile Organic Compounds (SVOCs)

ANALYTICAL PARAMETERS	NYSDEC RSCOs	West Wall	East Wall	North-east Wall	North-west Wall	South-east Wall
Naphthalene	13,000	<40	<40	494	53	303
Anthracene	50,000	115	<40	1,122	171	140
Fluorene	50,000	<40	<40	457	50	143
Phenanthrene	50,000	660	<40	7,051	780	580
Pyrene	50,000	1,397	<40	9,245	798	2,549
Acenaphthene	50,000	<40	<40	671	69	79
Benzo(a)anthracene	224 or MDL	563	<40	3,078	374	1,464
Fluoranthene	50,000	1,853	<40	11,523	1,035	2,037
Benzo-b-fluoranthene	1,100	822	<40	4,171	882	420
Benzo-k-Fluoranthene	1,100	315	<40	1,160	239	276
Chrysene	400	597	<40	3,814	721	481
Benzo(a)pyrene	61 or MDL	466	<40	2,474	526	421
Benzo(g,h,i)perylene	50,000	508	<40	2,083	445	365
Indeno(1,2,3-cd)pyrene	3,200	369	<40	1,612	343	191
Dibenzo(a,h)anthracene	14 or MDL	112	<40	449	57	<40

Notes:
1. All results are in ug/Kg (parts per billion - ppb).
2. The Recommended Soil Cleanup Objectives are listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.
3. Total SVOCs not to exceed 500,000 ppb.

TABLE 2 (continued)
Soil Analytical Data - End-Point Samples
EPA Method 8270 (STARS) - Semi-Volatile Organic Compounds (SVOCs)

ANALYTICAL PARAMETERS	NYSDEC RSCOs	South-west Wall	Bottom East	Bottom West	Bottom Fuel Oil	North Wall Fuel Oil
Naphthalene	13,000	338	<40	64	<40	<40
Anthracene	50,000	58	<40	53	<40	<40
Fluorene	50,000	73	<40	<40	<40	<40
Phenanthrene	50,000	292	<40	307	<40	<40
Pyrene	50,000	2,112	<40	530	<40	<40
Acenaphthene	50,000	43	<40	<40	<40	<40
Benzo(a)anthracene	224 or MDL	1,208	<40	226	<40	<40
Fluoranthene	50,000	1,399	<40	641	<40	<40
Benzo-b-fluoranthene	1,100	410	<40	267	<40	<40
Benzo-k-Fluoranthene	1,100	114	<40	102	<40	<40
Chrysene	400	181	<40	252	<40	<40
Benzo(a)pyrene	61 or MDL	219	<40	161	<40	<40
Benzo(g,h,i)perylene	50,000	230	<40	176	<40	<40
Indeno(1,2,3-cd)pyrene	3,200	135	<40	132	<40	<40
Dibenzo(a,h)anthracene	14 or MDL	<40	<40	52	<40	<40

Notes:
1. All results are in ug/Kg (parts per billion - ppb).
2. The Recommended Soil Cleanup Objectives are listed in the New York State Department of Environmental Conservation (NYSDEC) Division Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046: Determination of Soil Cleanup Objectives and Cleanup Levels.
3. Total SVOCs not to exceed 500,000 ppb.

4.0 CONCLUSIONS & RECOMMENDATIONS

4.1 Tank Closure Activities

The tank closure activities were conducted at the subject site from April through June 2006. The scope of work entailed the removal of five (5) – 550 gallon gasoline underground storage tanks (USTs) and one (1) – 300 gallon fuel oil UST present at the site. The gasoline USTs were noted to be encased in concrete.

A vacuum truck was utilized to remove a total of approximately 3,705 gallons of gasoline/water from the tanks and the tank vault. The liquid was transported offsite by AB Oil Service, LTD. A Track Excavator was utilized to remove the USTs. The gasoline and fuel oil USTs were removed and braced on the ground for inspection. There was no evidence of deterioration such as holes or pitting noted in any of the USTs. There was evidence of contamination such as petroleum odors and staining noted in the soil surrounding the gasoline USTs. It appears that the contamination is related to a historical failure of the UST piping system. The New York State Department of Environmental Conservation (NYSDEC) was notified and spill no. 06-00423 was assigned to the site. The impacted soil was excavated and stockpiled on-site for future disposal. The six (6) USTs were loaded onto trailers and transported off-site for disposal at a licensed scrap metal facility. A total of 114.85 tons of contaminated soil was loaded onto trailers and transported off site for disposal. The contaminated soil was disposed of at Clean Earth of Carteret, Inc.

In order to characterize the nature of the subsurface in the vicinity of the five (5) gasoline USTs it was determined that eight (8) soil samples would be submitted for laboratory analysis. A total of two (2) soil samples were submitted for analysis from the area of the fuel oil UST. The analytical results for the eight (8) end-point soil samples from the area of the five (5) gasoline USTs revealed that there were no volatile organic compounds (VOCs) detected at concentrations which exceeded the respective NYSDEC Recommended Soil Cleanup Objectives (RSCOs). There were concentrations of semi-volatile organic compounds (SVOCs) detected above the NYSDEC RSCOs in all of the samples, with the exception of the east sidewall and bottom-east samples. The analytical results for the two (2) end-point samples collected from the fuel oil UST revealed that there were no VOCs or SVOCs detected at concentrations which exceeded the respective NYSDEC RSCOs.

It should be noted that the contaminated soil was excavated to the greatest extent possible. Any limitations of the excavation area were due to the size of the subject property and access problems with the adjacent property.

A copy of the Tank Closure Report is being forwarded for review to Mr. Hiralkumar Patel, Environmental Engineer for the NYSDEC. The NYSDEC will make all final determinations regarding any further investigative and/or remedial actions that may be warranted.

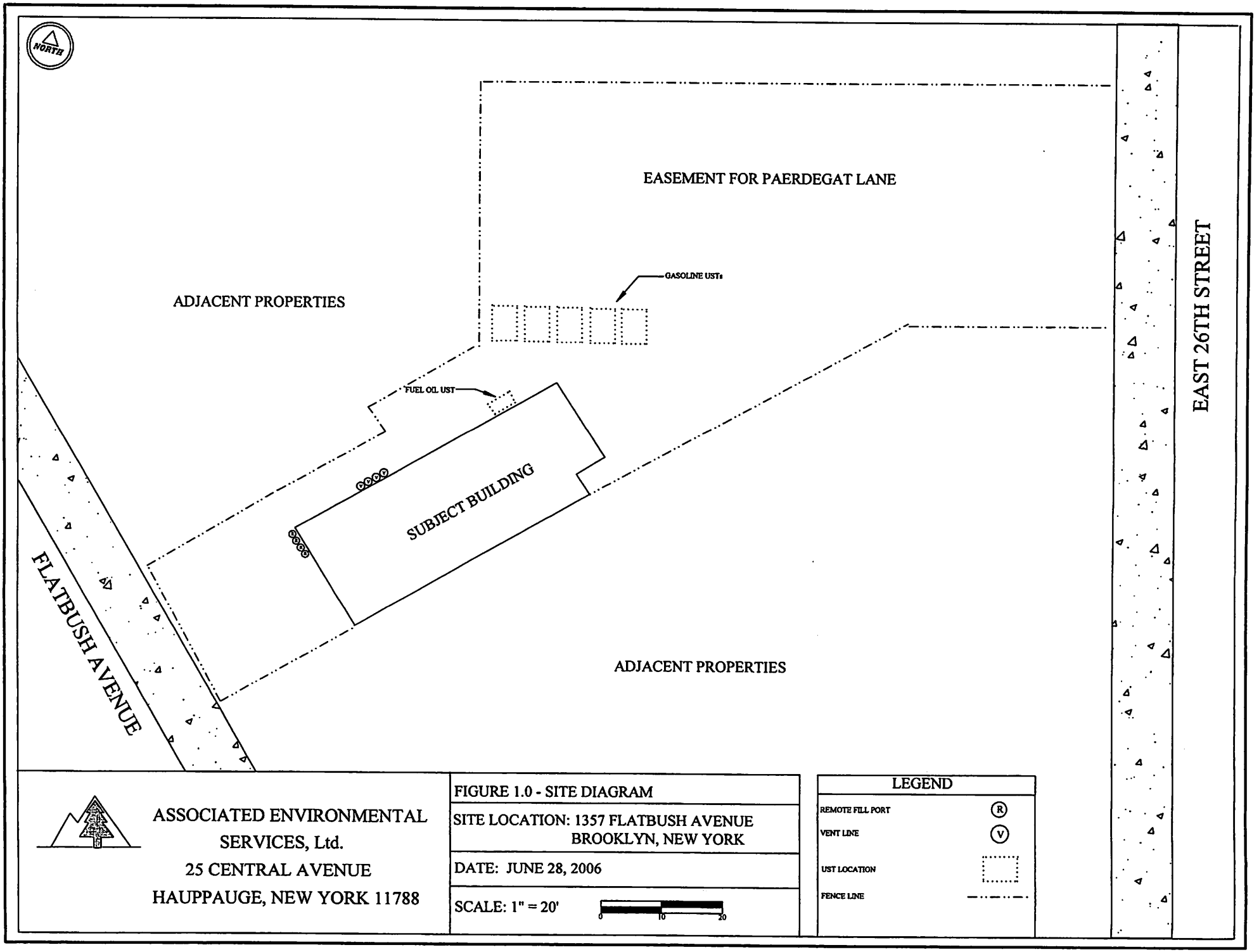
Should you have any questions please do not hesitate to call. Thank you for your time in this matter.

Prepared By:

Matthew Boeckel
Project Manager / Hydrogeologist
Associated Environmental Services, Ltd.

John Schrotzmayer
President
Associated Environmental Services, Ltd.

Figures



ASSOCIATED ENVIRONMENTAL SERVICES, Ltd.
25 CENTRAL AVENUE
HAUPPAUGE, NEW YORK 11788

FIGURE 1.0 - SITE DIAGRAM

SITE LOCATION: 1357 FLATBUSH AVENUE
BROOKLYN, NEW YORK

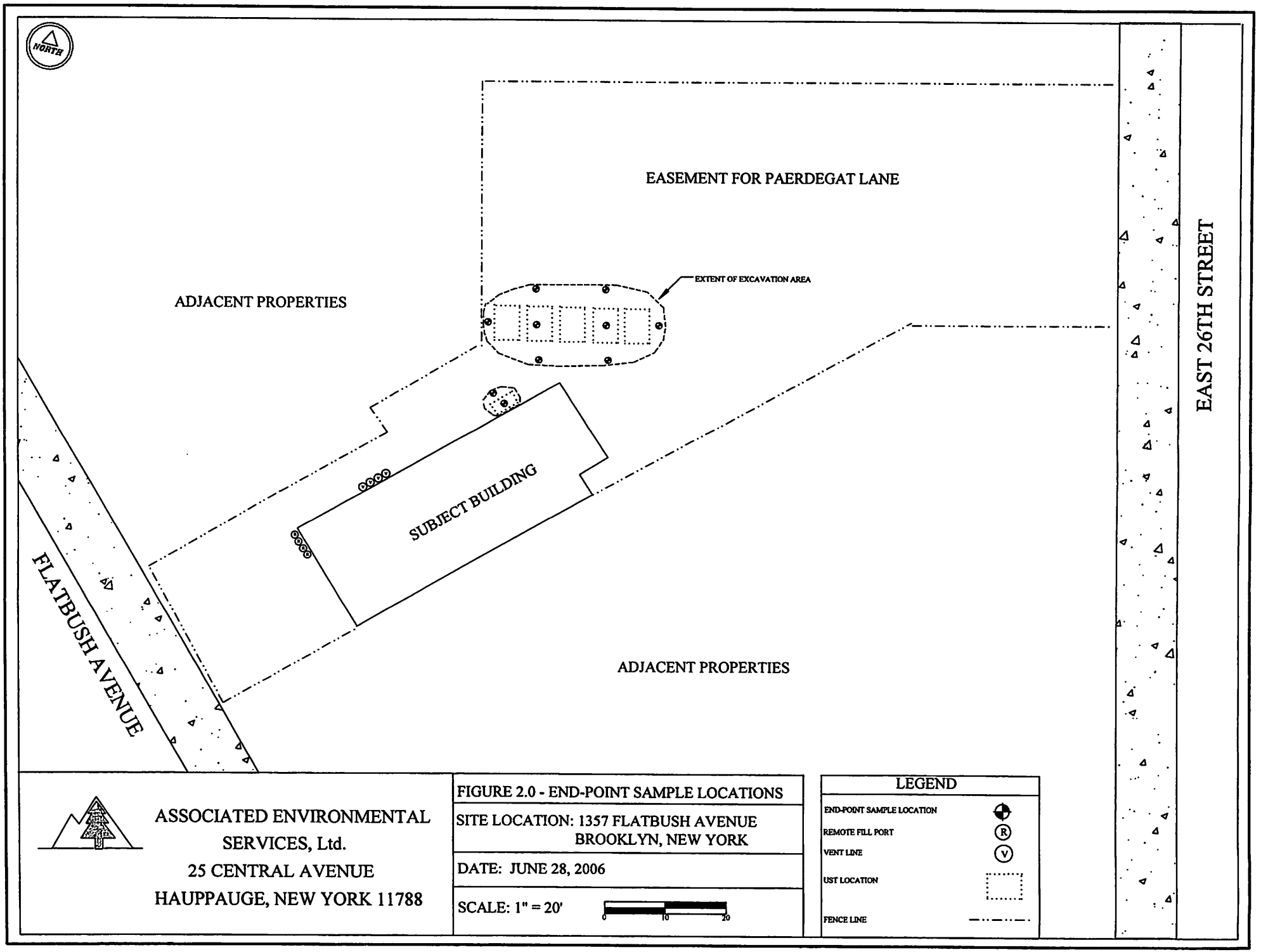
DATE: JUNE 28, 2006

SCALE: 1" = 20'

0 10 20

LEGEND

REMOTE FILL PORT	(R)
VENT LINE	(V)
UST LOCATION	
FENCE LINE	


NORTH
EASEMENT FOR PAERDEGAT LANE
EXTENT OF EXCAVATION AREA
ADJACENT PROPERTIES
SUBJECT BUILDING
FLATBUSH AVENUE
ADJACENT PROPERTIES
EAST 26TH STREET
ASSOCIATED ENVIRONMENTAL SERVICES, Ltd.
25 CENTRAL AVENUE
HAUPPAUGE, NEW YORK 11788
FIGURE 2.0 - END-POINT SAMPLE LOCATIONS
SITE LOCATION: 1357 FLATBUSH AVENUE
BROOKLYN, NEW YORK
DATE: JUNE 28, 2006
SCALE: 1" = 20'
0
10
20
LEGEND
END-POINT SAMPLE LOCATION
REMOTE FILL PORT
VENT LINE
UST LOCATION
FENCE LINE

Waste Disposal Manifests & Weight Tickets

Non-Hazardous Manifest

Manifest Doc No.20905

Generator

Generator ID: 15394
REPAIR SHOP
1357 FLATBUSH AVENUE
BROOKLYN, NY
6317670484

Transporter

A B OIL SERVICE LTD.
6315676545
NYD987023371
1A-002

Facility

A B OIL SERVICE LTD
1599 Ocean Avenue
Bohemia, NY 11716
6315676545
NYD987023371

Shipping Name and Description	NumCont	ContType	Quantity	Units	Profile ID
WATER CONTAMINATED W/ GASOLINE OR OIL	1	TT	3705	G	N018

Additional Descriptions for Materials Listed Above

Handling Codes Listed Above

S14

Special Handling Instructions and Additional Information

24 Hour Emergency # (631) 567 - 6545
ERG# 128

Generator's Certification: I certify the materials described above are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed / Typed Name X Matt Boeckel Signature X [signature] Date 4-11-6

Transporter 1 Acknowledgement of Receipt of Materials

Printed / Typed Name Dave Schoonbeam Signature [signature] Date 4-11-6

Transporter 2 Acknowledgement of Receipt of Materials

Printed / Typed Name _____ Signature _____ Date _____

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted above.

Printed / Typed Name Jennifer Chavan Signature Jennifer Chavan Date 4/12/06

White = Original Yellow = Transporter Pink = TSDF Gold = Generator Copy

CBC

Delivery Report - DR & Approval# 5/30/06 T

From: 5/22/06
To: 5/26/06
Approval# 260668
Generator MR YOKOV MORDECHAI
Origin 1357 FLATBUSH AVENUE
BROOKLYN, NY 11210

#Loads 4
TOTAL 114.85

Date	Ticket#	Approval #	Truck#	Loc.	Manifest#s.	Net Tons
5/25/06	6789	260668	JFV 27	A4		29.93
5/25/06	6798	260668	MCB 1	A4	10417	32.48
5/25/06	6850	260668	MCB 1	A4	10415	24.80
5/25/06	6851	260668	JFV 27	A4		27.64

ALLIED ENVIRONMENTAL GROUP, INC.

[illegible] MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

Log Number

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name: YAKOV MORDECHAI
Address: 1357 FLATBUSH AVENUE
BROOKLYN, NY
Phone No.:

Shipping Location: SAME
Address:
Phone No.:

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
260664	NON HAZARDOUS PETROL CONTAMINATED SOIL DESTINED FOR RECYCLING					

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Matt Boeckel
Signature:
Shipment Date: 5-25-06

TRANSPORTER

Transporter Name: T&D.
Address: 190 POMPTON Plains Rd
Wayne NJ 07470
State Permit #: NJ561

Driver Name (Print): Jorge F. Villarroel
Vehicle License No./State: 290.5483
Truck Number: TFV #27

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature:
Shipment Date: 5.25.06

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature:
Delivery Date: 5.25.06

DESTINATION

Site Name: CLEAN EARTH OF CARTERET
Address: 24 MIDDLESEX AVENUE
CARTERET, NJ
Phone No.: 1201-96
State Permit #: 0001-2

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: Matt Boeckel
Signature:
Receipt Date: 5-25-06

5/25/06

CLEAN EARTH OF CARTERET, INC
24 Middlesex Avenue

CLEAN EARTH OF CARTERET, INC
24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909
INCOMING LOAD TICKET

Date 5/25/06
Time 4:10 PM
Ticket# 6798

Approval # 260668

Type of Material	Gross	Tare	Net Tons	#Drums
GASOLINE	90,560	25,600	32.48	

WM ID# 3 TOM DURANTE
Bill of Lading#
Manifest# 10417
St. Manifest#

Signature _____

Trans. ID# 143
Transporter TOP SOIL DEPOT INC.
Trans. Addr. 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470

DE-SW Permit#

Driver MARCO Truck # MCB 1

Customer ALLIED ENVIRONMENTAL GROUP, INC
Generator MR YOKOV MORDECHAI
Generator Site 1357 FLATBUSH AVENUE
BROOKLYN, NY 11210

Contact 1 STU BERRY 800-969-DIRT
Contact 2 ALLAN PARKER

NOTES 1:
NOTES 2:

THANK YOU

The TOP SOIL DEPOT
BULK MATERIAL HANDLERS
973-835-9434
Retail/Wholesale

190 POMPTON PLAINS CROSS ROAD, WAYNE, NEW JERSEY 07470
Fax: 973-835-3928 • www.topsoildepot.com
** A New Jersey Corporation **

Log Number 10417

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Shipping Location _____

Address _____ Address _____

Phone No. _____ Phone No. _____

Approval Number	Description of Material	Codes	Gross Weight / Tare Weight / Net Weight	Net Weight (Tons)
26666				

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date _____

TRANSPORTER

Transporter Name T.S.D. Driver Name (Print) _____

Address 190 Pompton Plains Cross Road Vehicle License No./State _____

Wayne, N.J. 07470 Truck Number _____

State Permit # NJ561

I hereby certify that the above named material was picked up at the generator site listed above.

5

Driver Signature _____ Shipment Date _____

I hereby certify that the above named material was delivered without incident to the destination listed below.

5

Driver Signature _____ Delivery Date _____

DESTINATION

Site Name _____ Phone No. _____

Address _____ State Permit # _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

OFFICE

CLEAN EARTH OF CARTERET, INC

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date 5/25/06
Time 7:30 AM
Ticket# 6850

Approval # 260668

Type of Material	Gross	Tare	Net Tons	#Drums
GASOLINE	75,200	25,600	24.80	

WM ID# 3 TOM DURANTE

Signature_____

Bill of Lading#
Manifest# 10415
St. Manifest#

Trans. ID# 143
Transporter TOP SOIL DEPOT INC.
Trans. Addr. 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470

DE-SW Permit#

Driver MARCO Truck # MCB 1

Customer ALLIED ENVIRONMENTAL GROUP, INC
Generator MR YOKOV MORDECHAI
Generator Site 1357 FLATBUSH AVENUE
BROOKLYN, NY 11210

Contact 1 STU BERRY 800-969-DIRT
Contact 2 ALLAN PARKER

NOTES 1:

NOTES 2:

THANK YOU

The TOP SOIL DEPOT
BULK MATERIAL HANDLERS
973-835-9434
Retail/Wholesale

190 POMPTON PLAINS CROSS ROAD, WAYNE, NEW JERSEY 07470
Fax: 973-835-3928 • www.topsoildepot.com
** A New Jersey Corporation **

Log Number 19415

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name _____ Shipping Location _____

Address _____ Address _____

NJ

Phone No. _____ Phone No. _____

Approval Number	Description of Material	Codes	Gross Weight / Tare Weight / Net Weight	Net Weight (Tons)
2661061				

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

MATT BECKER — 5.25.06

Generator Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name T.S.D. Driver Name (Print) _____

Address 190 Pompton Plains Cross Road Vehicle License No./State _____

Wayne, N.J. 07470 Truck Number _____

State Permit # NJ561

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Shipment Date

Driver Signature — Delivery Date

DESTINATION

Site Name _____ Phone No. _____

Address _____ State Permit # _____

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date

OFFICE

CLEAN EARTH OF CARTERET, INC

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date 5/25/06
Time 7:30 AM
Ticket# 6851

Approval # 260668

Type of Material	Gross	Tare	Net Tons	#Drums
GASOLINE	84,840	29,560	27.64	

WM ID# 3 TOM DURANTE

Signature

Bill of Lading#
Manifest#
St. Manifest#

Trans. ID# 143
Transporter TOP SOIL DEPOT INC.
Trans. Addr. 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470

DE-SW Permit#

Driver JORGE Truck # JFV 27

Customer ALLIED ENVIRONMENTAL GROUP, INC
Generator MR YOKOV MORDECHAI
Generator Site 1357 FLATBUSH AVENUE
BROOKLYN, NY 11210

Contact 1 STU BERRY 800-969-DIRT
Contact 2 ALLAN PARKER

NOTES 1:

NOTES 2:

THANK YOU

ALLIED ENVIRONMENTAL GROUP, INC.

2163 MERRICK AVE., MERRICK, NY 11566 • TEL: 1-800-969-DIRT • FAX: 516-867-6480

NON-HAZARDOUS MATERIAL MANIFEST

Log Number

GENERATOR

Generator Name YAKOV MORDECHAI Shipping Location SAME

Address 1357 Flatbush Ave Address

BROOKLYN, NY

Phone No. Phone No.

Approval Number	Description of Material	Codes	Gross Weight	Tare Weight	Net Weight	Net Weight (Tons)
Z60660	NON HAZARDOUS PETROL CONTAMINATED SOIL DESTINED FOR RECYCLING					

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to applicable regulations.

MATT Kowal — 5.25.06

Generator/Authorized Agent Name — Signature — Shipment Date

TRANSPORTER

Transporter Name TSD

Address 190 Pompton Plains Rd

Wayne NJ 07470

Driver Name (Print) JORGE F. Villarroel

Vehicle License No./State 3905483

Truck Number TFV #27

State Permit #

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 5.25.06 Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — 5.25.06 Delivery Date

DESTINATION

Site Name Clean Earth of Carteret Phone No.

Address State Permit #

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — 5/25/06 Receipt Date

ALLIED

CLEAN EARTH OF CARTERET, INC

24 Middlesex Avenue
Carteret, NJ 07008
(732)-541-8909

INCOMING LOAD TICKET

Date 5/25/06
Time 4:06 PM
Ticket# 6789

Approval # 260668

Type of Material	Gross	Tare	Net Tons	#Drums
GASOLINE	89,420	29,560	29.93	

WM ID# 3 TOM DURANTE

Signature

Bill of Lading#
Manifest#
St. Manifest#

Trans. ID#. 143
Transporter TOP SOIL DEPOT INC.
Trans. Addr. 190 POMPTON PLAINS CROSSROADS
WAYNE, NJ 07470

DE-SW Permit#

Driver JORGE

Truck # JFV 27

Customer ALLIED ENVIRONMENTAL GROUP, INC
Generator MR YOKOV MORDECHAI
Generator Site 1357 FLATBUSH AVENUE
BROOKLYN, NY 11210

Contact 1 STU BERRY
Contact 2 ALLAN PARKER

800-969-DIRT

NOTES 1:

NOTES 2:

THANK YOU

Laboratory Report and Chain of Custody

Client: Associated Environmental	Client ID: Flatbush Avenue (West Wall)
Date received: 4/21/06	Laboratory ID: 1107356
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	<5
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

Client: Associated Environmental	Client ID: Flatbush Avenue (West Wall)
Date received: 4/21/06	Laboratory ID: 1107356
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	<40
Anthracene	120-12-7	40 ug/kg	115
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	660
Pyrene	129-00-0	40 ug/kg	1,397
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	563
Fluoranthene	206-44-0	40 ug/kg	1,853
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	822
Benzo(k)fluoranthene	207-08-9	40 ug/kg	315
Chrysene	218-01-9	40 ug/kg	597
Benzo(a)Pyrene	50-32-8	40 ug/kg	466
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	508
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	369
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	112

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

Client: Associated Environmental	Client ID: Flatbush Avenue (East Wall)
Date received: 4/21/06	Laboratory ID: 1107357
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	<5
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Associated Environmental	Client ID: Flatbush Avenue (East Wall)
Date received: 4/21/06	Laboratory ID: 1107357
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	<40
Anthracene	120-12-7	40 ug/kg	<40
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	<40
Pyrene	129-00-0	40 ug/kg	<40
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	<40
Fluoranthene	206-44-0	40 ug/kg	<40
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	<40
Benzo(k)fluoranthene	207-08-9	40 ug/kg	<40
Chrysene	218-01-9	40 ug/kg	<40
Benzo(a)Pyrene	50-32-8	40 ug/kg	<40
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	<40
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	<40
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

110 Colin Drive • Holbrook, New York 11741

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Associated Environmental	Client ID: Flatbush Avenue (North-East Wall)
Date received: 4/21/06	Laboratory ID: 1107358
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	64
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	67

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Associated Environmental	Client ID: Flatbush Avenue (North-East Wall)
Date received: 4/21/06	Laboratory ID: 1107358
Date extracted: 4/25/06	Matrix: Soil
Date analyzed: 4/25/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	494
Anthracene	120-12-7	40 ug/kg	1,122
Fluorene	86-73-7	40 ug/kg	457
Phenanthrene	85-01-8	40 ug/kg	7,051
Pyrene	129-00-0	40 ug/kg	9,245
Acenaphthene	83-32-9	40 ug/kg	671
Benzo(a)Anthracene	56-55-3	40 ug/kg	3,078
Fluoranthene	206-44-0	40 ug/kg	11,523
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	4,171
Benzo(k)fluoranthene	207-08-9	40 ug/kg	1,160
Chrysene	218-01-9	40 ug/kg	3,814
Benzo(a)Pyrene	50-32-8	40 ug/kg	2,474
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	2,083
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	1,612
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	449

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Associated Environmental	Client ID: Flatbush Avenue (North-West Wall)
Date received: 4/21/06	Laboratory ID: 1107359
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	7
Ethylbenzene	100-41-4	5 ug/kg	13
Naphthalene	91-20-3	5 ug/kg	10
Toluene	108-88-3	5 ug/kg	63
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	108
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	57
p & m-Xylene	1330-20-7	10 ug/kg	183
o-Xylene	1330-20-7	5 ug/kg	127

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

LONG ISLAND ANALYTICAL LABORATORIES INC.
"TOMORROWS ANALYTICAL SOLUTIONS TODAY"
110 Colin Drive • Holbrook, New York 11741
Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Associated Environmental	Client ID: Flatbush Avenue (North-West Wall)
Date received: 4/21/06	Laboratory ID: 1107359
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	53
Anthracene	120-12-7	40 ug/kg	171
Fluorene	86-73-7	40 ug/kg	50
Phenanthrene	85-01-8	40 ug/kg	780
Pyrene	129-00-0	40 ug/kg	798
Acenaphthene	83-32-9	40 ug/kg	69
Benzo(a)Anthracene	56-55-3	40 ug/kg	374
Fluoranthene	206-44-0	40 ug/kg	1,035
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	882
Benzo(k)fluoranthene	207-08-9	40 ug/kg	239
Chrysene	218-01-9	40 ug/kg	721
Benzo(a)Pyrene	50-32-8	40 ug/kg	526
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	445
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	343
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	57

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush Avenue (South-East Wall)
Date received: 4/21/06	Laboratory ID: 1107360
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	11
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	49
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	34

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush Avenue (South-East Wall)
Date received: 4/21/06	Laboratory ID: 1107360
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	303
Anthracene	120-12-7	40 ug/kg	140
Fluorene	86-73-7	40 ug/kg	143
Phenanthrene	85-01-8	40 ug/kg	580
Pyrene	129-00-0	40 ug/kg	2,549
Acenaphthene	83-32-9	40 ug/kg	79
Benzo(a)Anthracene	56-55-3	40 ug/kg	1,464
Fluoranthene	206-44-0	40 ug/kg	2,037
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	420
Benzo(k)fluoranthene	207-08-9	40 ug/kg	276
Chrysene	218-01-9	40 ug/kg	481
Benzo(a)Pyrene	50-32-8	40 ug/kg	421
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	365
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	191
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

Client: Associated Environmental	Client ID: Flatbush Avenue (South-West Wall)
Date received: 4/21/06	Laboratory ID: 1107361
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	7
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush Avenue (South-West Wall)
Date received: 4/21/06	Laboratory ID: 1107361
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	338
Anthracene	120-12-7	40 ug/kg	58
Fluorene	86-73-7	40 ug/kg	73
Phenanthrene	85-01-8	40 ug/kg	292
Pyrene	129-00-0	40 ug/kg	2,112
Acenaphthene	83-32-9	40 ug/kg	43
Benzo(a)Anthracene	56-55-3	40 ug/kg	1,208
Fluoranthene	206-44-0	40 ug/kg	1,399
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	410
Benzo(k)fluoranthene	207-08-9	40 ug/kg	114
Chrysene	218-01-9	40 ug/kg	181
Benzo(a)Pyrene	50-32-8	40 ug/kg	219
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	230
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	135
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush Avenue (Bottom East)
Date received: 4/21/06	Laboratory ID: 1107362
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	<5
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi-Laboratory Director

Client: Associated Environmental	Client ID: Flatbush Avenue (Bottom East)
Date received: 4/21/06	Laboratory ID: 1107362
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	<40
Anthracene	120-12-7	40 ug/kg	<40
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	<40
Pyrene	129-00-0	40 ug/kg	<40
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	<40
Fluoranthene	206-44-0	40 ug/kg	<40
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	<40
Benzo(k)fluoranthene	207-08-9	40 ug/kg	<40
Chrysene	218-01-9	40 ug/kg	<40
Benzo(a)Pyrene	50-32-8	40 ug/kg	<40
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	<40
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	<40
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush Avenue (Bottom West)
Date received: 4/21/06	Laboratory ID: 1107363
Date extracted: 4/21/06	Matrix: Soil
Date analyzed: 4/21/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	31
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	40
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	26
p & m-Xylene	1330-20-7	10 ug/kg	11
o-Xylene	1330-20-7	5 ug/kg	19

MDL = Minimum Detection Limit. Calculated on a wet weight basis

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Client: Associated Environmental	Client ID: Flatbush Avenue (Bottom West)
Date received: 4/21/06	Laboratory ID: 1107363
Date extracted: 4/24/06	Matrix: Soil
Date analyzed: 4/24/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	64
Anthracene	120-12-7	40 ug/kg	53
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	307
Pyrene	129-00-0	40 ug/kg	530
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	226
Fluoranthene	206-44-0	40 ug/kg	641
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	267
Benzo(k)fluoranthene	207-08-9	40 ug/kg	102
Chrysene	218-01-9	40 ug/kg	252
Benzo(a)Pyrene	50-32-8	40 ug/kg	161
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	176
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	132
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	52

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: Associated Environmental Svcs - 25 Central Avenue Hauppauge, N.Y. 11788
CONTACT: Matt Boeckel
PHONE: 631-234-4280
FAX: 631-234-4297
SAMPLER (SIGNATURE): [signature] DATE: 4/18/06 TIME:
SAMPLER NAME (PRINT): Matt Boeckel DATE: 4/18/06 TIME:
SAMPLE(S) SEALED: (YES) / NO
CORRECT CONTAINER(S): YES (NO)
0024329
PROJECT LOCATION: Flatbush Ave
SAMPLES RECEIVED AT: 7 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month.

LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	PRES.	PH UNITS	RES. CHLORINE PPM	SAMPLE # - LOCATION	ANALYSIS REQUIRED: 5 TARS BOA	5 TARS 6A-70	# OF CONTAINERS
1. 107356	S	G	4°	-	-	West Wall	X	X	1
2. 107357	S	G	4°	-	-	East Wall	X	X	1
3. 107358	S	G	4°	-	-	North-East Wall	X	X	1
4. 107359	S	G	4°	-	-	North-West Wall	X	X	1
5. 107360	S	G	4°	-	-	South-East Wall	X	X	1
6. 107361	S	G	4°	-	-	South-West Wall	X	X	1
7. 107362	S	G	4°	-	-	Bottom-East	X	X	1
8. 107363	S	G	4°	-	-	Bottom-West	X	X	1
9.									
10.									
11.									
12.						Flag G			
13.									
14.									

MATRIX: S=SOIL; SL=SLUDGE; L=LIQUID; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: ICE, HCL, H_2SO_4, NAOH, $NA_2S_3O_3$

TURNAROUND REQUIRED: ☐ NORMAL ☐ STAT
BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE / TIME	PRINTED NAME
[signature]	4/20/06 7:00am	Matt Boeckel			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE 4/21/06 TIME 1:35	PRINTED NAME
			[signature]		

Client: Associated Environmental	Client ID: Flatbush (Bottom {Fuel Oil})
Date received: 6/9/06	Laboratory ID: 1110924
Date extracted: 6/12/06	Matrix: Soil
Date analyzed: 6/12/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	<5
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush (Bottom {Fuel Oil})
Date received: 6/9/06	Laboratory ID: 1110924
Date extracted: 6/13/06	Matrix: Soil
Date analyzed: 6/13/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	<40
Anthracene	120-12-7	40 ug/kg	<40
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	<40
Pyrene	129-00-0	40 ug/kg	<40
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	<40
Fluoranthene	206-44-0	40 ug/kg	<40
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	<40
Benzo(k)fluoranthene	207-08-9	40 ug/kg	<40
Chrysene	218-01-9	40 ug/kg	<40
Benzo(a)Pyrene	50-32-8	40 ug/kg	<40
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	<40
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	<40
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush (North Wall {Fuel Oil})
Date received: 6/9/06	Laboratory ID: 1110925
Date extracted: 6/12/06	Matrix: Soil
Date analyzed: 6/12/06	ELAP #: 11693

EPA METHOD 8021 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
MTBE	1634-04-4	5 ug/kg	<5
Benzene	71-43-2	5 ug/kg	<5
n-Butylbenzene	104-51-8	5 ug/kg	<5
sec-Butylbenzene	135-98-7	5 ug/kg	<5
tert-Butylbenzene	98-06-8	5 ug/kg	<5
Isopropylbezene	98-82-8	5 ug/kg	<5
p-Isopropyltoluene	99-87-6	5 ug/kg	<5
n-Propylbenzene	103-65-1	5 ug/kg	<5
Ethylbenzene	100-41-4	5 ug/kg	<5
Naphthalene	91-20-3	5 ug/kg	<5
Toluene	108-88-3	5 ug/kg	<5
1,2,4-Trimethylbenzene	95-63-6	5 ug/kg	<5
1,3,5-Trimethylbenzene	108-67-8	5 ug/kg	<5
p & m-Xylene	1330-20-7	10 ug/kg	<10
o-Xylene	1330-20-7	5 ug/kg	<5

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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Client: Associated Environmental	Client ID: Flatbush (North Wall {Fuel Oil})
Date received: 6/9/06	Laboratory ID: 1110925
Date extracted: 6/13/06	Matrix: Soil
Date analyzed: 6/13/06	ELAP #: 11693

EPA METHOD 8270 (STARS)

Parameter	CAS No.	MDL	Results ug/kg
Naphthalene	91-20-3	40 ug/kg	<40
Anthracene	120-12-7	40 ug/kg	<40
Fluorene	86-73-7	40 ug/kg	<40
Phenanthrene	85-01-8	40 ug/kg	<40
Pyrene	129-00-0	40 ug/kg	<40
Acenaphthene	83-32-9	40 ug/kg	<40
Benzo(a)Anthracene	56-55-3	40 ug/kg	<40
Fluoranthene	206-44-0	40 ug/kg	<40
Benzo(b)Fluoranthene	205-99-2	40 ug/kg	<40
Benzo(k)fluoranthene	207-08-9	40 ug/kg	<40
Chrysene	218-01-9	40 ug/kg	<40
Benzo(a)Pyrene	50-32-8	40 ug/kg	<40
Benzo(g,h,i)Perylene	191-24-2	40 ug/kg	<40
Indeno(1,2,3-cd)Pyrene	193-39-5	40 ug/kg	<40
Dibenzo(a,h)Anthracene	53-70-3	40 ug/kg	<40

MDL = Minimum Detection Limit. Calculated on a wet weight basis

Michael Veraldi

Michael Veraldi-Laboratory Director

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"TOMORROWS ANALYTICAL SOLUTIONS TODAY" Associated

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS	CONTACT: Matt Boeckel	SAMPLER (SIGNATURE) / DATE / TIME	SAMPLE(S) SEALED	0025296
AES, Ltd. 25 Central Avenue Hauppauge, N.Y.	PHONE: 631-234-4280 FAX: 631-234-4297	SAMPLER NAME (PRINT): Matt Boeckel 6/5/06 12:00	YES / NO CORRECT CONTAINER(S) YES / NO	

PROJECT LOCATION: Flatbush

SAMPLES RECEIVED AT: 8 °C

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month.

	LABORATORY ID # (For Laboratory Use Only)	MATRIX	TYPE	PRES.	PH UNITS	RES. CHLORINE PPM	SAMPLE # - LOCATION	ANALYSIS REQUIRED: STARS 6021	STARS 6270	# OF CONTAINERS
1.	1110924	S	G	4°	-	-	Bottom (Fuel 0:1)	X	X	2
2.	1110925	S	G	4°	-	-	North Wall (Fuel 0:1)	X	X	2
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										
11.										
12.										
13.										
14.										

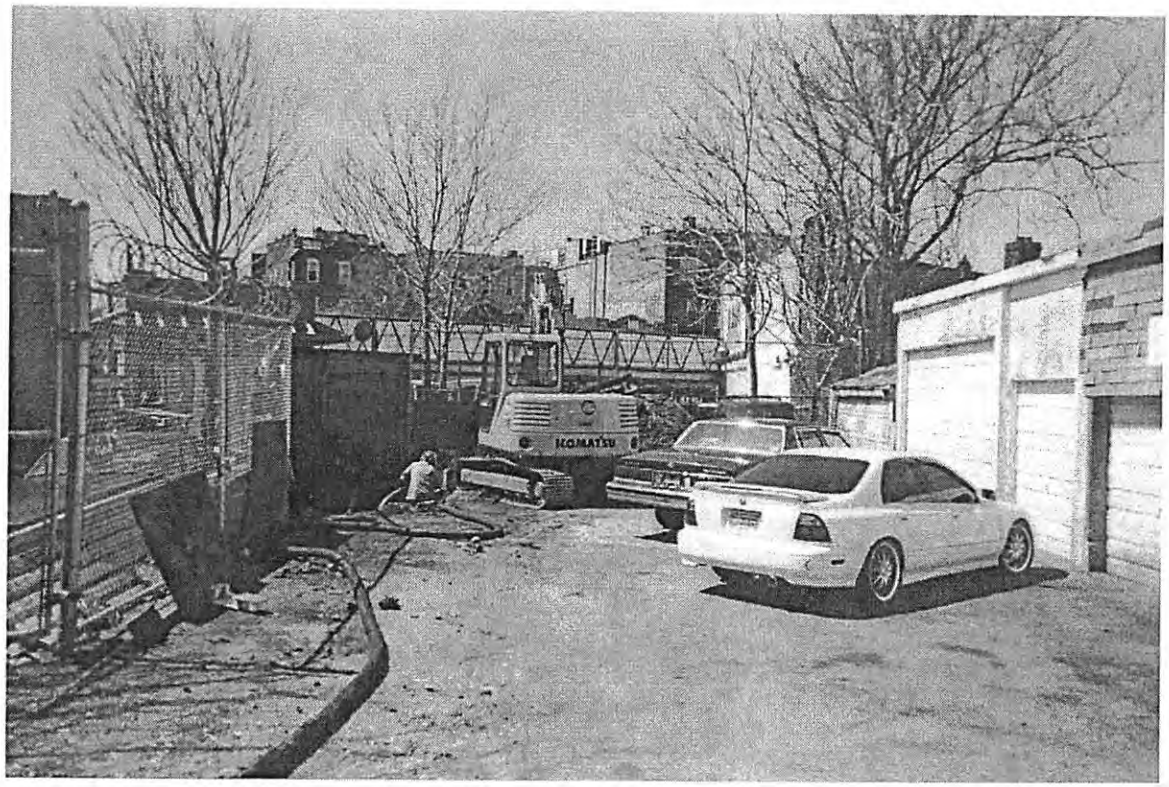
MATRIX: S=SOIL; SL=SLUDGE; L=LIQUID; DW=DRINKING WATER; A=AIR; W=WIPE; PC=PAINT CHIPS; BM= BULK MATERIAL, O=OIL
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: ICE, HCL, H_2SO_4, NAOH, $NA_2S_3O_3$

TURNAROUND REQUIRED: ☒ NORMAL ☐ STAT
BY / /

COMMENTS / INSTRUCTIONS

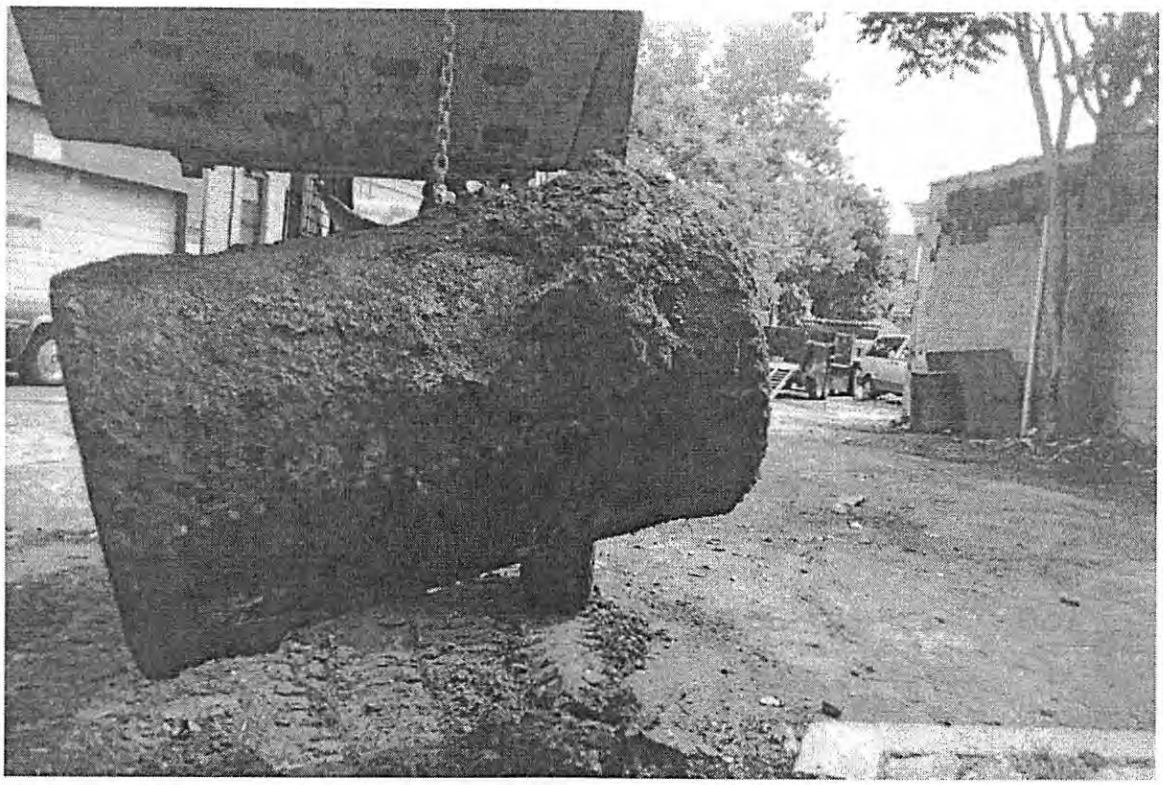
RELINQUISHED BY (SIGNATURE)	DATE 6/9/06 TIME 8:00	PRINTED NAME Matt Boeckel	RECEIVED BY (SIGNATURE)	DATE 6.9.06 TIME 10:30	PRINTED NAME L. Bascelli
RELINQUISHED BY (SIGNATURE)	DATE TIME	PRINTED NAME	RECEIVED BY SAMPLE CUSTODIAN	DATE 6/9/06 TIME 11:40A	PRINTED NAME T. Dwyer

Site Photographs

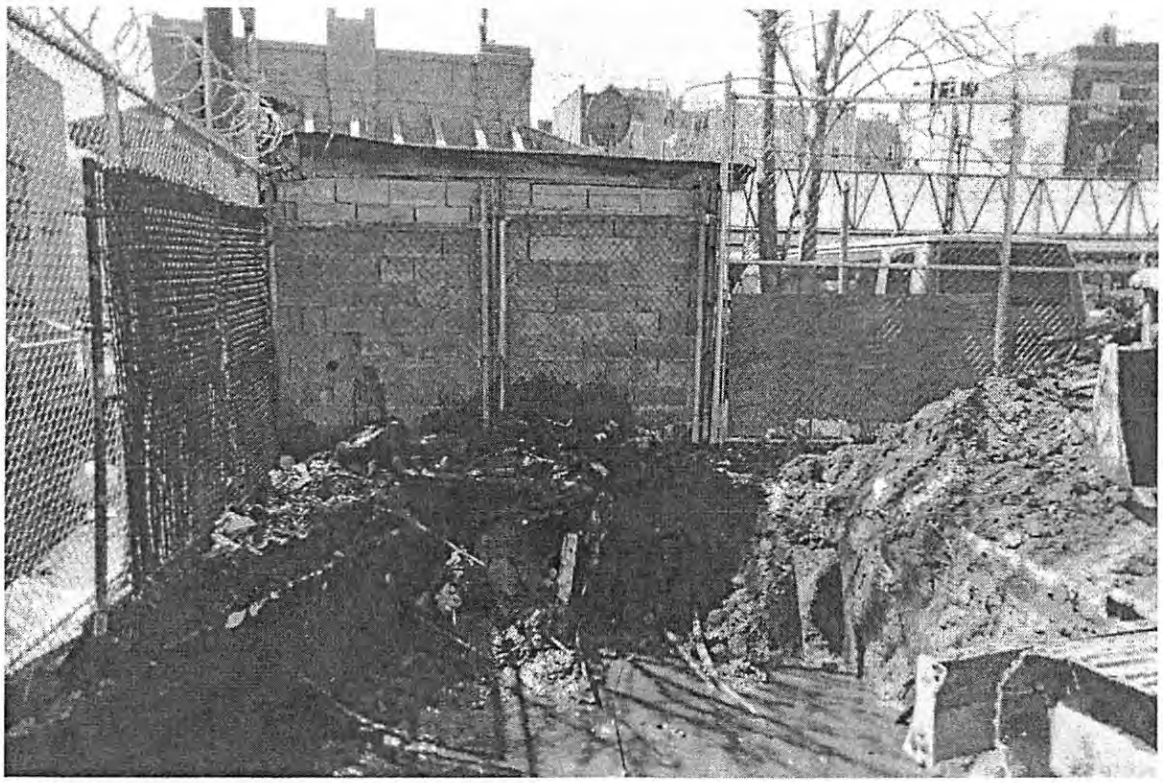


1. View of the subject site.

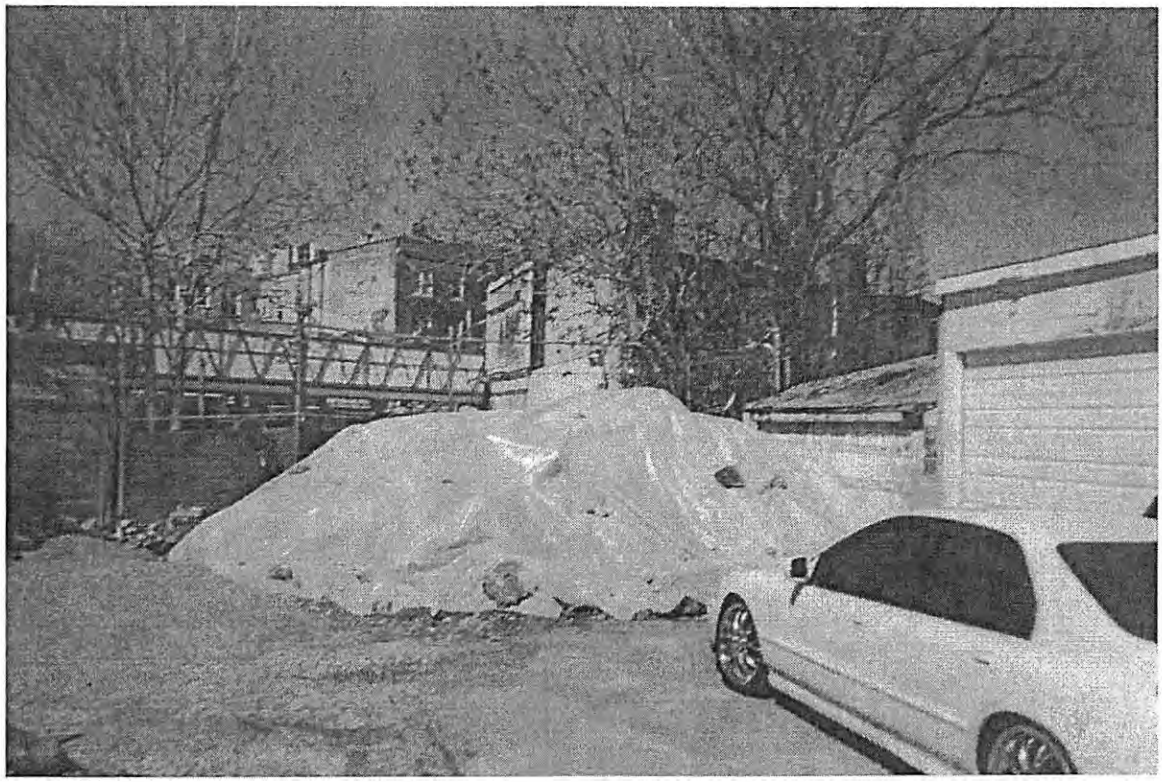
2. View of the gasoline USTs.



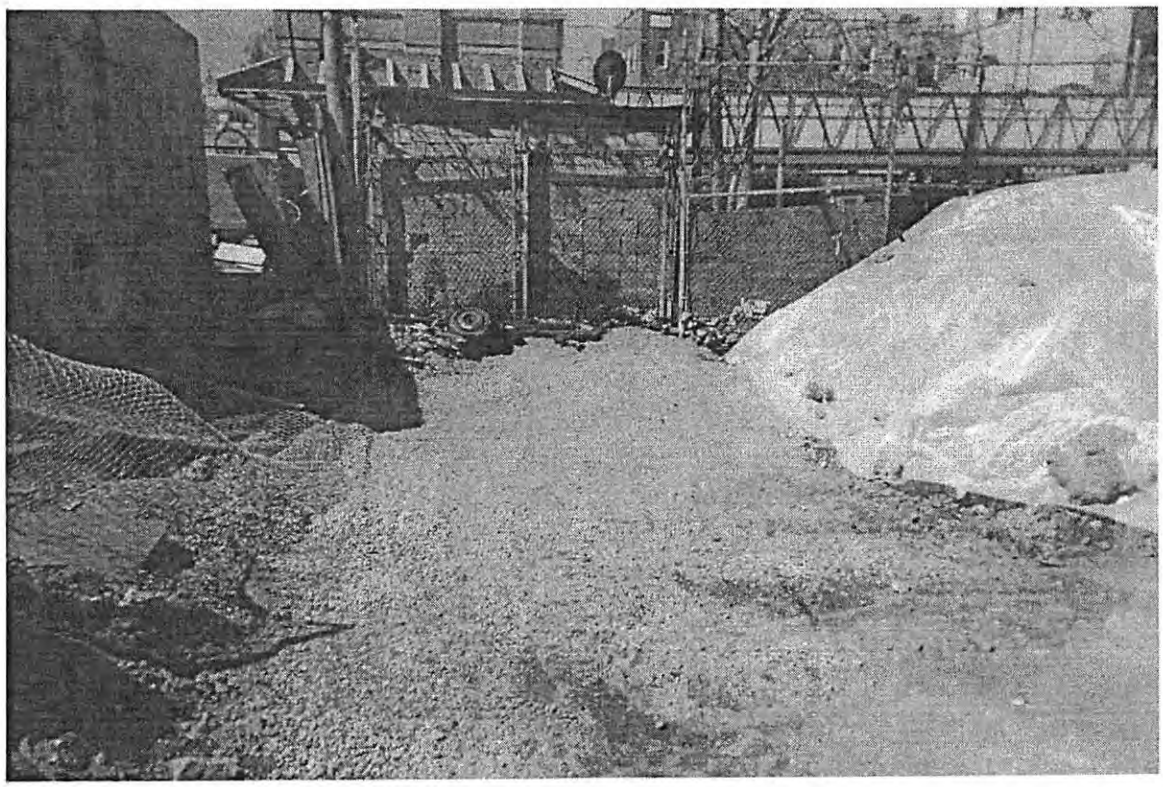
3. View of the fuel oil UST.



4. View of the excavation pit upon removal of the USTs.



5. View of the contaminated soil pile.



6. View of the excavation pit upon backfilling.

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-7366 • **FAX:** (718) 482-4098 • **Website:** www.dec.state.ny.us

Denise M. Sheehan
Commissioner

FAX

Date: July 10, 2006

Please deliver following pages to:

Name	:	**Shalon Isreali**	**Fax Number**	:	**(718) 253-8330**
Company	:				
Name	:	**Matthew Boeckel**	**Fax Number**	:	**(631) 234-4297**
Company	:	**Associated Environmental Services, Ltd.**			
Name	:		**Fax Number**	:	
Company	:				
Name	:		**Fax Number**	:	
Company	:				
Name	:		**Fax Number**	:	
Company	:				

From

Name : **Hiralkumar Patel**

Fax Number : **(718) 482-4098**

Total Number of Pages : **2 including this page.**

Remarks : **Spill # 0600423, 0600910**

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
Spill Prevention and Response Programs
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-7366 • **FAX:** (718) 482-4098 • **Website:** www.dec.state.ny.us

Denise M. Sheehan
Commissioner

July 10, 2006

Shalon Isreali
Eighteen Investment Group
3032 Nostrand Ave
Brooklyn, NY 11229

Re.: Spill at 1353 Flatbush Ave
Brooklyn, NY
Spill Case #: 0600423 & 0600910

Project Manager: Hiralkumar Patel

Dear Mr. Isreali,

Based on the submitted documentation provided to date, no further investigation or response will be required concerning this site, with regard to the spill number referenced above. The New York State DEC spill cases **0600423** and **0600910** have been inactivated.

The Department hereby reserves all of its rights concerning, and such forbearance shall not extend to, any further investigation or remedial action the Department deems necessary due to:

I. The off-site migration of petroleum contaminants that was not addressed by this evaluation.

II. Environmental conditions related to the Site which were unknown to the Department at the time of this approval.

III. Information received, in whole or part, after the Department's approval for inactivation, which indicates that inactivation decision and/or corrective action is not sufficiently protective of human health for the reasonably anticipated use of the site.

IV. Fraud in obtaining this approval for inactivation.

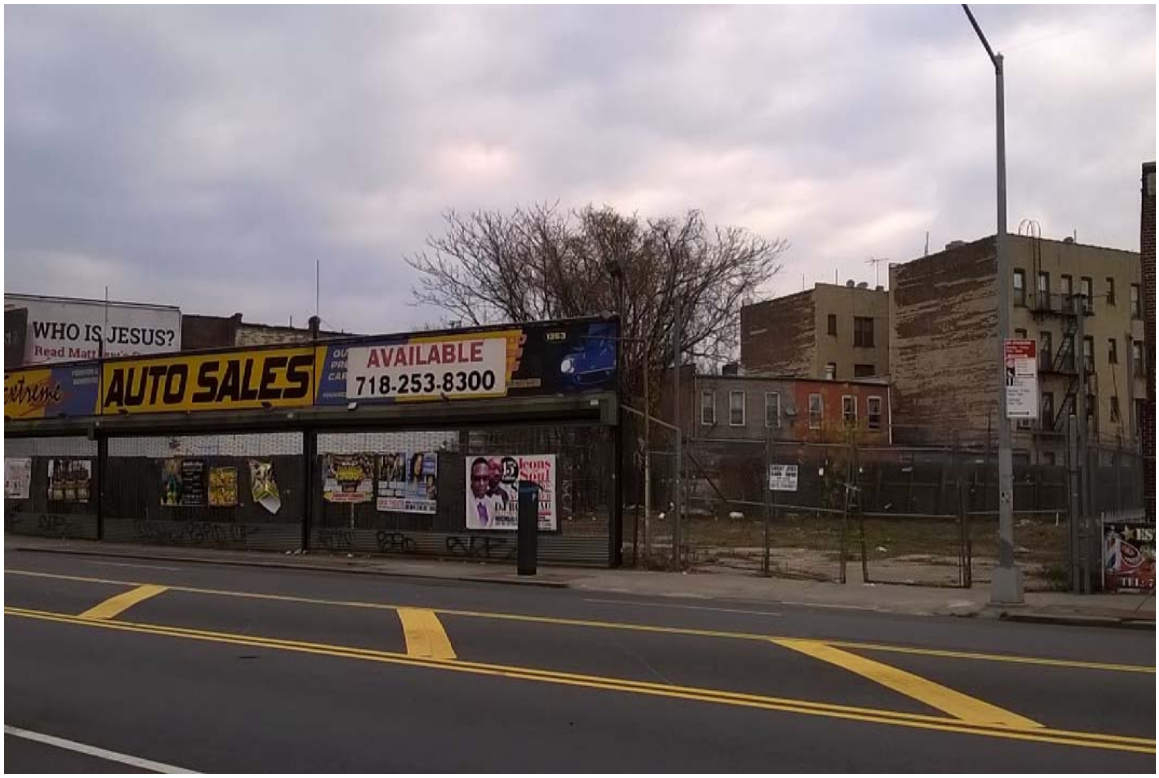
Please be advised that you should maintain a permanent file of all documentation and correspondence regarding this case for future property transactions, refinancing, etc. The Department's files regarding this release may not be maintained indefinitely.

Sincerely,

Hiralkumar Patel
Environmental Engineer
Spill Prevention & Response Programs

CC: Matthew Boeckel, Associated Environmental Services, Ltd.

APPENDIX B


WHO IS JESUS?
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AVAILABLE
718-253-8300


Clean Rite Center
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SAME DAY SERVICE


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Potters
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PERLAS DE IMPACTO
BILLES DE SABLAGE
WARNING
AVERT


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APPENDIX C

Hydro Environmental
CONTRACTING, CORP.

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77 Arkay Drive, Suite G
Hauppauge, New York 11788
T (631) 462-5866 • F (631) 462-5877

NYC Office
15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 • F (718) 636-0900

WWW.HYDROTECHENVIRONMENTAL.COM

December 14, 2015

Mr. Ted Nikolov
Hello Living / Hello Flatbush, LLC
33 35th Street-6th Floor
Brooklyn, NY 11232

Re: GPR Survey – 1353 Flatbush Avenue, Brooklyn NY
Hydro Tech Job No. 150298

Dear Mr. Nikolov:

Hydro Tech Environmental, Corp. has performed a Ground Penetrating Radar (GPR) survey at the above referenced Site. The GPR survey was conducted to investigate all available portions of the property for the presence of underground storage tanks.

SITE DETAILS

The Site is located at 1353 Flatbush Avenue in the Flatbush section of Brooklyn, New York and is identified as Block 5227 and Lots 13, 15 and 16 on the New York City Tax Map. The Site is 9,744 square feet in area and is bounded by Flatbush Avenue to the west, East 26th Street to the east, a 2-story mixed use building to the north and 2-story mixed use building to the south. A map of the site boundary is shown in **Figure 1**. Currently, the Site is a vacant lot.

DESCRIPTION OF FIELDWORK

The GPR survey was performed on December 9th, 2015 utilizing a GSSI SIR-3000 Control Unit and a 400-megahertz shielded antenna. Prior to the commencement of the survey, a visual inspection of the property was performed to identify specific areas where USTs could be present.

The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated sizes of targets. Based upon the typical size of a UST, the GPR was set to run at 50 scans per foot. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The difference in amplitude obtained during each scan is then graphically displayed on the Control Unit, which are then interpreted by the GPR operator the time of the survey. Additional interpretations are then conducted in the office utilizing specialized computer software.

GPR RESULTS

No anomalies indicative of an underground structure was identified during this survey.
Attachment #1 provides scans from the GPR Survey Machine.

I hope that this information has proven valuable to this phase of your assessment. Should you have any questions, please feel free to contact our office at your convenience.

Very Truly Yours,
Hydro Tech Environmental, Corp.

Carlos Quinonez
Vice President of Operations

CQ/aj
Encl.

cc: Hydro Tech File 150298 w/Encs.

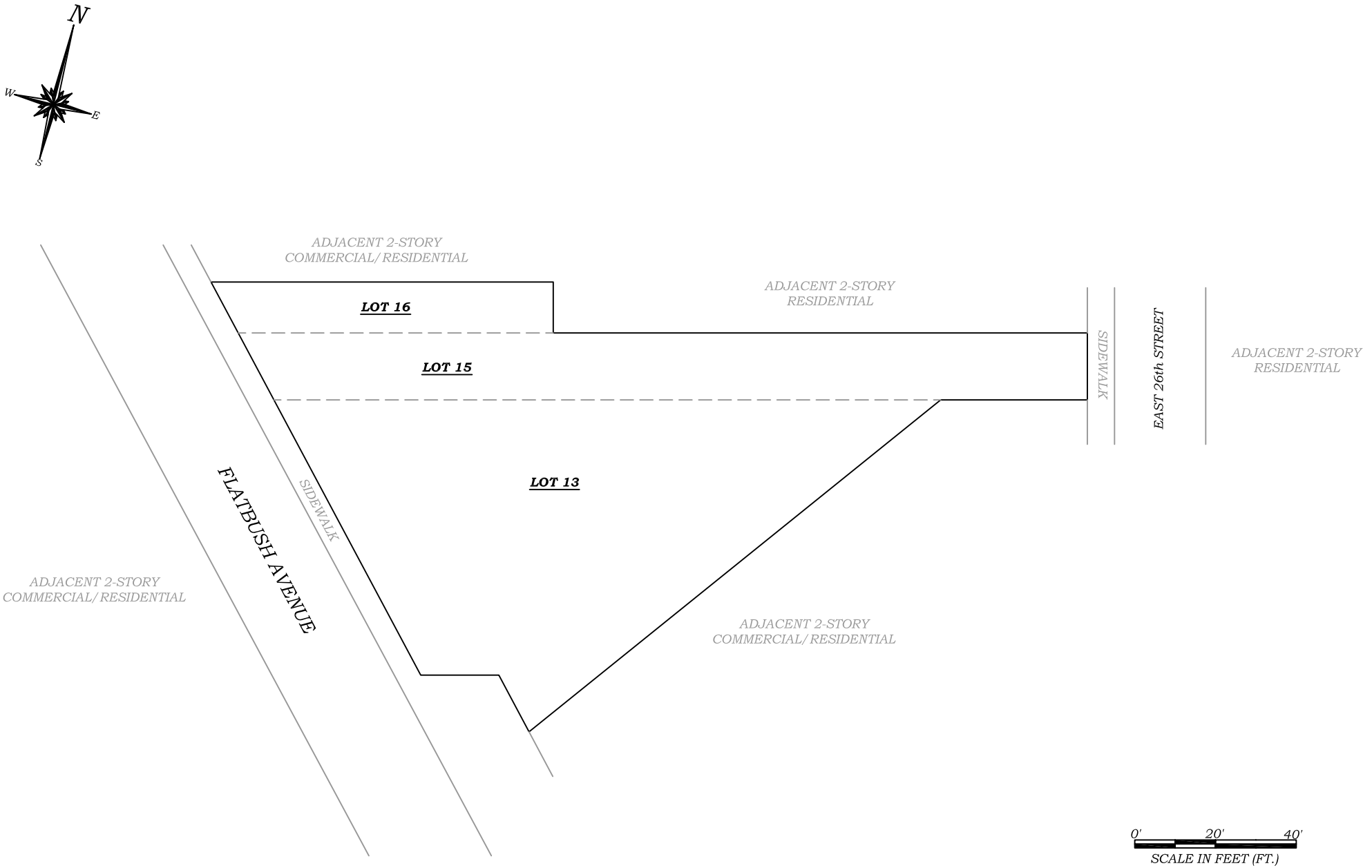
EXCLUSIONS & DISCLAIMER

The observations described in this report were made under the conditions stated therein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.

Observations were made of the subject property and/or of structures on the subject property as indicated within the report. Where access to portions of the subject property or to structures on the subject property was unavailable or limited, **Hydro Tech Environmental, Corp**. renders no opinion as to the presence of non-hazardous or hazardous materials, or to the presence of indirect evidence relating to a non hazardous or hazardous materials, in that portion of the subject property or structure. In addition, **Hydro Tech Environmental, Corp.** renders no opinion as to the presence of hazardous materials, or the presence of indirect evidence relating to hazardous materials, where direct observation of the interior walls, floors, or ceiling of a structure on a subject property was obstructed by objects or coverings on or over these surfaces.

The conclusions and recommendations contained in this report are based in part, where noted, upon various types of chemical data and are contingent upon their validity. The data have been reviewed and interpretations were made in the report. As indicated within the report, some of the data may be preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, the data should be reviewed, and the conclusions and recommendations presented herein modified accordingly.

Any GPR survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. **Hydro Tech Environmental, Corp.** does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions, however, made appropriate effort to identify and notify the client of such limitations and conditions. In particular, please note that the survey described above does not represent a full utility clearance survey, and does not relieve any party of applicable legal obligations to notify a utility one-call service prior to excavating or drilling.



HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
T (631)462-5866 F (631)462-5877

NYC OFFICE:
15 OCEAN AVENUE, 2nd Floor
BROOKLYN, NEW YORK 11225
T (718)636-0800 F (718)636-0900

www.hydrotechenvironmental.com

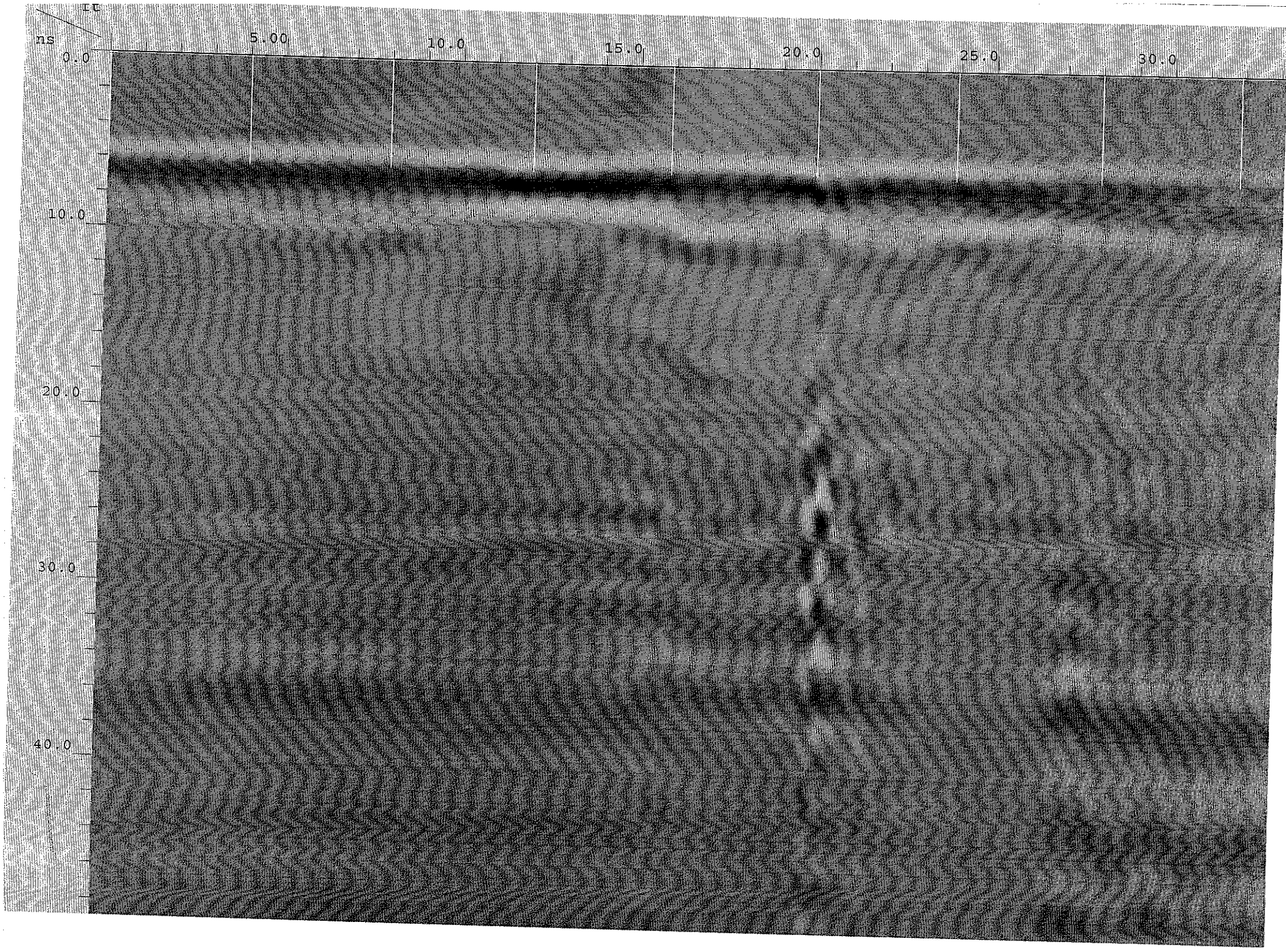
1353 Flatbush Avenue
Brooklyn, NY
HTE Job # 150296

Drawn By: C.Q.
Reviewed By: C.Q.
Approved By: M.R
Date: 11/24/15
Scale: AS NOTED

TITLE:

FIGURE 1: SITE BOUNDARY MAP

ATTACHMENT #1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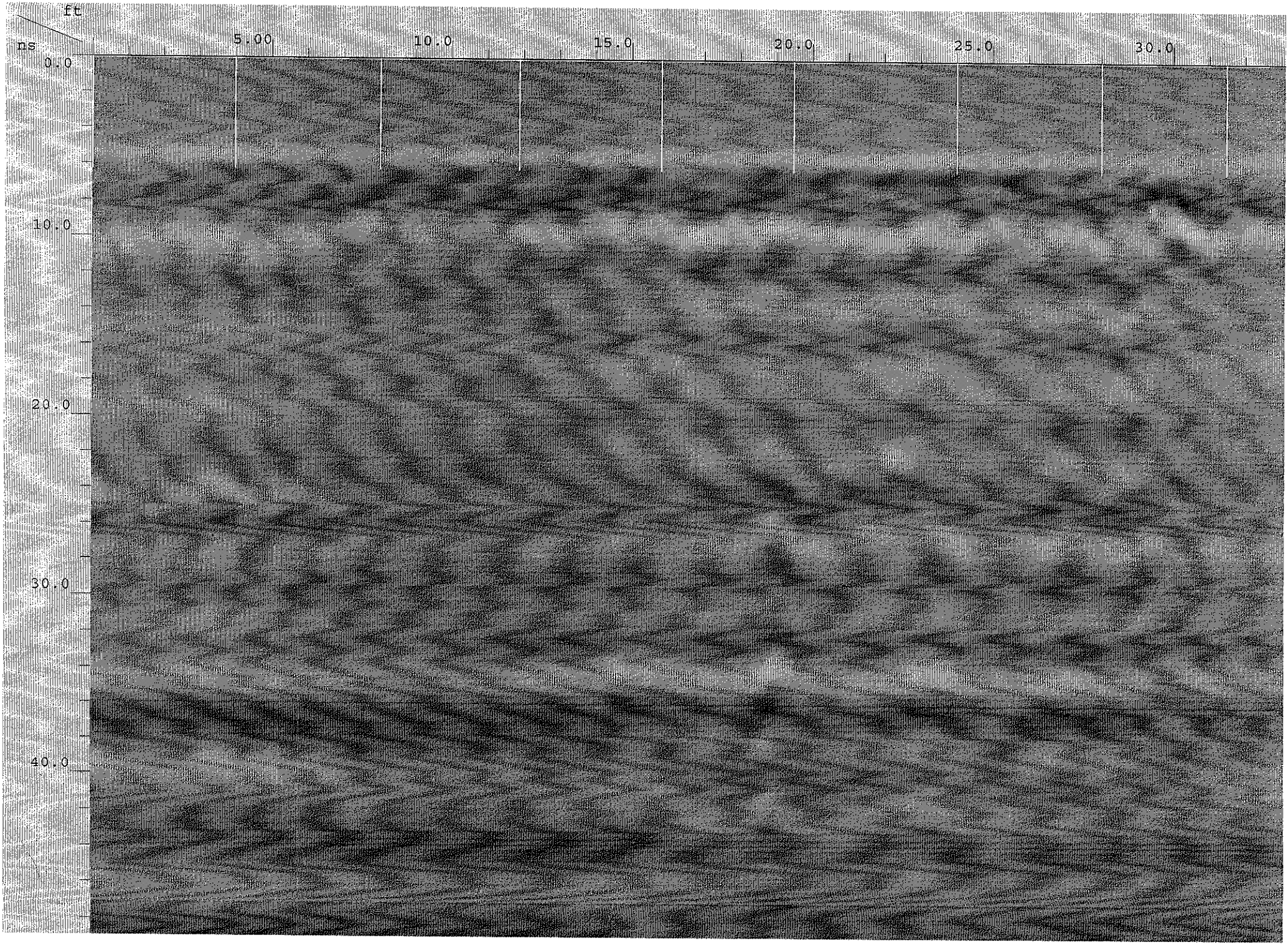
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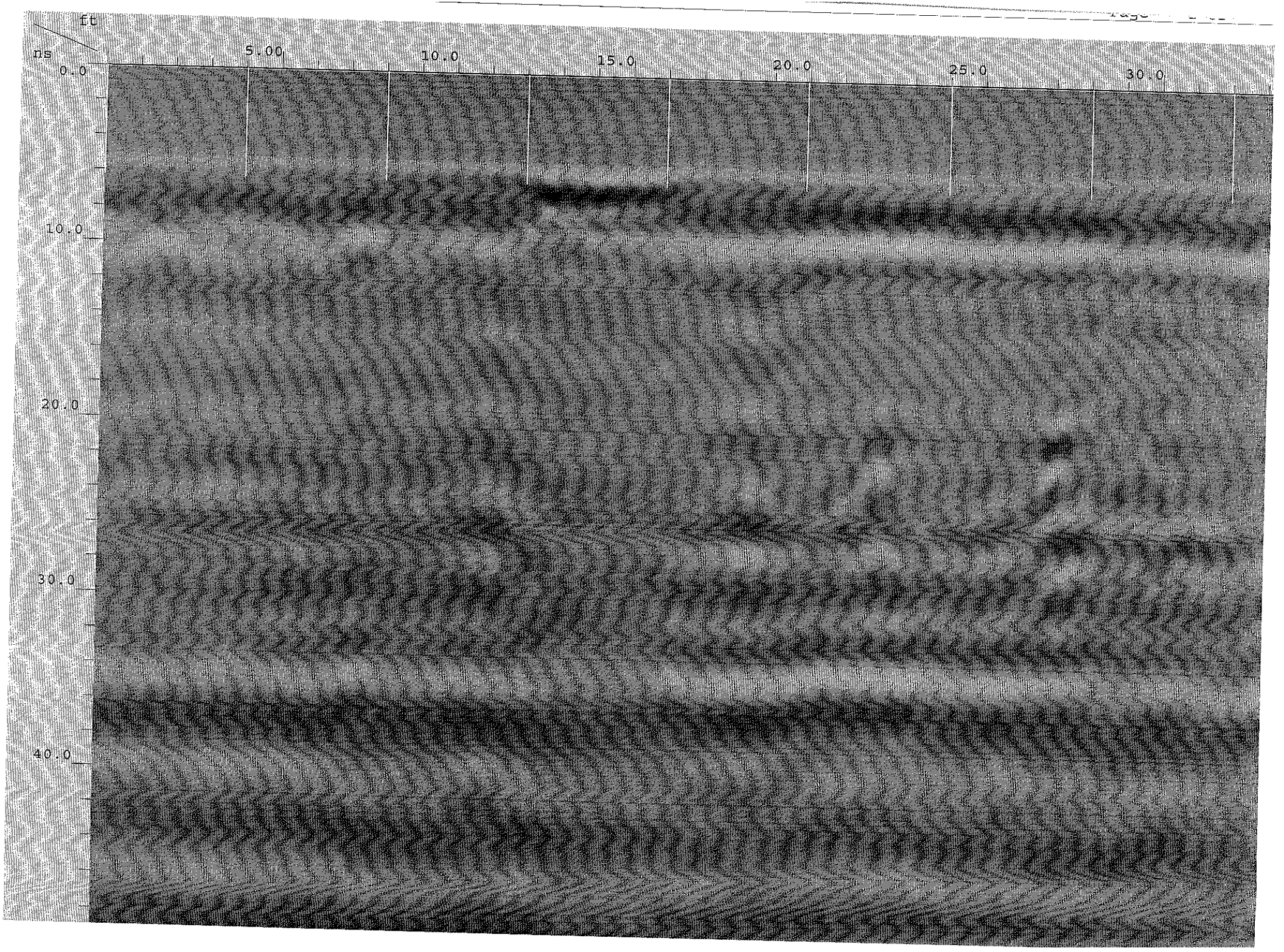
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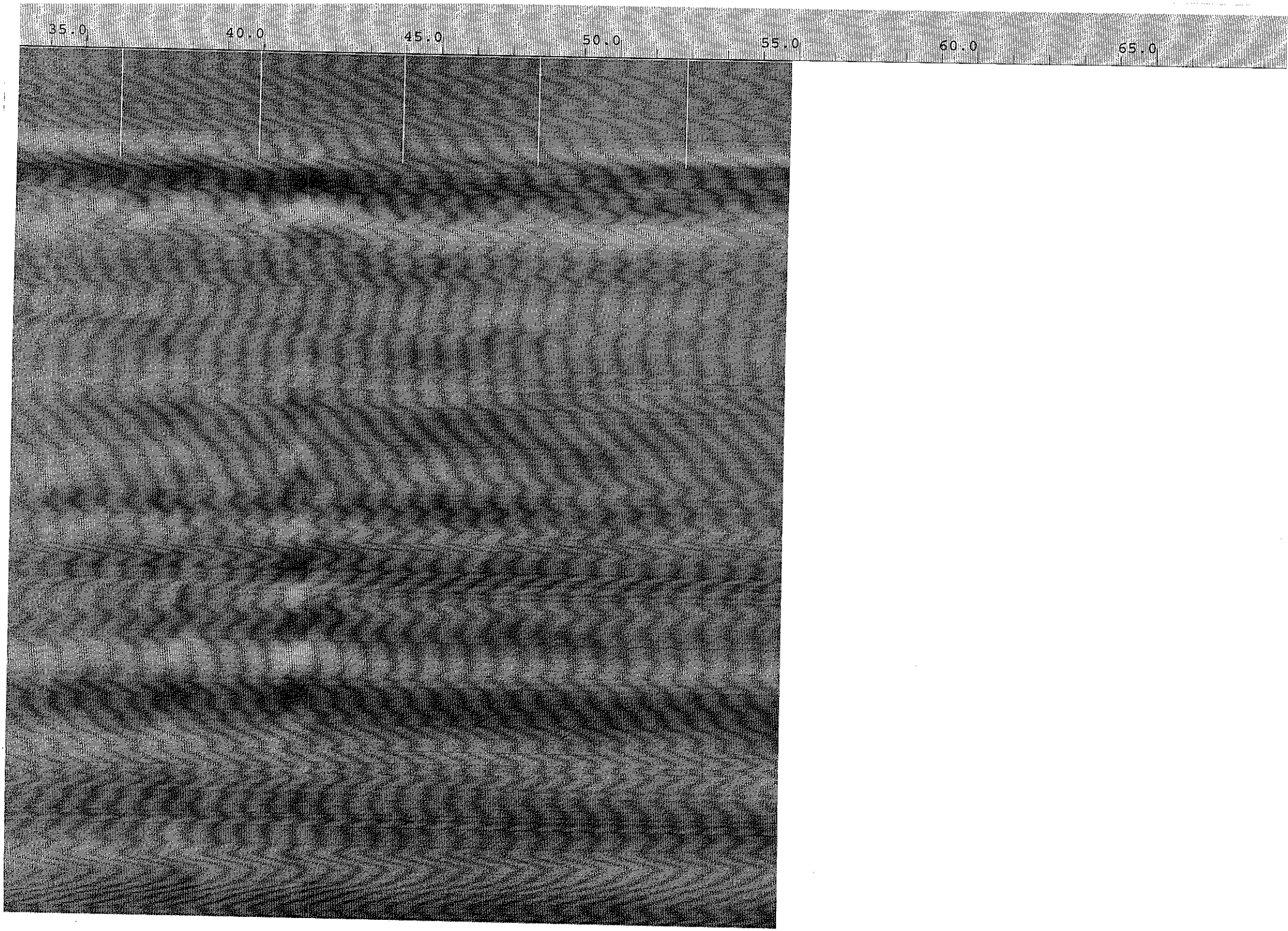
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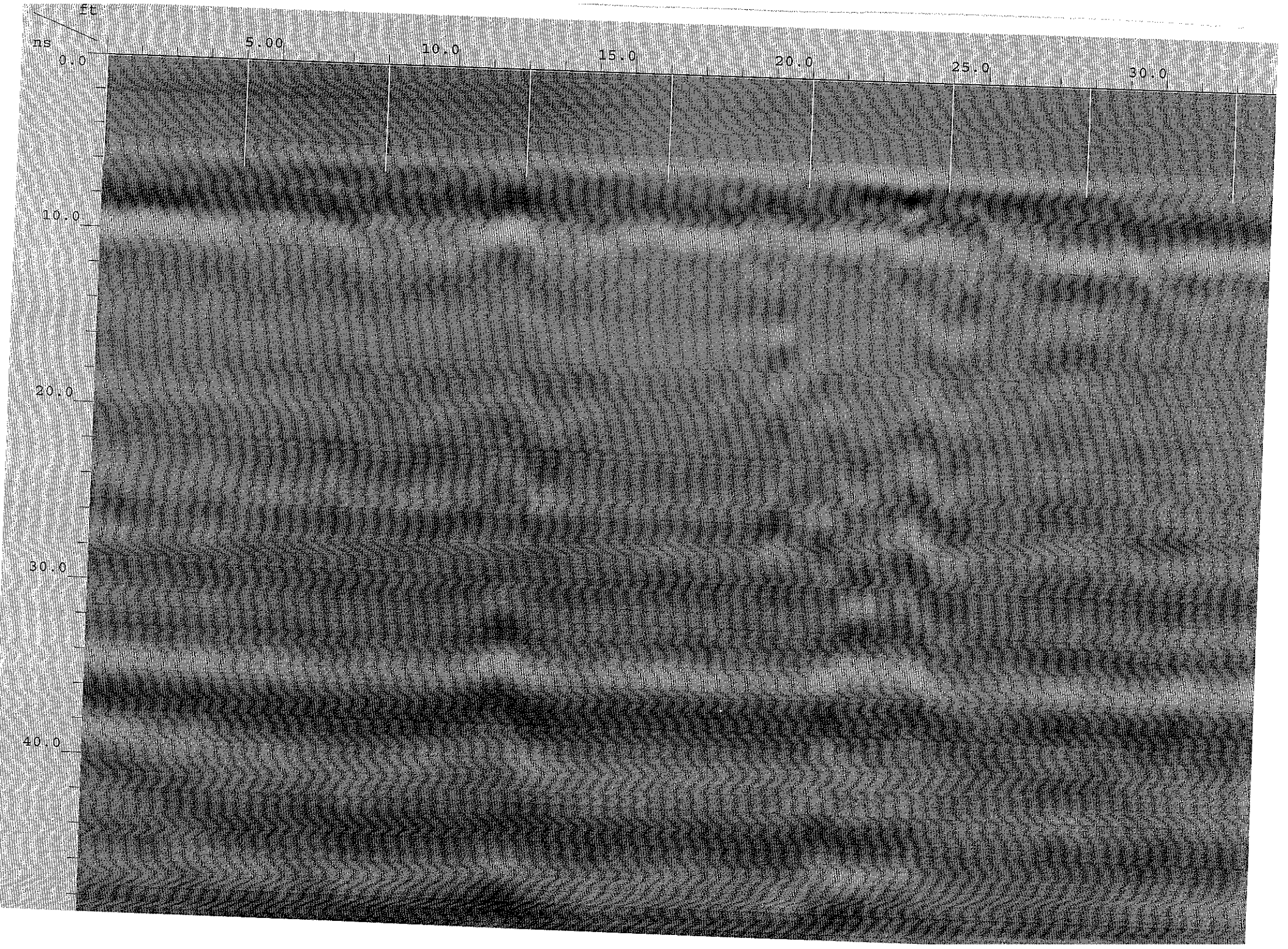
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APPENDIX D

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

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Soil Probe Log

Job No:	150298	Date: 12/09/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft Sampling Method: Grab
Boring No.:	SP-1		Depth to Water: N/A
Drilling Method:	Direct Push		Driller: HTE
Total Depth:	25 ft bgs		

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Black coarse grained sand
-2	0.0	SP	Brown/tan medium sandy silt
-4	0.0	SP	Brown/tan very fine sand clay loam
-6	0.0	SP	Tan coarse sand
-8	0.0	SP	Tan coarse sand
-10	0.0	SP	Tan coarse sand with gravel
-12	0.0	SP	Tan coarse sand with gravel
-14	0.0	SP	Tan coarse sand with gravel
-16	0.0	SP	Tan coarse sand with gravel
-18	0.0	SP	Tan coarse sand with gravel
-20	0.0	SP	Tan coarse sand with gravel
-22	0.0	SP	Tan coarse sand with gravel
-24	0.0	SP	

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

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Soil Probe Log

Job No:	150298	Date: 12/10/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft
Boring No.:	SP-2		Sampling Method: Grab
Drilling Method:	Direct Push		Depth to Water: N/A
Total Depth:	20 ft bgs		Driller: HTE

USCS SYMBOLS

GW - Well Graded Gravel; SW - Well Graded Sand; ML - Inorganic Silt / Sandy Silt; CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel; SP - Poorly Graded Sand; CL - Inorganic Clays/Sandy Clay; OH - Organic Silt / Clay
GM - Silty Gravel; SM - Silty Sand; OL - Inorganic Silts/Organic Silty Clay; PT - Peat/High Organics
GC - Clayey Gravel; SC - Clayey Sand; MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Brown organic medium silt
-2	0.0	SP	Light brown very fine sandy clay loam
-4	0.0	SP	Brown/tan coarse sand
-6	0.0	SP	Brown/tan coarse sand
-8	0.0	SP	Brown/tan coarse sand
-10	0.0	SP	Brown/tan coarse sand
-12	0.0	SP	Brown/tan coarse sand
-14	0.0	SP	Brown/tan coarse sand
-16	0.0	SP	Brown/tan coarse sand
-18	0.0	SP	Brown/tan coarse sand
-20			

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Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
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Soil Probe Log

Job No:	150298	Date: 12/10/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft Sampling Method: Grab
Boring No.:	SP-3		Depth to Water: N/A
Drilling Method:	Direct Push		Driller: HTE
Total Depth:	10 ft bgs		

USCS SYMBOLS

GW - Well Graded Gravel | SW - Well Graded Sand | ML - Inorganic Silt / Sandy Silt | CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel | SP - Poorly Graded Sand | CL - Inorganic Clays/Sandy Clay | OH - Organic Silt / Clay
GM - Silty Gravel | SM - Silty Sand | OL - Inorganic Silts/Organic Silty Clay | PT - Peat/High Organics
GC - Clayey Gravel | SC - Clayey Sand | MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Brown medium sand/silt with gravel
-2	0.0	SP	Brown medium sandy silt
-4	0.0	SP	Brown/tan medium to fine sand
-6	0.0	SP	Brown/tan medium to fine sand
-8	0.0	SP	Brown/tan medium to fine sand
-10			

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Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
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Soil Probe Log

Job No:	150298	Date: 12/09/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft
			Sampling Method: Grab
Boring No.:	SP-4		Depth to Water: N/A
Drilling Method:	Direct Push		Driller: HTE
Total Depth:	10 ft bgs		

USCS SYMBOLS

GW - Well Graded Gravel
GP - Poorly Graded Gravel
GM - Silty Gravel
GC - Clayey Gravel
SW - Well Graded Sand
SP - Poorly Graded Sand
SM - Silty Sand
SC - Clayey Sand
ML - Inorganic Silt / Sandy Silt
CL - Inorganic Clays/Sandy Clay
OL - Inorganic Silts/Organic Silty Clay
MH- Elastic Silts
CH - Inorganic Clay, High Plastic
OH - Organic Silt / Clay
PT - Peat/High Organics

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Black/gray medium sand
-2	0.0	SP	Tan orange very fine sandy clay loam
-4	0.0	SP	Tan coarse sand
-6	0.0	SP	Tan coarse sand
-8	0.0	SP	Tan coarse sand
-10			

Hydro Tech Environmental, Corp.

Main Office
77 Arkay Drive Suite G
Hauppauge, New York, 11788
T (631) 462-5866 · F (631) 462-5877

NYC Office
15 Ocean Avenue 2nd Floor
Brooklyn, New York 11225
T (718) 636-0800 · F (718) 636-0900

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Soil Probe Log

Job No:	150298	Date: 12/10/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft
Boring No.:	SP-5		Sampling Method: Grab
Drilling Method:	Direct Push		Depth to Water: N/A
Total Depth:	20 ft bgs		Driller: HTE

USCS SYMBOLS

GW - Well Graded Gravel; SW - Well Graded Sand; ML - Inorganic Silt / Sandy Silt; CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel; SP - Poorly Graded Sand; CL - Inorganic Clays/Sandy Clay; OH - Organic Silt / Clay
GM - Silty Gravel; SM - Silty Sand; OL - Inorganic Silts/Organic Silty Clay; PT - Peat/High Organics
GC - Clayey Gravel; SC - Clayey Sand; MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Dark brown organic medium snady silt
-2	0.0	SP	Brown very fine sandy silt
-4	0.0	SP	Tan/orange sandy clay loam
-6	0.0	SP	Tan coarse sand
-8	0.0	SP	Tan coarse sand
-10	0.0	SP	Tan coarse sand
-12	0.0	SP	Tan coarse sand
-14	0.0	SP	Tan coarse sand
-16	0.0	SP	Tan coarse sand
-18	0.0	SP	Tan coarse sand
-20			

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Hauppauge, New York, 11788
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Soil Probe Log

Job No:	150298	Date: 12/10/2015	Page: 1 of 1
Location:	1353 Flatbush Avenue Brooklyn, NY		Sampling Interval: 2 ft
Boring No.:	SP-6		Sampling Method: Grab
Drilling Method:	Direct Push		Depth to Water: N/A
Total Depth:	10 ft bgs		Driller: HTE

USCS SYMBOLS

GW - Well Graded Gravel; SW - Well Graded Sand; ML - Inorganic Silt / Sandy Silt; CH - Inorganic Clay, High Plastic
GP - Poorly Graded Gravel; SP - Poorly Graded Sand; CL - Inorganic Clays/Sandy Clay; OH - Organic Silt / Clay
GM - Silty Gravel; SM - Silty Sand; OL - Inorganic Silts/Organic Silty Clay; PT - Peat/High Organics
GC - Clayey Gravel; SC - Clayey Sand; MH- Elastic Silts

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Medium brown sand/silt with gravel
-2	0.0	SP	Dark brown very fine sandy silt
-4	0.0	SP	Tan medium to fine sand
-6	0.0	SP	Tan medium to fine sand
-8	0.0	SP	Tan medium to fine sand
-10			

APPENDIX E

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11225

PHONE: (631) 462-5866 FAX: (631) 462-5877

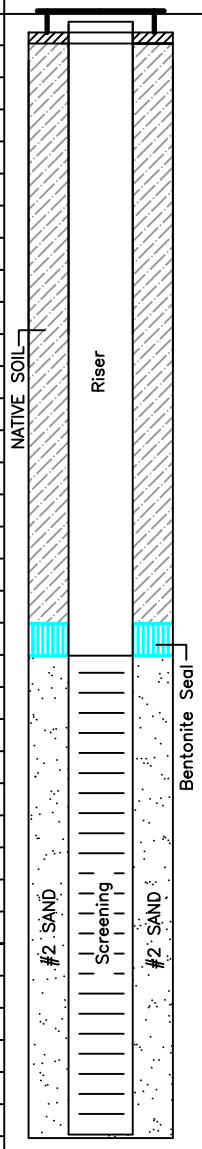
WELL CONSTRUCTION LOG

Job No: 150298 Date: 12-9-2015 Page: 1 OF 1

Location: 1353 FLATBUSH AVENUE, BROOKLYN, NY

Well Number:	MW-1	Screen Size:	0.020"
Drilling Method:	DIRECT PUSH	Screen Interval:	15.00'
Total Depth:	35.00'	Diameter:	1"
Depth to Water:	24.35'	Riser Length:	20.00'
Manhole Size:	5"	Sand Size:	#2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description



5" Manhole Cover

0'-19.00' - Native Soil

19.00'-20.00' - Bentonite Seal

20.00'-35.00' - #2 Sand

0' - 20.00' - Riser

20.00' - 35.00' - Screen

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77 ARKAY DRIVE, SUITE G
HAUPPAUGE NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11225

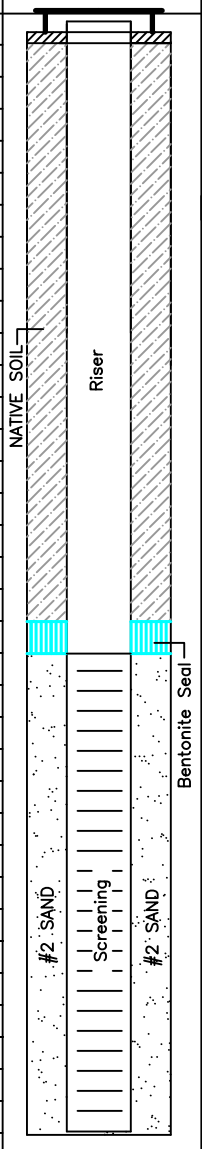
PHONE: (631) 462-5866 FAX: (631) 462-5877

WELL CONSTRUCTION LOG

Job No: 150298 Date: 12-9-2015 Page: 1 OF 1

Location: 1353 FLATBUSH AVENUE, BROOKLYN, NY

Well Number:	MW-2	Screen Size:	0.020"
Drilling Method:	DIRECT PUSH	Screen Interval:	15.00'
Total Depth:	35.00'	Diameter:	1"
Depth to Water:	24.20'	Riser Length:	20.00'
Manhole Size:	5"	Sand Size:	#2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36			5" Manhole Cover 0'-19.00' - Native Soil 19.00'-20.00' - Bentonite Seal 20.00'-35.00' - #2 Sand 0' - 20.00' - Riser 20.00' - 35.00' - Screen

HYDRO TECH ENVIRONMENTAL CORP.

MAIN OFFICE:
77 ARKAY DRIVE, SUITE G
HAUPPAUGE NEW YORK 11788

NYC OFFICE:
15 OCEAN AVENUE, SECOND FLOOR
BROOKLYN, NEW YORK 11225

PHONE: (631) 462-5866 FAX: (631) 462-5877

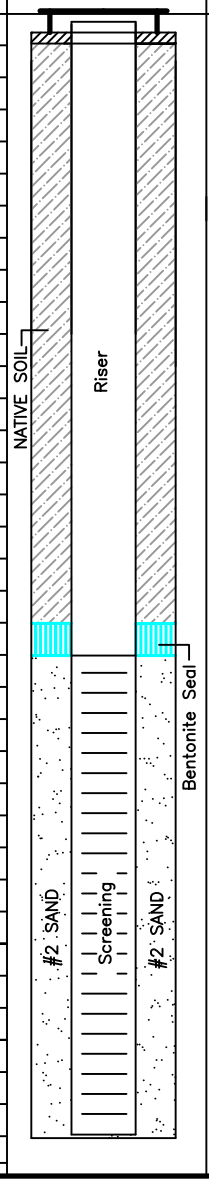
WELL CONSTRUCTION LOG

Job No: 150298 Date: 12-9-2015 Page: 1 OF 1

Location: 1353 FLATBUSH AVENUE, BROOKLYN, NY

Well Number:	MW-3	Screen Size:	0.020"
Drilling Method:	DIRECT PUSH	Screen Interval:	15.00'
Total Depth:	35.00'	Diameter:	1"
Depth to Water:	24.81'	Riser Length:	20.00'
Manhole Size:	5"	Sand Size:	#2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description



5" Manhole Cover

0'-19.00' - Native Soil

19.00'-20.00' - Bentonite Seal

20.00'-35.00' - #2 Sand

0' - 20.00' - Riser

20.00' - 35.00' - Screen

APPENDIX F

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 150298 Well No.: 2 Date: 12/11/15

Well Depth: 25 F Screen Length: 15 F Well Diameter: 1" Casing Type: PVC

Sampling Device: Horiba Tubing Type: _____ Initial DTP: N/D Initial DTW: 24.20

Well Volume: _____ Total Volume Purged: 2 gal

Sampling Personnel: HTE

Low Flow Sampling required ? Yes : _____ No: _____

Order of stabilization

Deviation

Time	DTP (ft)	DTW (ft)	pH (a ±1)	Temp (°F) (b)	Cond. (S/Cm) (c ± 3%)	Dis.O2 (mg/L) (e ± 10%)	Turb.(NTU) (f ± 10%)	ORP (mV) (d ± 10 mv)	Notes
9:30 am	N/D	24.20	6.55	12.30	175	3.55	3315	-175	
9:35 am	"	~~23.05~~	6.75	12.10	150	3.10	10.34	-222	
9:40 am	"	24.70	6.40	12.55	160	3.65	19.70	-145	

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 150298 Well No.: 1 Date: 12/1/15

Well Depth: 35 F Screen Length: 15 F Well Diameter: 1" Casing Type: PVC

Sampling Device: Horiba Tubing Type: _____ Initial DTP: N/D Initial DTW: 24.35

Well Volume: _____ Total Volume Purged: 2 gal

Sampling Personnel: HTE

Low Flow Sampling required ? Yes : _____ No: _____

Order of stabilization / Deviation			a ±1	b	c ± 3%	e ± 10%	f ± 10%	d ± 10 mv	
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Notes
9:00am	N/D	24.35	6.39	12.30	1.64	3.10	-95	-112	
9:05am	"	25.10	6.10	12.10	1.75	3.40	-50	-110	
9:10am	"	27.07	5.70	13.00	1.55	2.80	-60	-175	

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 150248 Well No.: 3 Date: 12/11/15

Well Depth: 35F Screen Length: 15F Well Diameter: 1" Casing Type: PVC

Sampling Device: horiba Tubing Type: _____ Initial DTP: N/D Initial DTW: 24.81

Well Volume: _____ Total Volume Purged: 2 gal

Sampling Personnel: HTE

Low Flow Sampling required ? Yes : _____ No: _____

Order of stabilization

Deviation

Time	DTP (ft)	DTW (ft)	pH (a ±1)	Temp (°F) (b)	Cond. (S/Cm) (c ± 3%)	Dis.O2 (mg/L) (e ± 10%)	Turb.(NTU) (f ± 10%)	ORP (mV) (d ± 10 mv)	Notes
10:05 AM	N/D	24.81	6.75	13.05	175	2.88	4934	-111	
10:10 AM	"	24.02	6.50	12.75	150	3.40	1970	-113	
10:20 AM	"	25.05	5.70	12.70	185	3.10	35.15	-145	

HYDRO TECH ENVIRONMENTAL, CORP.

77 Arkay Drive, Suite G
Hauppauge, New York 11788

15 Ocean Avenue, 2nd Floor
Brooklyn, New York 11225

MONITORING WELL MONITORING LOG

Project Name _____ Date 12-11-2015

Client _____ Instrument _____

Site Location 1353 Flatbush Ave. Brooklyn, NY Spill No. _____

Monitoring Schedule _____ Sampling Schedule _____

Legend

T = Trace F = Film S = Snow D = Dry G = Gone P = Pump C = Can't Locate
DTW = Depth to Water DTP = Depth to Product PT = Product Thickness ND = None Detected NA = No Access

Monitoring Well	D.T.P. (Before)	D.T.W. (Before)	P.T. (Before)	D.T.P. (After)	D.T.W. (After)	P.T. (After)
MW-1	ND	24.35				
MW-2	"	24.20				
MW-3	"	24.81				

Note All measurements in feet, TOC

OScan

Reported By

Reviewed By:

APPENDIX G

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs: Dry, Cold

Building Ventilation Conditions: N/A

Source(s) of VOCs in Area: Vehicle exhaust from adj. roads

Sample Coordinates						Sampler Name	Indoor PID Reading (ppm)	Indoor air temp (°F)	Summa Canister ID	Canister Volume (L)	Purge Volume(s) (L)	Helium Detector (µg/L)		Time start (24 hr)	Time Stop (24 hr)	Canister Vacuum ("Hg)		Total Volume Extracte (L)	Weather (Wind, Dry, Moist, Saturated, temp) of Sampling Zone
Sample ID	Sampling Date	Air Matrix	Sub-Surface Installation																
			Date	Time	Depth							Start	Stop			Before	After		
SV-1	12/11/15	SV	12/10/15	10:10	6'	Oscar	NA	NA	469	6	6	0	0	0833	1234	-30	-15		Dry, Cold
SV-2	12/11/15	SV	12/9/15	14:30	14.5'	Oscar	NA	NA	3179	6	6	0	0	0832	1233	-30	-15		↓
SV-3	12/11/15	SV	12/9/15	12:40	14.5'	Oscar	NA	NA	475	6	6	0	0	0830	1230	-30	-13		↓
SV-4	12/11/15	SV	12/9/15	13:10	14.5'	Oscar	NA	NA	470	6	6	0	0	0831	1231	-30	-13		↓
OA-1	12/11/15	AO	NA	NA	NA	Oscar	NA	NA	19630	6	6	NA	NA	0830	1232	-30	-15		↓

Air Matrix Codes:
AI - Indoor Air
AO- Outdoor Air
SV - Soil Vapor
SB - Sub-slab

Notes :

APPENDIX H

PHOENIX
Environmental Laboratories, Inc.

Tuesday, December 22, 2015

Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Project ID: 150299-1353 FLATBUSH AVE.
Sample ID#s: BK35576 - BK35589

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

December 22, 2015

SDG I.D.: GBK35576

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:05
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35576

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	6290	52	mg/Kg	10	12/11/15	LK	SW6010C
Antimony	8.1	3.6	mg/Kg	1	12/11/15	LK	SW6010C
Arsenic	12.4	0.7	mg/Kg	1	12/11/15	LK	SW6010C
Barium	150	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Beryllium	0.41	0.29	mg/Kg	1	12/11/15	LK	SW6010C
Calcium	4590	5.4	mg/Kg	1	12/11/15	LK	SW6010C
Cadmium	0.82	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Chromium	10.2	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Cobalt	5.11	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Copper	235	3.5	mg/kg	10	12/11/15	LK	SW6010C
Iron	14400	52	mg/Kg	10	12/11/15	LK	SW6010C
Lead	854	3.5	mg/Kg	10	12/11/15	LK	SW6010C
Magnesium	1950	5.4	mg/Kg	1	12/11/15	LK	SW6010C
Manganese	119	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Mercury	0.29	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	18.3	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Potassium	510	5.4	mg/Kg	1	12/11/15	LK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	12/11/15	LK	SW6010C
Silver	0.36	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Sodium	86.0	5.4	mg/Kg	1	12/11/15	LK	SW6010C
Thallium	< 3.2	3.2	mg/Kg	1	12/11/15	LK	SW6010C
Vanadium	16.3	0.36	mg/Kg	1	12/11/15	LK	SW6010C
Zinc	347	3.5	mg/Kg	10	12/11/15	LK	SW6010C
Percent Solid	90		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 0-2 FT

Phoenix I.D.: BK35576

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.072	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	73		%	2	12/11/15	AW	30 - 150 %
% TCMX	75		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0022	mg/Kg	2	12/15/15	CE	SW8081B
4,4' -DDE	ND	0.0022	mg/Kg	2	12/15/15	CE	SW8081B
4,4' -DDT	0.0063	0.0022	mg/Kg	2	12/15/15	CE	SW8081B
a-BHC	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
a-Chlordane	ND	0.0036	mg/Kg	2	12/15/15	CE	SW8081B
Aldrin	ND	0.0036	mg/Kg	2	12/15/15	CE	SW8081B
b-BHC	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Chlordane	ND	0.036	mg/Kg	2	12/15/15	CE	SW8081B
d-BHC	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Dieldrin	ND	0.0036	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan I	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan II	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan sulfate	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Endrin	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Endrin aldehyde	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Endrin ketone	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/15/15	CE	SW8081B
g-Chlordane	ND	0.0036	mg/Kg	2	12/15/15	CE	SW8081B
Heptachlor	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Heptachlor epoxide	ND	0.0072	mg/Kg	2	12/15/15	CE	SW8081B
Methoxychlor	ND	0.036	mg/Kg	2	12/15/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/15/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	86		%	2	12/15/15	CE	30 - 150 %
% TCMX	87		%	2	12/15/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 0-2 FT

Phoenix I.D.: BK35576

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.031	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.031	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.031	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	0.99	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Styrene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	1.2	mg/Kg	50	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0061	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96		%	50	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	94		%	50	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	107		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	94		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 0-2 FT

Phoenix I.D.: BK35576

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.59	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	0.59	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	2.5	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	2.6	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	3	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	1.6	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	1.6	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.74	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	2.9	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	0.3	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	6	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	1.9	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	3.2	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	5.7	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	48		%	1	12/11/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	59		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	51		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	57		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	62		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	74		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

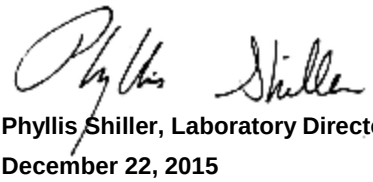
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:15
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35577

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 14.5-16.5 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	3690	48	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.2	3.2	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	2.1	0.6	mg/Kg	1	12/11/15	EK	SW6010C
Barium	20.3	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.28	0.26	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	895	4.8	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.32	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	15.3	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	5.48	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Copper	8.32	0.32	mg/kg	1	12/11/15	EK	SW6010C
Iron	11100	48	mg/Kg	10	12/11/15	EK	SW6010C
Lead	4.02	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	1920	4.8	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	207	3.2	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	40.5	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	675	4.8	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.32	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	107	4.8	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 2.9	2.9	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	14.7	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	17.8	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	97		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 14.5-16.5 FT

Phoenix I.D.: BK35577

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	97		%	2	12/11/15	AW	30 - 150 %
% TCMX	90		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.002	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.002	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.002	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.033	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.033	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	76		%	2	12/11/15	CE	30 - 150 %
% TCMX	76		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 14.5-16.5 FT

Phoenix I.D.: BK35577

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.026	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.026	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.026	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0053	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	95		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	99		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	98		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-1 14.5-16.5 FT

Phoenix I.D.: BK35577

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.67	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.34	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	57		%	1	12/11/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	56		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	62		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	50		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	62		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	78		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

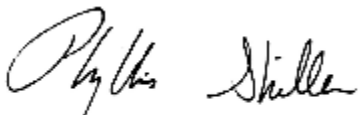
Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	10:30
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35578

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	11100	55	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.6	3.6	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	5.8	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	78.6	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.42	0.29	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	3260	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.36	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	16.1	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	6.07	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Copper	52.2	0.36	mg/kg	1	12/11/15	EK	SW6010C
Iron	15700	55	mg/Kg	10	12/11/15	EK	SW6010C
Lead	130	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	2460	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	249	3.6	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	0.19	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	18.5	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	916	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.36	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	77.1	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	26.7	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	117	0.36	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	87		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 0-2 FT

Phoenix I.D.: BK35578

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.075	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	90		%	2	12/11/15	AW	30 - 150 %
% TCMX	97		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0022	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.0022	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.0022	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0037	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0037	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.037	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0037	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0015	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0037	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.0075	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.037	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.15	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	72		%	2	12/11/15	CE	30 - 150 %
% TCMX	71		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 0-2 FT

Phoenix I.D.: BK35578

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.03	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.03	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.03	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.006	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	85		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	103		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	96		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 0-2 FT

Phoenix I.D.: BK35578

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.59	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	0.35	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	0.36	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	0.3	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	0.41	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	0.32	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.74	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	0.38	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	0.81	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.43	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	0.45	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	0.71	0.26	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.37	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	60		%	1	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 0-2 FT

Phoenix I.D.: BK35578

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	66		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	62		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	53		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	62		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	83		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

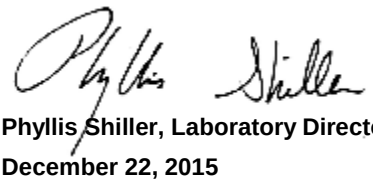
Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	10:40
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35579

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 14.5-16.5 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	3560	52	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	1.5	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	23.5	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.28	0.28	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	984	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.35	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	16.0	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	6.00	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Copper	7.89	0.35	mg/kg	1	12/11/15	EK	SW6010C
Iron	9060	52	mg/Kg	10	12/11/15	EK	SW6010C
Lead	5.17	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	2370	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	208	3.5	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	40.9	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	782	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.35	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	91.5	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.1	3.1	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	13.5	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	19.1	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	95		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 14.5-16.5 FT

Phoenix I.D.: BK35579

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	94		%	2	12/11/15	AW	30 - 150 %
% TCMX	94		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.035	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.007	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	75		%	2	12/11/15	CE	30 - 150 %
% TCMX	73		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 14.5-16.5 FT

Phoenix I.D.: BK35579

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.029	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.029	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.029	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0058	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	96		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	101		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	99		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 14.5-16.5 FT

Phoenix I.D.: BK35579

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.56	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.7	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	55		%	1	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-2 14.5-16.5 FT

Phoenix I.D.: BK35579

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	59		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	65		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	54		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	65		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	66		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

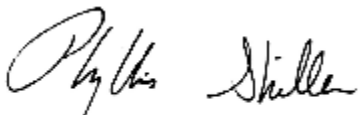
Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	12:20
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35580

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	7440	52	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.5	3.5	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	6.2	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	255	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.43	0.28	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	56200	52	mg/Kg	10	12/11/15	EK	SW6010C
Cadmium	0.73	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	15.5	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	5.19	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Copper	52.6	0.35	mg/kg	1	12/11/15	EK	SW6010C
Iron	13700	52	mg/Kg	10	12/11/15	EK	SW6010C
Lead	350	3.5	mg/Kg	10	12/11/15	EK	SW6010C
Magnesium	9600	52	mg/Kg	10	12/11/15	EK	SW6010C
Manganese	315	3.5	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	0.26	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	17.9	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	949	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.35	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	248	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.1	3.1	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	25.9	0.35	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	329	3.5	mg/Kg	10	12/11/15	EK	SW6010C
Percent Solid	93		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 0-2 FT

Phoenix I.D.: BK35580

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	110		%	2	12/11/15	AW	30 - 150 %
% TCMX	108		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	12/15/15	CE	SW8081B
4,4' -DDE	ND	0.0021	mg/Kg	2	12/15/15	CE	SW8081B
4,4' -DDT	0.011	0.0021	mg/Kg	2	12/15/15	CE	SW8081B
a-BHC	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
a-Chlordane	ND	0.0035	mg/Kg	2	12/15/15	CE	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	12/15/15	CE	SW8081B
b-BHC	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Chlordane	ND	0.035	mg/Kg	2	12/15/15	CE	SW8081B
d-BHC	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan I	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan II	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Endosulfan sulfate	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Endrin	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Endrin aldehyde	0.056	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Endrin ketone	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/15/15	CE	SW8081B
g-Chlordane	ND	0.0035	mg/Kg	2	12/15/15	CE	SW8081B
Heptachlor	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Heptachlor epoxide	ND	0.007	mg/Kg	2	12/15/15	CE	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	12/15/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/15/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	102		%	2	12/15/15	CE	30 - 150 %
% TCMX	86		%	2	12/15/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 0-2 FT

Phoenix I.D.: BK35580

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.024	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.024	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.0096	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.024	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0096	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.0096	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.0096	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0096	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0048	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	90		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	100		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	101		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 0-2 FT

Phoenix I.D.: BK35580

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.56	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.7	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	0.33	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.28	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	0.29	0.24	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.35	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	64		%	1	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 0-2 FT

Phoenix I.D.: BK35580

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	69		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	66		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	72		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	82		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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

Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	12:30
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35581

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	5480	57	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.8	3.8	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	1.4	0.8	mg/Kg	1	12/11/15	EK	SW6010C
Barium	17.1	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.32	0.30	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	907	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.38	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	9.38	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	4.59	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Copper	8.26	0.38	mg/kg	1	12/11/15	EK	SW6010C
Iron	8800	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Lead	12.2	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	2380	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	189	3.8	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	19.6	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	631	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.38	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	53.4	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	13.4	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	20.5	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	92		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 4-6 FT

Phoenix I.D.: BK35581

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.071	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	113		%	2	12/11/15	AW	30 - 150 %
% TCMX	107		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.035	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0035	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.0071	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	89		%	2	12/11/15	CE	30 - 150 %
% TCMX	86		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 4-6 FT

Phoenix I.D.: BK35581

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	0.11	S 0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	0.0062	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	0.0062	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	91		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	98		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	99		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 4-6 FT

Phoenix I.D.: BK35581

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.57	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.72	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	ND	0.25	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.36	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	63		%	1	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-3 4-6 FT

Phoenix I.D.: BK35581

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	71		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	64		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	63		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	77		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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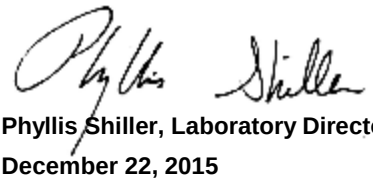


Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:35
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35582

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	5230	57	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	9.5	3.8	mg/Kg	1	12/11/15	LK	SW6010C
Arsenic	13.0	0.8	mg/Kg	1	12/11/15	EK	SW6010C
Barium	451	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.48	0.30	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	15700	57	mg/Kg	10	12/11/15	EK	SW6010C
Cadmium	3.71	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	24.6	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	5.91	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Copper	1380	3.8	mg/kg	10	12/11/15	EK	SW6010C
Iron	14900	57	mg/Kg	10	12/11/15	EK	SW6010C
Lead	2660	38	mg/Kg	100	12/14/15	LK	SW6010C
Magnesium	5620	57	mg/Kg	10	12/11/15	EK	SW6010C
Manganese	267	3.8	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	1.21	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	40.0	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	922	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/11/15	EK	SW6010C
Silver	1.22	0.38	mg/Kg	1	12/11/15	LK	SW6010C
Sodium	445	5.7	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.4	3.4	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	25.7	0.38	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	541	3.8	mg/Kg	10	12/11/15	EK	SW6010C
Percent Solid	90		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 0-2 FT

Phoenix I.D.: BK35582

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1221	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1232	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1242	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1248	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1254	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1260	0.085	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1262	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1268	ND	0.073	mg/Kg	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	92		%	2	12/21/15	AW	30 - 150 %
% TCMX	81		%	2	12/21/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.44	mg/Kg	200	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.44	mg/Kg	200	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
a-BHC	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
a-Chlordane	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Aldrin	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
b-BHC	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Chlordane	ND	3.6	mg/Kg	200	12/11/15	CE	SW8081B
d-BHC	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Dieldrin	ND	1.1	mg/Kg	200	12/11/15	CE	SW8081B
Endosulfan I	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
Endosulfan II	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
Endrin	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
Endrin ketone	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
g-BHC	ND	0.15	mg/Kg	200	12/11/15	CE	SW8081B
g-Chlordane	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Heptachlor	ND	0.36	mg/Kg	200	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.73	mg/Kg	200	12/11/15	CE	SW8081B
Methoxychlor	ND	3.6	mg/Kg	200	12/11/15	CE	SW8081B
Toxaphene	ND	15	mg/Kg	200	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	200	12/11/15	CE	30 - 150 %
% TCMX	Diluted Out		%	200	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 0-2 FT

Phoenix I.D.: BK35582

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
Styrene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.82	mg/Kg	50	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	1.6	mg/Kg	50	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0056	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	50	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	94		%	50	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	104		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	91		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2-Methylnaphthalene	4.1	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 0-2 FT

Phoenix I.D.: BK35582

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	5.9	mg/Kg	10	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Acenaphthene	15	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Acenaphthylene	5.5	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Acetophenone	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Aniline	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Anthracene	41	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Benz(a)anthracene	110	26	mg/Kg	100	12/11/15	DD	SW8270D	
Benzidine	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Benzo(a)pyrene	99	26	mg/Kg	100	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	99	26	mg/Kg	100	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	55	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	72	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Benzoic acid	ND	7.4	mg/Kg	10	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Carbazole	22	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Chrysene	120	26	mg/Kg	100	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	16	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Dibenzofuran	11	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Fluoranthene	250	26	mg/Kg	100	12/11/15	DD	SW8270D	
Fluorene	20	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Hexachloroethane	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	65	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Isophorone	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Naphthalene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Nitrobenzene	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
Phenanthrene	190	26	mg/Kg	100	12/11/15	DD	SW8270D	
Phenol	ND	2.6	mg/Kg	10	12/11/15	DD	SW8270D	
Pyrene	210	26	mg/Kg	100	12/11/15	DD	SW8270D	
Pyridine	ND	3.7	mg/Kg	10	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	Diluted Out		%	10	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE. Phoenix I.D.: BK35582
Client ID: SP-4 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	Diluted Out		%	10	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	10	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	10	12/11/15	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	10	12/11/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	10	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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

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

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

Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:45
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35583

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	4300	49	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.2	3.2	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	1.1	0.6	mg/Kg	1	12/11/15	EK	SW6010C
Barium	19.0	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.33	0.26	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	713	4.9	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.32	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	9.18	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	4.13	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Copper	8.69	0.32	mg/kg	1	12/11/15	EK	SW6010C
Iron	9710	49	mg/Kg	10	12/11/15	EK	SW6010C
Lead	5.84	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	1930	4.9	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	289	3.2	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.02	0.02	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	17.6	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	505	4.9	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.32	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	51.4	4.9	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 2.9	2.9	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	14.3	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	16.8	0.32	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	99		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 4-6 FT

Phoenix I.D.: BK35583

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.067	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	88		%	2	12/11/15	AW	30 - 150 %
% TCMX	86		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	0.0025	0.002	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.002	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	0.0038	0.002	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.033	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0033	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.0067	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.033	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	81		%	2	12/11/15	CE	30 - 150 %
% TCMX	77		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 4-6 FT

Phoenix I.D.: BK35583

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.0092	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0092	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.0092	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.0092	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0092	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0046	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	96		%	1	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	100		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	99		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 4-6 FT

Phoenix I.D.: BK35583

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.67	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	0.29	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	0.27	0.23	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.33	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	64		%	1	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-4 4-6 FT

Phoenix I.D.: BK35583

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	71		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	73		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	63		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	76		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	80		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

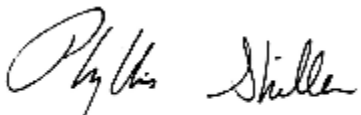
Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	9:40
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35584

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	12800	63	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 4.2	4.2	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	5.7	0.8	mg/Kg	1	12/11/15	EK	SW6010C
Barium	57.4	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.37	0.33	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	2490	6.3	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	1.01	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	16.5	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	4.01	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Copper	28.5	0.42	mg/kg	1	12/11/15	EK	SW6010C
Iron	15500	63	mg/Kg	10	12/11/15	EK	SW6010C
Lead	73.6	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	1890	6.3	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	174	4.2	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	0.30	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	12.4	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	1030	6.3	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.7	1.7	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.42	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	76.6	6.3	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.8	3.8	mg/Kg	1	12/11/15	EK	SW6010C
Vanadium	25.9	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	158	0.42	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	81		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 0-2 FT

Phoenix I.D.: BK35584

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.08	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	57		%	2	12/11/15	AW	30 - 150 %
% TCMX	60		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0024	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.0024	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.0024	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.004	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.004	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.04	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.004	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0016	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.004	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.008	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.04	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.16	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	69		%	2	12/11/15	CE	30 - 150 %
% TCMX	55		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 0-2 FT

Phoenix I.D.: BK35584

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.032	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.032	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.032	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.013	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.013	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.013	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
o-Xylene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Styrene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.6	mg/Kg	50	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.013	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	1.2	mg/Kg	50	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0065	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	50	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	95		%	50	12/11/15	HM	70 - 130 %	
% Dibromofluoromethane	106		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	90		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 0-2 FT

Phoenix I.D.: BK35584

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	0.65	mg/Kg	1	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Acenaphthylene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Acetophenone	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Aniline	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Anthracene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benz(a)anthracene	0.46	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzidine	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(a)pyrene	0.45	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	0.45	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	0.45	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Benzoic acid	ND	0.82	mg/Kg	1	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Carbazole	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Chrysene	0.48	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Dibenzofuran	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Fluoranthene	0.96	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Fluorene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Hexachloroethane	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.33	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Isophorone	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Naphthalene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Nitrobenzene	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
Phenanthrene	0.6	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Phenol	ND	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Pyrene	0.76	0.29	mg/Kg	1	12/11/15	DD	SW8270D	
Pyridine	ND	0.41	mg/Kg	1	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94		%	1	12/11/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	80		%	1	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	48		%	1	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	78		%	1	12/11/15	DD	30 - 130 %
% Phenol-d5	69		%	1	12/11/15	DD	30 - 130 %
% Terphenyl-d14	76		%	1	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

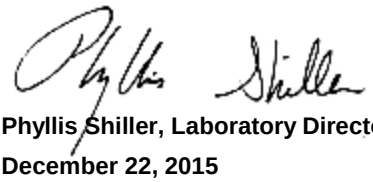
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	9:50
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35585

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 14.5-16.5 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	4270	55	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.7	3.7	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	2.0	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	32.3	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.32	0.30	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	825	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.37	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	19.3	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	5.76	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Copper	13.1	0.37	mg/kg	1	12/11/15	EK	SW6010C
Iron	11000	55	mg/Kg	10	12/11/15	EK	SW6010C
Lead	30.2	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	1870	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	317	3.7	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/11/15	RS	SW7471B
Nickel	42.9	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	812	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.5	1.5	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.37	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	96.2	5.5	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.3	3.3	mg/Kg	1	12/11/15	LK	SW6010C
Vanadium	14.8	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	28.1	0.37	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	94		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/11/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 14.5-16.5 FT

Phoenix I.D.: BK35585

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.07	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	86		%	2	12/11/15	AW	30 - 150 %
% TCMX	89		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	12/14/15	CE	SW8081B
4,4' -DDE	ND	0.0021	mg/Kg	2	12/14/15	CE	SW8081B
4,4' -DDT	ND	0.0021	mg/Kg	2	12/14/15	CE	SW8081B
a-BHC	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
a-Chlordane	ND	0.0035	mg/Kg	2	12/14/15	CE	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	12/14/15	CE	SW8081B
b-BHC	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Chlordane	ND	0.035	mg/Kg	2	12/14/15	CE	SW8081B
d-BHC	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	12/14/15	CE	SW8081B
Endosulfan I	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Endosulfan II	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Endosulfan sulfate	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Endrin	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Endrin aldehyde	ND	0.015	mg/Kg	2	12/14/15	CE	SW8081B
Endrin ketone	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/14/15	CE	SW8081B
g-Chlordane	ND	0.0035	mg/Kg	2	12/14/15	CE	SW8081B
Heptachlor	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Heptachlor epoxide	ND	0.007	mg/Kg	2	12/14/15	CE	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	12/14/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/14/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	72		%	2	12/14/15	CE	30 - 150 %
% TCMX	93		%	2	12/14/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-5 14.5-16.5 FT

Phoenix I.D.: BK35585

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2,4-Trimethylbenzene	4	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	1.4	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
2-Hexanone	0.039	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
4-Methyl-2-pentanone	0.055	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	2.3	mg/Kg	50	12/14/15	HM	SW8260C	
Acrylonitrile	ND	0.0094	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
Bromochloromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	0.015	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
Isopropylbenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
m&p-Xylene	0.083	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	0.14	0.023	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0094	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.0094	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	2.1	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
n-Butylbenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
o-Xylene	0.071	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
sec-Butylbenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
Styrene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.45	mg/Kg	50	12/14/15	HM	SW8260C	
Tetrachloroethene	0.026	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.0094	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	0.154	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.9	mg/Kg	50	12/14/15	HM	SW8260C	
Trichloroethene	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.0047	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	50	12/14/15	HM	70 - 130 %	
% Bromofluorobenzene	97		%	50	12/14/15	HM	70 - 130 %	
% Dibromofluoromethane	107		%	1	12/11/15	HM	70 - 130 %	
% Toluene-d8	87		%	1	12/11/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	11	mg/Kg	20	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Acenaphthene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Acenaphthylene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Acetophenone	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Aniline	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Anthracene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benz(a)anthracene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzidine	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(a)pyrene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Benzoic acid	ND	14	mg/Kg	20	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Carbazole	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Chrysene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Dibenzofuran	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Fluoranthene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Fluorene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachloroethane	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Isophorone	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Naphthalene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Nitrobenzene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
Phenanthrene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Phenol	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Pyrene	ND	5	mg/Kg	20	12/11/15	DD	SW8270D	
Pyridine	ND	7.1	mg/Kg	20	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	Diluted Out		%	20	12/11/15	DD	30 - 130 %	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	20	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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

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

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

Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:30
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35586

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	13500	52	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.4	3.4	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	18.6	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	387	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	1.43	0.28	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	45600	52	mg/Kg	10	12/11/15	EK	SW6010C
Cadmium	2.59	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	20.2	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	4.94	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Copper	145	3.4	mg/kg	10	12/11/15	EK	SW6010C
Iron	16300	52	mg/Kg	10	12/11/15	EK	SW6010C
Lead	861	3.4	mg/Kg	10	12/11/15	EK	SW6010C
Magnesium	11600	52	mg/Kg	10	12/11/15	EK	SW6010C
Manganese	689	3.4	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	0.38	0.03	mg/Kg	1	12/14/15	RS	SW7471B
Nickel	20.4	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	1820	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.4	1.4	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.34	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	743	5.2	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.1	3.1	mg/Kg	1	12/11/15	LK	SW6010C
Vanadium	42.6	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	541	3.4	mg/Kg	10	12/11/15	EK	SW6010C
Percent Solid	92		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/14/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 0-2 FT

Phoenix I.D.: BK35586

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1221	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1232	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1242	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1248	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1254	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1260	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1262	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
PCB-1268	ND	0.1	mg/Kg	2	12/21/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	54		%	2	12/21/15	AW	30 - 150 %
% TCMX	56		%	2	12/21/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.2	mg/Kg	100	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.3	mg/Kg	100	12/11/15	CE	SW8081B
4,4' -DDT	ND	0.11	mg/Kg	100	12/11/15	CE	SW8081B
a-BHC	ND	0.09	mg/Kg	100	12/11/15	CE	SW8081B
a-Chlordane	ND	0.18	mg/Kg	100	12/11/15	CE	SW8081B
Aldrin	ND	0.09	mg/Kg	100	12/11/15	CE	SW8081B
b-BHC	ND	0.09	mg/Kg	100	12/11/15	CE	SW8081B
Chlordane	ND	1.8	mg/Kg	100	12/11/15	CE	SW8081B
d-BHC	ND	0.18	mg/Kg	100	12/11/15	CE	SW8081B
Dieldrin	ND	0.29	mg/Kg	100	12/11/15	CE	SW8081B
Endosulfan I	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Endosulfan II	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Endrin	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Endrin aldehyde	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Endrin ketone	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
g-BHC	ND	0.17	mg/Kg	100	12/11/15	CE	SW8081B
g-Chlordane	ND	2	mg/Kg	100	12/11/15	CE	SW8081B
Heptachlor	ND	0.18	mg/Kg	100	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.36	mg/Kg	100	12/11/15	CE	SW8081B
Methoxychlor	ND	1.8	mg/Kg	100	12/11/15	CE	SW8081B
Toxaphene	ND	7.2	mg/Kg	100	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	Diluted Out		%	100	12/11/15	CE	30 - 150 %
% TCMX	Diluted Out		%	100	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 0-2 FT

Phoenix I.D.: BK35586

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	12/14/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/14/15	HM	SW8260C	
Acetone	ND	0.028	mg/Kg	1	12/14/15	HM	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/14/15	HM	SW8260C	
Benzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Bromobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Bromochloromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Bromodichloromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Bromoform	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Bromomethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Carbon Disulfide	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Chlorobenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Chloroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Chloroform	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Chloromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Dibromochloromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Dibromomethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Ethylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Isopropylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
m&p-Xylene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/14/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/14/15	HM	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/14/15	HM	SW8260C	
Naphthalene	1.2	0.6	mg/Kg	50	12/14/15	HM	SW8260C	
n-Butylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
o-Xylene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Styrene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Tetrachloroethene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/14/15	HM	SW8260C	1
Toluene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Total Xylenes	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/14/15	HM	SW8260C	
Trichloroethene	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
Vinyl chloride	ND	0.0055	mg/Kg	1	12/14/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93		%	1	12/14/15	HM	70 - 130 %	
% Bromofluorobenzene	90		%	1	12/14/15	HM	70 - 130 %	
% Dibromofluoromethane	98		%	1	12/14/15	HM	70 - 130 %	
% Toluene-d8	102		%	1	12/14/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dichlorophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dimethylphenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dinitrophenol	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2-Chloronaphthalene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2-Chlorophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2-Methylnaphthalene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
2-Nitroaniline	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
2-Nitrophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
3-Nitroaniline	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
4-Chloroaniline	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 0-2 FT

Phoenix I.D.: BK35586

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
4-Nitroaniline	ND	11	mg/Kg	20	12/11/15	DD	SW8270D	
4-Nitrophenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Acenaphthene	9.6	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Acenaphthylene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Acetophenone	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Aniline	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
Anthracene	33	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benz(a)anthracene	100	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzidine	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(a)pyrene	95	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(b)fluoranthene	100	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(ghi)perylene	49	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzo(k)fluoranthene	73	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Benzoic acid	ND	14	mg/Kg	20	12/11/15	DD	SW8270D	1
Benzyl butyl phthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Carbazole	15	7	mg/Kg	20	12/11/15	DD	SW8270D	
Chrysene	100	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Dibenz(a,h)anthracene	8.8	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Dibenzofuran	7.3	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Diethyl phthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Dimethylphthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Di-n-butylphthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Di-n-octylphthalate	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Fluoranthene	270	25	mg/Kg	100	12/14/15	DD	SW8270D	
Fluorene	9.6	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorobutadiene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Hexachloroethane	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	60	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Isophorone	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Naphthalene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Nitrobenzene	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
Pentachloronitrobenzene	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
Pentachlorophenol	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
Phenanthrene	180	25	mg/Kg	100	12/14/15	DD	SW8270D	
Phenol	ND	4.9	mg/Kg	20	12/11/15	DD	SW8270D	
Pyrene	220	25	mg/Kg	100	12/14/15	DD	SW8270D	
Pyridine	ND	7	mg/Kg	20	12/11/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	Diluted Out		%	20	12/11/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE. Phoenix I.D.: BK35586
Client ID: SP-6 0-2 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% 2-Fluorophenol	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Nitrobenzene-d5	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Phenol-d5	Diluted Out		%	20	12/11/15	DD	30 - 130 %
% Terphenyl-d14	Diluted Out		%	20	12/11/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

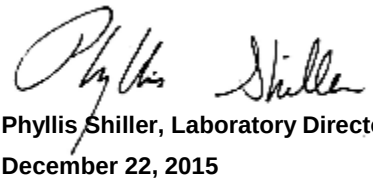
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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

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.



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	11:40
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35587

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 4-6 FT

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Aluminum	6770	50	mg/Kg	10	12/11/15	EK	SW6010C
Antimony	< 3.4	3.4	mg/Kg	1	12/11/15	EK	SW6010C
Arsenic	2.7	0.7	mg/Kg	1	12/11/15	EK	SW6010C
Barium	25.2	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Beryllium	0.42	0.27	mg/Kg	1	12/11/15	EK	SW6010C
Calcium	1750	5.0	mg/Kg	1	12/11/15	EK	SW6010C
Cadmium	< 0.34	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Chromium	15.7	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Cobalt	5.98	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Copper	19.8	0.34	mg/kg	1	12/11/15	EK	SW6010C
Iron	12400	50	mg/Kg	10	12/11/15	EK	SW6010C
Lead	11.6	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Magnesium	3130	5.0	mg/Kg	1	12/11/15	EK	SW6010C
Manganese	234	3.4	mg/Kg	10	12/11/15	EK	SW6010C
Mercury	< 0.03	0.03	mg/Kg	1	12/14/15	RS	SW7471B
Nickel	23.5	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Potassium	963	5.0	mg/Kg	1	12/11/15	EK	SW6010C
Selenium	< 1.3	1.3	mg/Kg	1	12/11/15	EK	SW6010C
Silver	< 0.34	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Sodium	86.0	5.0	mg/Kg	1	12/11/15	EK	SW6010C
Thallium	< 3.0	3.0	mg/Kg	1	12/11/15	LK	SW6010C
Vanadium	20.2	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Zinc	32.6	0.34	mg/Kg	1	12/11/15	EK	SW6010C
Percent Solid	94		%		12/10/15	W	SW846-%Solid
Soil Extraction for PCB	Completed				12/10/15	BC	SW3545A
Soil Extraction for Pesticide	Completed				12/10/15	BC/V	SW3545A
Soil Extraction for SVOA	Completed				12/10/15	BJ/CKV	SW3545A
Mercury Digestion	Completed				12/14/15	W/W	SW7471B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 4-6 FT

Phoenix I.D.: BK35587

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed				12/10/15	G/AG	SW3050B
Field Extraction	Completed				12/10/15		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1221	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1232	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1242	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1248	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1254	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1260	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1262	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
PCB-1268	ND	0.069	mg/Kg	2	12/11/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	91		%	2	12/11/15	AW	30 - 150 %
% TCMX	93		%	2	12/11/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDE	ND	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
4,4' -DDT	0.0045	0.0021	mg/Kg	2	12/11/15	CE	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
a-Chlordane	ND	0.0034	mg/Kg	2	12/11/15	CE	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	12/11/15	CE	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Chlordane	ND	0.034	mg/Kg	2	12/11/15	CE	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Endrin	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Endrin aldehyde	0.008	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	12/11/15	CE	SW8081B
g-Chlordane	ND	0.0034	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	12/11/15	CE	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	12/11/15	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	12/11/15	CE	SW8081B
QA/QC Surrogates							
% DCBP	88		%	2	12/11/15	CE	30 - 150 %
% TCMX	77		%	2	12/11/15	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 4-6 FT

Phoenix I.D.: BK35587

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
2-Chlorotoluene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	12/12/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	12/12/15	HM	SW8260C	
Acetone	ND	0.028	mg/Kg	1	12/12/15	HM	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	12/12/15	HM	SW8260C	
Benzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Bromobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Bromochloromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Bromodichloromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Bromoform	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Bromomethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Carbon Disulfide	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Carbon tetrachloride	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Chlorobenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Chloroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Chloroform	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Chloromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Dibromochloromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Dibromomethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Ethylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Isopropylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
m&p-Xylene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	12/12/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	12/12/15	HM	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	12/12/15	HM	SW8260C	
Naphthalene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
n-Butylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
o-Xylene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
sec-Butylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Styrene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
tert-Butylbenzene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Tetrachloroethene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	12/12/15	HM	SW8260C	1
Toluene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Total Xylenes	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	12/12/15	HM	SW8260C	
Trichloroethene	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
Vinyl chloride	ND	0.0056	mg/Kg	1	12/12/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	1	12/12/15	HM	70 - 130 %	
% Bromofluorobenzene	97		%	1	12/12/15	HM	70 - 130 %	
% Dibromofluoromethane	99		%	1	12/12/15	HM	70 - 130 %	
% Toluene-d8	102		%	1	12/12/15	HM	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2-Chloronaphthalene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2-Chlorophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2-Methylnaphthalene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
2-Nitroaniline	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
2-Nitrophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
3-Nitroaniline	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
4-Chloroaniline	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 4-6 FT

Phoenix I.D.: BK35587

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
4-Nitroaniline	ND	0.56	mg/Kg	1	12/10/15	DD	SW8270D	
4-Nitrophenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Acenaphthene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Acenaphthylene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Acetophenone	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Aniline	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Anthracene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benz(a)anthracene	0.35	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzidine	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzo(a)pyrene	0.36	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzo(b)fluoranthene	0.34	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzo(ghi)perylene	0.27	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzo(k)fluoranthene	0.37	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Benzoic acid	ND	0.7	mg/Kg	1	12/10/15	DD	SW8270D	1
Benzyl butyl phthalate	0.32	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Carbazole	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Chrysene	0.4	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Dibenzofuran	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Diethyl phthalate	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Dimethylphthalate	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Di-n-butylphthalate	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Di-n-octylphthalate	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Fluoranthene	0.72	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Fluorene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Hexachlorobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Hexachlorobutadiene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Hexachloroethane	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.26	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Isophorone	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Naphthalene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Nitrobenzene	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Pentachlorophenol	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
Phenanthrene	0.46	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Phenol	ND	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Pyrene	0.62	0.25	mg/Kg	1	12/10/15	DD	SW8270D	
Pyridine	ND	0.35	mg/Kg	1	12/10/15	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	70		%	1	12/10/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: SP-6 4-6 FT

Phoenix I.D.: BK35587

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	77		%	1	12/10/15	DD	30 - 130 %
% 2-Fluorophenol	55		%	1	12/10/15	DD	30 - 130 %
% Nitrobenzene-d5	67		%	1	12/10/15	DD	30 - 130 %
% Phenol-d5	69		%	1	12/10/15	DD	30 - 130 %
% Terphenyl-d14	71		%	1	12/10/15	DD	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
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

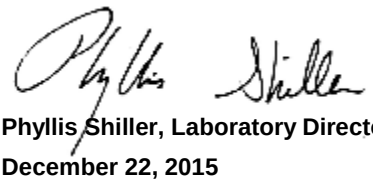
Comments:

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

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

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



Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35588

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				12/10/15		SW5035A	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1,1-Trichloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1,2-Trichloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1-Dichloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1-Dichloroethene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
2-Hexanone	ND	1.3	mg/Kg	50	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BK35588

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1.3	mg/Kg	50	12/11/15	HM	SW8260C	
Acetone	ND	5	mg/Kg	50	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.5	mg/Kg	50	12/11/15	HM	SW8260C	
Benzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Bromoform	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Bromomethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Chloroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Chloroform	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Chloromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	3	mg/Kg	50	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.5	mg/Kg	50	12/11/15	HM	SW8260C	
Naphthalene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
n-Propylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
o-Xylene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Styrene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.5	mg/Kg	50	12/11/15	HM	SW8260C	1
Toluene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.5	mg/Kg	50	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.25	mg/Kg	50	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	50	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	97		%	50	12/11/15	HM	70 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK HIGH

Phoenix I.D.: BK35588

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	97		%	50	12/11/15	HM	70 - 130 %
% Toluene-d8	102		%	50	12/11/15	HM	70 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

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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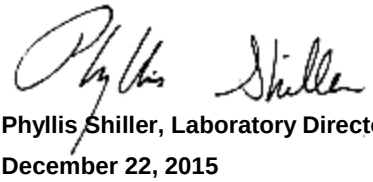

Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 22, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/10/15	
Location Code:	HYDROBRO	Received by:	LB	12/10/15	16:13
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6130				

Laboratory Data

SDG ID: GBK35576
Phoenix ID: BK35589

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				12/10/15		SW5035A	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloroethene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,1-Dichloropropene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dibromoethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,2-Dichloropropane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,3-Dichloropropane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
2,2-Dichloropropane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
2-Chlorotoluene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
2-Hexanone	ND	0.025	mg/Kg	1	12/11/15	HM	SW8260C	
2-Isopropyltoluene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	1
4-Chlorotoluene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK LOW

Phoenix I.D.: BK35589

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	12/11/15	HM	SW8260C	
Acetone	ND	0.025	mg/Kg	1	12/11/15	HM	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	12/11/15	HM	SW8260C	
Benzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Bromobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Bromochloromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Bromodichloromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Bromoform	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Bromomethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon Disulfide	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Carbon tetrachloride	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Chlorobenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Chloroform	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Chloromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromochloromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Dibromomethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Ethylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Hexachlorobutadiene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Isopropylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
m&p-Xylene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	12/11/15	HM	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	12/11/15	HM	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	12/11/15	HM	SW8260C	
Naphthalene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
n-Butylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
n-Propylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
o-Xylene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
p-Isopropyltoluene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
sec-Butylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Styrene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
tert-Butylbenzene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrachloroethene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	12/11/15	HM	SW8260C	1
Toluene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Total Xylenes	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	12/11/15	HM	SW8260C	
Trichloroethene	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorofluoromethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
Vinyl chloride	ND	0.005	mg/Kg	1	12/11/15	HM	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95		%	1	12/11/15	HM	70 - 130 %	
% Bromofluorobenzene	96		%	1	12/11/15	HM	70 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TRIP BLANK LOW

Phoenix I.D.: BK35589

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	99		%	1	12/11/15	HM	70 - 130 %
% Toluene-d8	101		%	1	12/11/15	HM	70 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

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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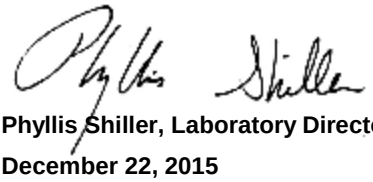

Phyllis Shiller, Laboratory Director
December 22, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

QA/QC Report

December 22, 2015

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 329219 (mg/kg), QC Sample No: BK35576 (BK35576, BK35577, BK35578, BK35579, BK35580, BK35581, BK35582, BK35583, BK35584, BK35585, BK35586, BK35587)														
ICP Metals - Soil														
Aluminum	BRL	5.0	6290	5490	13.6	95.2	97.1	2.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	3.3	<35	<36	NC	93.0	79.4	15.8	79.6	80.5	1.1	75 - 125	30	
Arsenic	BRL	0.67	12.4	12.9	4.00	114	93.1	20.2	84.5	85.3	0.9	75 - 125	30	
Barium	BRL	0.33	113	166	38.0	104	96.0	8.0	87.6	80.9	8.0	75 - 125	30	r
Beryllium	BRL	0.27	0.41	0.47	NC	118	91.7	25.1	88.2	88.2	0.0	75 - 125	30	
Cadmium	BRL	0.33	0.82	0.68	NC	98.7	86.4	13.3	83.4	83.8	0.5	75 - 125	30	
Calcium	BRL	5.0	6670	4930	30.0	103	95.3	7.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	0.33	10.2	11.2	9.30	99.6	93.0	6.9	90.4	90.9	0.6	75 - 125	30	
Cobalt	BRL	0.33	5.11	6.23	19.8	109	89.3	19.9	87.2	87.7	0.6	75 - 125	30	
Copper	BRL	0.33	235	228	3.00	122	96.1	23.8	103	106	2.9	75 - 125	30	
Iron	BRL	5.0	14400	12800	11.8	93.6	98.8	5.4	NC	NC	NC	75 - 125	30	
Lead	BRL	0.33	854	1270	39.2	120	95.2	23.0	98.9	119	18.4	75 - 125	30	r
Magnesium	BRL	5.0	1950	2460	23.1	88.0	87.5	0.6	NC	NC	NC	75 - 125	30	
Manganese	BRL	0.33	159	128	21.6	103	98.0	5.0	103	113	9.3	75 - 125	30	
Nickel	BRL	0.33	18.3	19.1	4.30	112	89.3	22.6	87.4	88.7	1.5	75 - 125	30	
Potassium	BRL	5.0	510	580	12.8	110	105	4.7	>130	>130	NC	75 - 125	30	m
Selenium	BRL	1.3	<1.4	<1.4	NC	98.9	87.4	12.3	97.2	94.3	3.0	75 - 125	30	
Silver	BRL	0.33	0.36	0.38	NC	98.4	94.3	4.3	91.9	91.2	0.8	75 - 125	30	
Sodium	BRL	5.0	115	86	28.9	98.2	88.4	10.5	114	103	10.1	75 - 125	30	
Thallium	BRL	3.0	<3.2	<3.1	NC	91.9	>130	NC	84.1	84.4	0.4	75 - 125	30	l
Vanadium	BRL	0.33	16.3	19.8	19.4	111	91.6	19.2	91.4	92.4	1.1	75 - 125	30	
Zinc	BRL	0.33	347	362	4.20	120	92.0	26.4	82.6	84.6	2.4	75 - 125	30	
QA/QC Batch 329262 (mg/kg), QC Sample No: BK35583 (BK35576, BK35577, BK35578, BK35579, BK35580, BK35581, BK35582, BK35583, BK35584, BK35585)														
Mercury - Soil	BRL	0.06	<0.02	<0.03	NC	99.0	110	10.5	105	107	1.9	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 329441 (mg/kg), QC Sample No: BK35587 (BK35587)														
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	92.0	101	9.3	105	111	5.6	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 329440 (mg/kg), QC Sample No: BK36586 (BK35586)														
Mercury - Soil	BRL	0.06	<0.03	<0.02	NC	101	102	1.0	111	110	0.9	70 - 130	30	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														

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.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 22, 2015

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 329202 (mg/Kg), QC Sample No: BK35387 (BK35576, BK35577, BK35578, BK35579, BK35580, BK35581, BK35582, BK35583, BK35584, BK35585, BK35586)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	0.23	72	68	5.7	79	74	6.5	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	73	66	10.1	76	69	9.7	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	54	47	13.9	56	50	11.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	61	62	1.6	62	65	4.7	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	53	46	14.1	55	48	13.6	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	51	44	14.7	52	48	8.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	72	72	0.0	77	74	4.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	65	65	0.0	70	70	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	81	80	1.2	87	80	8.4	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	72	69	4.3	71	67	5.8	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	<10	<10	NC	86	58	38.9	30 - 130	30	l,r
2,4-Dinitrotoluene	ND	0.13	66	68	3.0	69	65	6.0	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	66	65	1.5	69	66	4.4	30 - 130	30	
2-Chloronaphthalene	ND	0.23	69	66	4.4	72	71	1.4	30 - 130	30	
2-Chlorophenol	ND	0.23	67	59	12.7	69	63	9.1	30 - 130	30	
2-Methylnaphthalene	ND	0.23	75	70	6.9	83	79	4.9	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	76	67	12.6	75	71	5.5	30 - 130	30	
2-Nitroaniline	ND	0.33	59	61	3.3	58	52	10.9	30 - 130	30	
2-Nitrophenol	ND	0.23	60	57	5.1	64	58	9.8	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	76	68	11.1	75	70	6.9	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	68	69	1.5	39	41	5.0	30 - 130	30	
3-Nitroaniline	ND	0.33	71	70	1.4	66	69	4.4	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	19	21	10.0	94	67	33.5	30 - 130	30	l,r
4-Bromophenyl phenyl ether	ND	0.23	68	67	1.5	69	69	0.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	81	79	2.5	85	83	2.4	30 - 130	30	
4-Chloroaniline	ND	0.23	67	66	1.5	65	63	3.1	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	65	65	0.0	67	66	1.5	30 - 130	30	
4-Nitroaniline	ND	0.23	64	62	3.2	63	60	4.9	30 - 130	30	
4-Nitrophenol	ND	0.23	59	53	10.7	60	59	1.7	30 - 130	30	
Acenaphthene	ND	0.23	66	63	4.7	71	69	2.9	30 - 130	30	
Acenaphthylene	ND	0.13	64	62	3.2	70	69	1.4	30 - 130	30	
Acetophenone	ND	0.23	59	52	12.6	61	56	8.5	30 - 130	30	
Aniline	ND	0.33	67	61	9.4	60	54	10.5	30 - 130	30	
Anthracene	ND	0.23	71	70	1.4	77	76	1.3	30 - 130	30	
Benz(a)anthracene	ND	0.23	67	67	0.0	72	70	2.8	30 - 130	30	
Benzidine	ND	0.33	45	53	16.3	<10	<10	NC	30 - 130	30	m
Benzo(a)pyrene	ND	0.13	70	69	1.4	78	71	9.4	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	72	75	4.1	86	79	8.5	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	66	68	3.0	53	59	10.7	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	70	67	4.4	81	58	33.1	30 - 130	30	r

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzoic Acid	ND	0.33	<10	<10	NC	65	51	24.1	30 - 130	30
Benzyl butyl phthalate	ND	0.23	67	65	3.0	68	65	4.5	30 - 130	30
Bis(2-chloroethoxy)methane	ND	0.23	75	69	8.3	78	73	6.6	30 - 130	30
Bis(2-chloroethyl)ether	ND	0.13	57	50	13.1	57	53	7.3	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	0.23	48	43	11.0	45	43	4.5	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	0.23	71	70	1.4	71	70	1.4	30 - 130	30
Carbazole	ND	0.33	70	71	1.4	75	72	4.1	30 - 130	30
Chrysene	ND	0.23	72	75	4.1	82	77	6.3	30 - 130	30
Dibenz(a,h)anthracene	ND	0.13	66	67	1.5	61	60	1.7	30 - 130	30
Dibenzofuran	ND	0.23	65	64	1.6	71	68	4.3	30 - 130	30
Diethyl phthalate	ND	0.23	75	74	1.3	78	74	5.3	30 - 130	30
Dimethylphthalate	ND	0.23	65	67	3.0	68	63	7.6	30 - 130	30
Di-n-butylphthalate	ND	0.23	72	70	2.8	77	69	11.0	30 - 130	30
Di-n-octylphthalate	ND	0.23	71	72	1.4	72	69	4.3	30 - 130	30
Fluoranthene	ND	0.23	73	74	1.4	92	81	12.7	30 - 130	30
Fluorene	ND	0.23	72	69	4.3	74	74	0.0	30 - 130	30
Hexachlorobenzene	ND	0.13	64	65	1.6	65	68	4.5	30 - 130	30
Hexachlorobutadiene	ND	0.23	64	60	6.5	70	61	13.7	30 - 130	30
Hexachlorocyclopentadiene	ND	0.23	68	61	10.9	62	57	8.4	30 - 130	30
Hexachloroethane	ND	0.13	52	45	14.4	54	47	13.9	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	0.23	68	69	1.5	59	64	8.1	30 - 130	30
Isophorone	ND	0.13	68	64	6.1	70	65	7.4	30 - 130	30
Naphthalene	ND	0.23	72	67	7.2	84	76	10.0	30 - 130	30
Nitrobenzene	ND	0.13	57	53	7.3	60	55	8.7	30 - 130	30
N-Nitrosodimethylamine	ND	0.23	46	41	11.5	50	44	12.8	30 - 130	30
N-Nitrosodi-n-propylamine	ND	0.13	67	57	16.1	66	62	6.3	30 - 130	30
N-Nitrosodiphenylamine	ND	0.13	69	66	4.4	72	71	1.4	30 - 130	30
Pentachloronitrobenzene	ND	0.23	64	63	1.6	69	65	6.0	30 - 130	30
Pentachlorophenol	ND	0.23	39	47	18.6	71	65	8.8	30 - 130	30
Phenanthrene	ND	0.13	70	69	1.4	86	75	13.7	30 - 130	30
Phenol	ND	0.23	83	71	15.6	81	76	6.4	30 - 130	30
Pyrene	ND	0.23	76	76	0.0	94	84	11.2	30 - 130	30
Pyridine	ND	0.23	31	31	0.0	42	33	24.0	30 - 130	30
% 2,4,6-Tribromophenol	36	%	54	54	0.0	56	55	1.8	30 - 130	30
% 2-Fluorobiphenyl	46	%	61	58	5.0	62	60	3.3	30 - 130	30
% 2-Fluorophenol	46	%	65	57	13.1	62	57	8.4	30 - 130	30
% Nitrobenzene-d5	38	%	56	49	13.3	56	52	7.4	30 - 130	30
% Phenol-d5	48	%	74	64	14.5	69	68	1.5	30 - 130	30
% Terphenyl-d14	52	%	72	70	2.8	73	71	2.8	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 329216 (mg/Kg), QC Sample No: BK35579 2X (BK35576, BK35577, BK35578, BK35579, BK35580, BK35581, BK35582, BK35583, BK35584, BK35585, BK35586, BK35587)

Pesticides - Soil

4,4' -DDD	ND	0.0017	70	70	0.0	71	76	6.8	40 - 140	30
4,4' -DDE	ND	0.0017	71	75	5.5	78	93	17.5	40 - 140	30
4,4' -DDT	ND	0.0017	69	72	4.3	72	76	5.4	40 - 140	30
a-BHC	ND	0.001	88	89	1.1	94	98	4.2	40 - 140	30
a-Chlordane	ND	0.0033	74	75	1.3	75	81	7.7	40 - 140	30
Aldrin	ND	0.001	86	80	7.2	81	87	7.1	40 - 140	30
b-BHC	ND	0.001	83	80	3.7	89	93	4.4	40 - 140	30

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlordane	ND	0.033	66	67	1.5	69	72	4.3	40 - 140	30	
d-BHC	ND	0.0033	72	76	5.4	78	86	9.8	40 - 140	30	
Dieldrin	ND	0.001	96	99	3.1	99	105	5.9	40 - 140	30	
Endosulfan I	ND	0.0033	77	82	6.3	82	89	8.2	40 - 140	30	
Endosulfan II	ND	0.0033	73	75	2.7	76	80	5.1	40 - 140	30	
Endosulfan sulfate	ND	0.0033	65	71	8.8	67	71	5.8	40 - 140	30	
Endrin	ND	0.0033	77	80	3.8	79	84	6.1	40 - 140	30	
Endrin aldehyde	ND	0.0033	68	69	1.5	73	75	2.7	40 - 140	30	
Endrin ketone	ND	0.0033	74	77	4.0	30	77	87.9	40 - 140	30	r
g-BHC	ND	0.001	80	81	1.2	82	88	7.1	40 - 140	30	
g-Chlordane	ND	0.0033	66	67	1.5	69	72	4.3	40 - 140	30	
Heptachlor	ND	0.0033	74	83	11.5	76	89	15.8	40 - 140	30	
Heptachlor epoxide	ND	0.0033	82	83	1.2	82	88	7.1	40 - 140	30	
Methoxychlor	ND	0.0033	67	71	5.8	70	75	6.9	40 - 140	30	
Toxaphene	ND	0.13	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	77	%	76	82	7.6	81	86	6.0	30 - 150	30	
% TCMX	60	%	71	66	7.3	79	74	6.5	30 - 150	30	

QA/QC Batch 329215 (mg/Kg), QC Sample No: BK35579 2X (BK35576, BK35577, BK35578, BK35579, BK35580, BK35581, BK35582, BK35583, BK35584, BK35585, BK35586, BK35587)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	0.033	105	104	1.0	87	86	1.2	40 - 140	30	
PCB-1221	ND	0.033							40 - 140	30	
PCB-1232	ND	0.033							40 - 140	30	
PCB-1242	ND	0.033							40 - 140	30	
PCB-1248	ND	0.033							40 - 140	30	
PCB-1254	ND	0.033							40 - 140	30	
PCB-1260	ND	0.033	111	99	11.4	86	91	5.6	40 - 140	30	
PCB-1262	ND	0.033							40 - 140	30	
PCB-1268	ND	0.033							40 - 140	30	
% DCBP (Surrogate Rec)	96	%	113	101	11.2	89	96	7.6	30 - 150	30	
% TCMX (Surrogate Rec)	89	%	103	108	4.7	88	87	1.1	30 - 150	30	

QA/QC Batch 329218 (mg/Kg), QC Sample No: BK35587 (BK35587)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	0.23	76	74	2.7	76	75	1.3	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	75	71	5.5	75	71	5.5	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	66	64	3.1	65	62	4.7	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	74	70	5.6	73	73	0.0	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	63	61	3.2	62	58	6.7	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	63	62	1.6	63	61	3.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	88	82	7.1	86	85	1.2	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	87	81	7.1	85	84	1.2	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	84	79	6.1	84	82	2.4	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	78	75	3.9	82	76	7.6	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	<10	<10	NC	60	68	12.5	30 - 130	30	l
2,4-Dinitrotoluene	ND	0.13	85	80	6.1	83	84	1.2	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	86	79	8.5	84	82	2.4	30 - 130	30	
2-Chloronaphthalene	ND	0.23	75	74	1.3	76	75	1.3	30 - 130	30	
2-Chlorophenol	ND	0.23	73	71	2.8	76	70	8.2	30 - 130	30	
2-Methylnaphthalene	ND	0.23	76	73	4.0	78	76	2.6	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	76	75	1.3	80	75	6.5	30 - 130	30	
2-Nitroaniline	ND	0.33	79	71	10.7	81	80	1.2	30 - 130	30	
2-Nitrophenol	ND	0.23	78	74	5.3	77	74	4.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3&4-Methylphenol (m&p-cresol)	ND	0.23	75	73	2.7	79	74	6.5	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	84	73	14.0	85	84	1.2	30 - 130	30	
3-Nitroaniline	ND	0.33	81	73	10.4	80	80	0.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	18	12	40.0	106	94	12.0	30 - 130	30	l,r
4-Bromophenyl phenyl ether	ND	0.23	88	84	4.7	87	84	3.5	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	85	83	2.4	87	85	2.3	30 - 130	30	
4-Chloroaniline	ND	0.23	73	70	4.2	74	72	2.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	80	77	3.8	79	79	0.0	30 - 130	30	
4-Nitroaniline	ND	0.23	82	77	6.3	81	81	0.0	30 - 130	30	
4-Nitrophenol	ND	0.23	83	74	11.5	84	84	0.0	30 - 130	30	
Acenaphthene	ND	0.23	78	75	3.9	78	79	1.3	30 - 130	30	
Acenaphthylene	ND	0.13	75	73	2.7	76	75	1.3	30 - 130	30	
Acetophenone	ND	0.23	72	69	4.3	72	70	2.8	30 - 130	30	
Aniline	ND	0.33	64	61	4.8	61	58	5.0	30 - 130	30	
Anthracene	ND	0.23	83	79	4.9	85	83	2.4	30 - 130	30	
Benz(a)anthracene	ND	0.23	86	76	12.3	78	76	2.6	30 - 130	30	
Benzidine	ND	0.33	45	40	11.8	46	36	24.4	30 - 130	30	
Benzo(a)pyrene	ND	0.13	82	74	10.3	74	72	2.7	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	81	72	11.8	75	73	2.7	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	87	78	10.9	80	79	1.3	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	81	75	7.7	70	71	1.4	30 - 130	30	
Benzoic Acid	ND	0.33	<10	<10	NC	12	19	45.2	30 - 130	30	l,m,r
Benzyl butyl phthalate	ND	0.23	88	78	12.0	77	78	1.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	76	74	2.7	77	74	4.0	30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	66	65	1.5	63	60	4.9	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	56	55	1.8	58	55	5.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	90	80	11.8	89	88	1.1	30 - 130	30	
Carbazole	ND	0.33	83	77	7.5	83	82	1.2	30 - 130	30	
Chrysene	ND	0.23	87	78	10.9	80	77	3.8	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	86	78	9.8	85	84	1.2	30 - 130	30	
Dibenzofuran	ND	0.23	82	79	3.7	80	80	0.0	30 - 130	30	
Diethyl phthalate	ND	0.23	77	74	4.0	77	76	1.3	30 - 130	30	
Dimethylphthalate	ND	0.23	83	79	4.9	81	80	1.2	30 - 130	30	
Di-n-butylphthalate	ND	0.23	87	81	7.1	85	83	2.4	30 - 130	30	
Di-n-octylphthalate	ND	0.23	87	78	10.9	85	84	1.2	30 - 130	30	
Fluoranthene	ND	0.23	83	79	4.9	73	69	5.6	30 - 130	30	
Fluorene	ND	0.23	77	75	2.6	78	78	0.0	30 - 130	30	
Hexachlorobenzene	ND	0.13	79	78	1.3	81	80	1.2	30 - 130	30	
Hexachlorobutadiene	ND	0.23	77	73	5.3	75	72	4.1	30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	79	72	9.3	76	72	5.4	30 - 130	30	
Hexachloroethane	ND	0.13	61	59	3.3	61	58	5.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	85	76	11.2	80	78	2.5	30 - 130	30	
Isophorone	ND	0.13	71	69	2.9	73	69	5.6	30 - 130	30	
Naphthalene	ND	0.23	75	71	5.5	77	75	2.6	30 - 130	30	
Nitrobenzene	ND	0.13	69	68	1.5	70	68	2.9	30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	64	61	4.8	64	61	4.8	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	0.13	66	65	1.5	69	67	2.9	30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	85	80	6.1	80	80	0.0	30 - 130	30	
Pentachloronitrobenzene	ND	0.23	83	77	7.5	82	81	1.2	30 - 130	30	
Pentachlorophenol	ND	0.23	65	49	28.1	79	78	1.3	30 - 130	30	
Phenanthrene	ND	0.13	82	78	5.0	76	74	2.7	30 - 130	30	
Phenol	ND	0.23	69	68	1.5	70	67	4.4	30 - 130	30	
Pyrene	ND	0.23	83	78	6.2	74	70	5.6	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyridine	ND	0.23	42	41	2.4	44	43	2.3	30 - 130	30
% 2,4,6-Tribromophenol	55	%	78	71	9.4	79	77	2.6	30 - 130	30
% 2-Fluorobiphenyl	65	%	73	71	2.8	74	73	1.4	30 - 130	30
% 2-Fluorophenol	49	%	65	64	1.6	64	61	4.8	30 - 130	30
% Nitrobenzene-d5	55	%	67	65	3.0	68	65	4.5	30 - 130	30
% Phenol-d5	57	%	69	67	2.9	70	67	4.4	30 - 130	30
% Terphenyl-d14	71	%	81	76	6.4	79	78	1.3	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 329291 (mg/Kg), QC Sample No: BK35743 (BK35576, BK35577, BK35578, BK35579, BK35581, BK35582, BK35583, BK35584)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	122	122	0.0	118	116	1.7	70 - 130	30
1,1,1-Trichloroethane	ND	0.005	124	124	0.0	122	121	0.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.003	126	129	2.4	117	115	1.7	70 - 130	30
1,1,2-Trichloroethane	ND	0.005	115	118	2.6	107	107	0.0	70 - 130	30
1,1-Dichloroethane	ND	0.005	122	123	0.8	120	119	0.8	70 - 130	30
1,1-Dichloroethene	ND	0.005	128	129	0.8	121	120	0.8	70 - 130	30
1,1-Dichloropropene	ND	0.005	127	126	0.8	121	121	0.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	0.005	108	104	3.8	81	80	1.2	70 - 130	30
1,2,3-Trichloropropane	ND	0.005	117	118	0.9	109	109	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	0.005	108	100	7.7	80	82	2.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	0.001	118	113	4.3	107	109	1.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	0.005	118	121	2.5	104	102	1.9	70 - 130	30
1,2-Dibromoethane	ND	0.005	122	122	0.0	111	110	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	0.005	115	112	2.6	103	104	1.0	70 - 130	30
1,2-Dichloroethane	ND	0.005	118	119	0.8	115	114	0.9	70 - 130	30
1,2-Dichloropropane	ND	0.005	122	122	0.0	114	114	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	0.001	125	122	2.4	117	118	0.9	70 - 130	30
1,3-Dichlorobenzene	ND	0.005	115	111	3.5	103	105	1.9	70 - 130	30
1,3-Dichloropropane	ND	0.005	121	123	1.6	113	113	0.0	70 - 130	30
1,4-Dichlorobenzene	ND	0.005	112	108	3.6	100	102	2.0	70 - 130	30
2,2-Dichloropropane	ND	0.005	121	124	2.4	121	121	0.0	70 - 130	30
2-Chlorotoluene	ND	0.005	121	119	1.7	114	114	0.0	70 - 130	30
2-Hexanone	ND	0.025	111	117	5.3	92	92	0.0	70 - 130	30
2-Isopropyltoluene	ND	0.005	127	125	1.6	117	118	0.9	70 - 130	30
4-Chlorotoluene	ND	0.005	118	115	2.6	107	109	1.9	70 - 130	30
4-Methyl-2-pentanone	ND	0.025	114	119	4.3	100	102	2.0	70 - 130	30
Acetone	ND	0.01	85	89	4.6	80	78	2.5	70 - 130	30
Acrylonitrile	ND	0.005	122	130	6.3	112	110	1.8	70 - 130	30
Benzene	ND	0.001	125	124	0.8	118	117	0.9	70 - 130	30
Bromobenzene	ND	0.005	120	118	1.7	110	109	0.9	70 - 130	30
Bromochloromethane	ND	0.005	118	119	0.8	113	113	0.0	70 - 130	30
Bromodichloromethane	ND	0.005	125	124	0.8	117	118	0.9	70 - 130	30
Bromoform	ND	0.005	122	123	0.8	110	111	0.9	70 - 130	30
Bromomethane	ND	0.005	117	120	2.5	117	119	1.7	70 - 130	30
Carbon Disulfide	ND	0.005	130	130	0.0	121	120	0.8	70 - 130	30
Carbon tetrachloride	ND	0.005	123	126	2.4	123	122	0.8	70 - 130	30
Chlorobenzene	ND	0.005	119	118	0.8	110	110	0.0	70 - 130	30
Chloroethane	ND	0.005	121	121	0.0	121	123	1.6	70 - 130	30
Chloroform	ND	0.005	118	120	1.7	117	116	0.9	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloromethane	ND	0.005	120	120	0.0	113	113	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	119	123	3.3	113	115	1.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	120	120	0.0	109	110	0.9	70 - 130	30	
Dibromochloromethane	ND	0.003	125	124	0.8	115	114	0.9	70 - 130	30	
Dibromomethane	ND	0.005	118	117	0.9	111	110	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	125	125	0.0	115	113	1.8	70 - 130	30	
Ethylbenzene	ND	0.001	125	124	0.8	118	117	0.9	70 - 130	30	
Hexachlorobutadiene	ND	0.005	124	117	5.8	93	96	3.2	70 - 130	30	
Isopropylbenzene	ND	0.001	128	127	0.8	122	122	0.0	70 - 130	30	
m&p-Xylene	ND	0.002	122	120	1.7	114	114	0.0	70 - 130	30	
Methyl ethyl ketone	ND	0.005	103	108	4.7	97	92	5.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	120	121	0.8	113	113	0.0	70 - 130	30	
Methylene chloride	ND	0.005	123	124	0.8	112	111	0.9	70 - 130	30	
Naphthalene	ND	0.005	113	114	0.9	87	84	3.5	70 - 130	30	
n-Butylbenzene	ND	0.001	121	114	6.0	104	110	5.6	70 - 130	30	
n-Propylbenzene	ND	0.001	118	114	3.4	110	112	1.8	70 - 130	30	
o-Xylene	ND	0.002	125	124	0.8	117	116	0.9	70 - 130	30	
p-Isopropyltoluene	ND	0.001	126	121	4.0	114	117	2.6	70 - 130	30	
sec-Butylbenzene	ND	0.001	132	129	2.3	121	123	1.6	70 - 130	30	l
Styrene	ND	0.005	125	123	1.6	113	112	0.9	70 - 130	30	
tert-Butylbenzene	ND	0.001	127	127	0.0	120	120	0.0	70 - 130	30	
Tetrachloroethene	ND	0.005	121	119	1.7	114	116	1.7	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	118	124	5.0	109	108	0.9	70 - 130	30	
Toluene	ND	0.001	123	121	1.6	115	114	0.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	127	127	0.0	121	120	0.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	120	119	0.8	107	108	0.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	126	129	2.4	113	112	0.9	70 - 130	30	
Trichloroethene	ND	0.005	123	122	0.8	117	117	0.0	70 - 130	30	
Trichlorofluoromethane	ND	0.005	122	123	0.8	122	122	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	128	130	1.6	125	121	3.3	70 - 130	30	
Vinyl chloride	ND	0.005	131	129	1.5	121	120	0.8	70 - 130	30	l
% 1,2-dichlorobenzene-d4	101	%	100	100	0.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	96	%	101	102	1.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	98	%	99	98	1.0	99	100	1.0	70 - 130	30	
% Toluene-d8	98	%	101	100	1.0	100	99	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 329571 (mg/Kg), QC Sample No: BK36033 (BK35585 (50X) , BK35586 (50X))

Volatiles - Soil

1,1,2,2-Tetrachloroethane	ND	0.003	90	91	1.1	97	102	5.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	88	89	1.1	54	58	7.1	70 - 130	30	m
1,2,3-Trichloropropane	ND	0.005	87	89	2.3	95	98	3.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	89	91	2.2	59	65	9.7	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	0.001	89	90	1.1	86	93	7.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	73	78	6.6	73	79	7.9	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	86	89	3.4	81	87	7.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	92	95	3.2	90	98	8.5	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	90	91	1.1	83	90	8.1	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	89	90	1.1	82	89	8.2	70 - 130	30	
2-Chlorotoluene	ND	0.005	92	93	1.1	91	100	9.4	70 - 130	30	
2-Isopropyltoluene	ND	0.005	91	92	1.1	83	91	9.2	70 - 130	30	
4-Chlorotoluene	ND	0.005	90	92	2.2	89	98	9.6	70 - 130	30	

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetone	ND	0.01	68	67	1.5	66	65	1.5	70 - 130	30	l,m
Bromobenzene	ND	0.005	86	88	2.3	91	97	6.4	70 - 130	30	
Hexachlorobutadiene	ND	0.005	89	91	2.2	41	50	19.8	70 - 130	30	m
Isopropylbenzene	ND	0.001	90	92	2.2	95	100	5.1	70 - 130	30	
Naphthalene	ND	0.005	88	89	1.1	67	71	5.8	70 - 130	30	m
n-Butylbenzene	ND	0.001	95	97	2.1	74	82	10.3	70 - 130	30	
n-Propylbenzene	ND	0.001	88	90	2.2	86	94	8.9	70 - 130	30	
p-Isopropyltoluene	ND	0.001	93	93	0.0	79	89	11.9	70 - 130	30	
sec-Butylbenzene	ND	0.001	95	96	1.0	84	93	10.2	70 - 130	30	
tert-Butylbenzene	ND	0.001	90	92	2.2	86	94	8.9	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	87	87	0.0	84	86	2.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	96	96	0.0	96	96	0.0	70 - 130	30	
% Bromofluorobenzene	98	%	97	99	2.0	95	94	1.1	70 - 130	30	

Comment:

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

QA/QC Batch 329447 (mg/Kg), QC Sample No: BK36564 (BK35587)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	0.005	93	101	8.2	91	95	4.3	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	98	108	9.7	95	105	10.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	110	111	0.9	106	106	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	94	100	6.2	92	94	2.2	70 - 130	30	
1,1-Dichloroethane	ND	0.005	103	111	7.5	101	109	7.6	70 - 130	30	
1,1-Dichloroethene	ND	0.005	96	108	11.8	92	105	13.2	70 - 130	30	
1,1-Dichloropropene	ND	0.005	99	108	8.7	93	104	11.2	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	100	105	4.9	89	91	2.2	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	115	107	7.2	100	101	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	100	106	5.8	84	90	6.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	95	104	9.0	90	96	6.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	100	99	1.0	85	88	3.5	70 - 130	30	
1,2-Dibromoethane	ND	0.005	99	101	2.0	96	95	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	97	104	7.0	92	94	2.2	70 - 130	30	
1,2-Dichloroethane	ND	0.005	99	103	4.0	97	100	3.0	70 - 130	30	
1,2-Dichloropropane	ND	0.005	97	104	7.0	96	101	5.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	99	108	8.7	93	101	8.2	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	97	104	7.0	92	96	4.3	70 - 130	30	
1,3-Dichloropropane	ND	0.005	99	105	5.9	99	98	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	97	101	4.0	90	95	5.4	70 - 130	30	
2,2-Dichloropropane	ND	0.005	98	109	10.6	88	96	8.7	70 - 130	30	
2-Chlorotoluene	ND	0.005	99	106	6.8	95	101	6.1	70 - 130	30	
2-Hexanone	ND	0.025	97	93	4.2	81	84	3.6	70 - 130	30	
2-Isopropyltoluene	ND	0.005	98	108	9.7	93	99	6.3	70 - 130	30	
4-Chlorotoluene	ND	0.005	98	105	6.9	93	97	4.2	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	101	98	3.0	87	89	2.3	70 - 130	30	
Acetone	ND	0.01	90	86	4.5	86	87	1.2	70 - 130	30	
Acrylonitrile	ND	0.005	112	107	4.6	97	98	1.0	70 - 130	30	
Benzene	ND	0.001	96	105	9.0	93	100	7.3	70 - 130	30	
Bromobenzene	ND	0.005	97	103	6.0	93	97	4.2	70 - 130	30	
Bromochloromethane	ND	0.005	100	103	3.0	97	103	6.0	70 - 130	30	
Bromodichloromethane	ND	0.005	96	104	8.0	94	99	5.2	70 - 130	30	
Bromoform	ND	0.005	92	97	5.3	84	85	1.2	70 - 130	30	
Bromomethane	ND	0.005	97	103	6.0	94	102	8.2	70 - 130	30	
Carbon Disulfide	ND	0.005	106	116	9.0	98	111	12.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBK35576

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Carbon tetrachloride	ND	0.005	94	105	11.1	89	100	11.6	70 - 130	30
Chlorobenzene	ND	0.005	95	103	8.1	94	97	3.1	70 - 130	30
Chloroethane	ND	0.005	99	109	9.6	94	105	11.1	70 - 130	30
Chloroform	ND	0.005	98	106	7.8	97	104	7.0	70 - 130	30
Chloromethane	ND	0.005	113	118	4.3	104	112	7.4	70 - 130	30
cis-1,2-Dichloroethene	ND	0.005	98	107	8.8	95	103	8.1	70 - 130	30
cis-1,3-Dichloropropene	ND	0.005	96	100	4.1	90	94	4.3	70 - 130	30
Dibromochloromethane	ND	0.003	94	101	7.2	90	91	1.1	70 - 130	30
Dibromomethane	ND	0.005	98	100	2.0	95	96	1.0	70 - 130	30
Dichlorodifluoromethane	ND	0.005	117	128	9.0	109	120	9.6	70 - 130	30
Ethylbenzene	ND	0.001	96	103	7.0	91	98	7.4	70 - 130	30
Hexachlorobutadiene	ND	0.005	101	107	5.8	81	89	9.4	70 - 130	30
Isopropylbenzene	ND	0.001	97	104	7.0	94	101	7.2	70 - 130	30
m&p-Xylene	ND	0.002	94	101	7.2	90	96	6.5	70 - 130	30
Methyl ethyl ketone	ND	0.005	106	101	4.8	86	89	3.4	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	0.001	105	109	3.7	103	105	1.9	70 - 130	30
Methylene chloride	ND	0.005	93	100	7.3	92	95	3.2	70 - 130	30
Naphthalene	ND	0.005	110	112	1.8	95	98	3.1	70 - 130	30
n-Butylbenzene	ND	0.001	104	112	7.4	89	99	10.6	70 - 130	30
n-Propylbenzene	ND	0.001	93	102	9.2	89	96	7.6	70 - 130	30
o-Xylene	ND	0.002	93	101	8.2	92	97	5.3	70 - 130	30
p-Isopropyltoluene	ND	0.001	100	109	8.6	91	99	8.4	70 - 130	30
sec-Butylbenzene	ND	0.001	103	113	9.3	95	104	9.0	70 - 130	30
Styrene	ND	0.005	94	103	9.1	93	96	3.2	70 - 130	30
tert-Butylbenzene	ND	0.001	97	106	8.9	91	99	8.4	70 - 130	30
Tetrachloroethene	ND	0.005	92	100	8.3	85	95	11.1	70 - 130	30
Tetrahydrofuran (THF)	ND	0.005	116	109	6.2	98	102	4.0	70 - 130	30
Toluene	ND	0.001	95	103	8.1	88	96	8.7	70 - 130	30
trans-1,2-Dichloroethene	ND	0.005	98	108	9.7	93	103	10.2	70 - 130	30
trans-1,3-Dichloropropene	ND	0.005	95	99	4.1	89	92	3.3	70 - 130	30
trans-1,4-dichloro-2-butene	ND	0.005	106	109	2.8	90	91	1.1	70 - 130	30
Trichloroethene	ND	0.005	95	104	9.0	90	100	10.5	70 - 130	30
Trichlorofluoromethane	ND	0.005	104	114	9.2	98	110	11.5	70 - 130	30
Trichlorotrifluoroethane	ND	0.005	99	108	8.7	95	105	10.0	70 - 130	30
Vinyl chloride	ND	0.005	104	110	5.6	93	106	13.1	70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	96	97	1.0	97	96	1.0	70 - 130	30
% Bromofluorobenzene	96	%	98	98	0.0	100	97	3.0	70 - 130	30
% Dibromofluoromethane	97	%	102	101	1.0	102	102	0.0	70 - 130	30
% Toluene-d8	101	%	101	102	1.0	102	101	1.0	70 - 130	30

Comment:

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

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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 22, 2015

Sample Criteria Exceedences Report

GBK35576 - HYDROBRO

Criteria: NY: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK35576	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2900	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2500	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1900	260	500	500	ug/Kg
BK35576	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1600	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	3000	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	2600	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3000	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	800	800	ug/Kg
BK35576	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	260	1000	1000	ug/Kg
BK35576	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	500	500	ug/Kg
BK35576	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2900	260	1000	1000	ug/Kg
BK35576	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.3	2.2	3.3	3.3	ug/Kg
BK35576	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	235	3.5	50	50	mg/kg
BK35576	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.29	0.03	0.18	0.18	mg/Kg
BK35576	PB-SM	Lead	NY / 375-6.8 Metals / Residential	854	3.5	400	400	mg/Kg
BK35576	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	854	3.5	63	63	mg/Kg
BK35576	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	347	3.5	109	109	mg/Kg
BK35577	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	40.5	0.32	30	30	mg/Kg
BK35578	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.2	0.36	50	50	mg/kg
BK35578	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.19	0.03	0.18	0.18	mg/Kg
BK35578	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	130	0.36	63	63	mg/Kg
BK35578	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	117	0.36	109	109	mg/Kg
BK35579	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	40.9	0.35	30	30	mg/Kg
BK35580	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	11	2.1	3.3	3.3	ug/Kg
BK35580	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	52.6	0.35	50	50	mg/kg
BK35580	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.26	0.03	0.18	0.18	mg/Kg
BK35580	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	350	3.5	63	63	mg/Kg
BK35580	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	329	3.5	109	109	mg/Kg
BK35581	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	110	28	50	50	ug/Kg
BK35582	$8270-SMR	Dibenzofuran	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	11000	2600	7000	7000	ug/Kg
BK35582	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	16000	2600	330	330	ug/Kg
BK35582	$8270-SMR	Pyrene	NY / 375-6.8 Semivolatiles / Residential	210000	26000	100000	100000	ug/Kg
BK35582	$8270-SMR	Phenanthrene	NY / 375-6.8 Semivolatiles / Residential	190000	26000	100000	100000	ug/Kg
BK35582	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3700	2400	2400	ug/Kg
BK35582	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	65000	2600	500	500	ug/Kg
BK35582	$8270-SMR	Fluoranthene	NY / 375-6.8 Semivolatiles / Residential	250000	26000	100000	100000	ug/Kg

Sample Criteria Exceedences Report

GBK35576 - HYDROBRO

Criteria: NY: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK35582	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	120000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	110000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	72000	2600	1000	1000	ug/Kg
BK35582	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	99000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	99000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	120000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	72000	2600	800	800	ug/Kg
BK35582	$8270-SMR	Pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	210000	26000	100000	100000	ug/Kg
BK35582	$8270-SMR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BK35582	$8270-SMR	Phenanthrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	190000	26000	100000	100000	ug/Kg
BK35582	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3700	800	800	ug/Kg
BK35582	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	65000	2600	500	500	ug/Kg
BK35582	$8270-SMR	Fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	250000	26000	100000	100000	ug/Kg
BK35582	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	99000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	16000	2600	330	330	ug/Kg
BK35582	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	110000	26000	1000	1000	ug/Kg
BK35582	$8270-SMR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BK35582	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	99000	26000	1000	1000	ug/Kg
BK35582	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Residential	ND	360	97	97	ug/Kg
BK35582	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Residential	ND	360	72	72	ug/Kg
BK35582	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Residential	ND	1100	39	39	ug/Kg
BK35582	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Residential	ND	360	19	19	ug/Kg
BK35582	$PESTSM_NY	g-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	150	100	100	ug/Kg
BK35582	$PESTSM_NY	d-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	40	40	ug/Kg
BK35582	$PESTSM_NY	Heptachlor	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	42	42	ug/Kg
BK35582	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	14	14	ug/Kg
BK35582	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	1100	5	5	ug/Kg
BK35582	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	5	5	ug/Kg
BK35582	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	20	20	ug/Kg
BK35582	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	3.3	3.3	ug/Kg
BK35582	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	440	3.3	3.3	ug/Kg
BK35582	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	440	3.3	3.3	ug/Kg
BK35582	$PESTSM_NY	a-Chlordane	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	94	94	ug/Kg
BK35582	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	36	36	ug/Kg
BK35582	BA-SM	Barium	NY / 375-6.8 Metals / Residential	451	0.38	350	350	mg/Kg
BK35582	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	451	0.38	350	350	mg/Kg
BK35582	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	3.71	0.38	2.5	2.5	mg/Kg
BK35582	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.71	0.38	2.5	2.5	mg/Kg
BK35582	CU-SM	Copper	NY / 375-6.8 Metals / Residential	1380	3.8	270	270	mg/kg
BK35582	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	1380	3.8	50	50	mg/kg
BK35582	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.21	0.03	0.81	0.81	mg/Kg
BK35582	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.21	0.03	0.18	0.18	mg/Kg

Sample Criteria Exceedences Report

GBK35576 - HYDROBRO

Criteria: NY: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK35582	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	40.0	0.38	30	30	mg/Kg
BK35582	PB-SM	Lead	NY / 375-6.8 Metals / Residential	2660	38	400	400	mg/Kg
BK35582	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2660	38	63	63	mg/Kg
BK35582	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	541	3.8	109	109	mg/Kg
BK35583	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.8	2.0	3.3	3.3	ug/Kg
BK35584	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.03	0.18	0.18	mg/Kg
BK35584	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	73.6	0.42	63	63	mg/Kg
BK35584	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	158	0.42	109	109	mg/Kg
BK35585	$8260SMRNY	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	140	23	120	120	ug/Kg
BK35585	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2300	50	50	ug/Kg
BK35585	$8260SMRNY	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	4000	450	3600	3600	ug/Kg
BK35585	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	500	500	ug/Kg
BK35585	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	330	330	ug/Kg
BK35585	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	7100	2400	2400	ug/Kg
BK35585	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	330	330	ug/Kg
BK35585	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	7100	800	800	ug/Kg
BK35585	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	330	330	ug/Kg
BK35585	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	800	800	ug/Kg
BK35585	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	330	330	ug/Kg
BK35585	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	1000	1000	ug/Kg
BK35585	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	5000	500	500	ug/Kg
BK35585	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	42.9	0.37	30	30	mg/Kg
BK35586	$8270-SMR	Dibenzofuran	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7300	4900	7000	7000	ug/Kg
BK35586	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	95000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Fluoranthene	NY / 375-6.8 Semivolatiles / Residential	270000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	7000	2400	2400	ug/Kg
BK35586	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	100000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	73000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Phenanthrene	NY / 375-6.8 Semivolatiles / Residential	180000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	100000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	100000	4900	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBK35576 - HYDROBRO

Criteria: NY: 375, 375RS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK35586	$8270-SMR	Pyrene	NY / 375-6.8 Semivolatiles / Residential	220000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	60000	4900	500	500	ug/Kg
BK35586	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	8800	4900	330	330	ug/Kg
BK35586	$8270-SMR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	7000	800	800	ug/Kg
BK35586	$8270-SMR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	4900	330	330	ug/Kg
BK35586	$8270-SMR	Pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	220000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	60000	4900	500	500	ug/Kg
BK35586	$8270-SMR	Phenanthrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	180000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	100000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	73000	4900	800	800	ug/Kg
BK35586	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	100000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	95000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	100000	4900	1000	1000	ug/Kg
BK35586	$8270-SMR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	4900	330	330	ug/Kg
BK35586	$8270-SMR	Fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	270000	25000	100000	100000	ug/Kg
BK35586	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8800	4900	330	330	ug/Kg
BK35586	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Residential	ND	290	39	39	ug/Kg
BK35586	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Residential	ND	90	72	72	ug/Kg
BK35586	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Residential	ND	90	19	19	ug/Kg
BK35586	$PESTSM_NY	Heptachlor	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	180	42	42	ug/Kg
BK35586	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	90	36	36	ug/Kg
BK35586	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	290	5	5	ug/Kg
BK35586	$PESTSM_NY	g-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	170	100	100	ug/Kg
BK35586	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	360	14	14	ug/Kg
BK35586	$PESTSM_NY	a-Chlordane	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	180	94	94	ug/Kg
BK35586	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	90	20	20	ug/Kg
BK35586	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	110	3.3	3.3	ug/Kg
BK35586	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	300	3.3	3.3	ug/Kg
BK35586	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	200	3.3	3.3	ug/Kg
BK35586	$PESTSM_NY	d-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	180	40	40	ug/Kg
BK35586	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	90	5	5	ug/Kg
BK35586	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	18.6	0.7	16	16	mg/Kg
BK35586	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	18.6	0.7	13	13	mg/Kg
BK35586	BA-SM	Barium	NY / 375-6.8 Metals / Residential	387	0.34	350	350	mg/Kg
BK35586	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	387	0.34	350	350	mg/Kg
BK35586	CD-SM	Cadmium	NY / 375-6.8 Metals / Residential	2.59	0.34	2.5	2.5	mg/Kg
BK35586	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	2.59	0.34	2.5	2.5	mg/Kg
BK35586	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	145	3.4	50	50	mg/kg
BK35586	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.38	0.03	0.18	0.18	mg/Kg
BK35586	PB-SM	Lead	NY / 375-6.8 Metals / Residential	861	3.4	400	400	mg/Kg
BK35586	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	861	3.4	63	63	mg/Kg
BK35586	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	541	3.4	109	109	mg/Kg

Sample Criteria Exceedences Report

GBK35576 - HYDROBRO

Criteria: NY: 375, 375RS, GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK35587	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.5	2.1	3.3	3.3	ug/Kg

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 22, 2015

SDG I.D.: GBK35576

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

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [ ]
Temp 4 °C Pg 1 of 1

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: Andrew@hydrotechenvironmental.com

Customer: Hydro Tech Environmental Corp
Address: 15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Project: 150299 - 1353 Flatbush Ave
Report to: AJ Infante, Andrew@hydrotechenvironmental.com
Invoice to: Muslima Ward, MWard@hydrotechenvironmental.com

Project P.O: 150299

This section MUST be completed with Bottle Quantities.

Sampler's Signature
Date: 12/10/15

Client Sample - Information - Identification

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

Analysis Request: VOCs 8260 | SVOCs 8270 | PCBs 8081/8082 | Pesticides 8081/8082 | TAL Metals 6010/7471

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [1] methanol [1] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
355576	SP-1 (0-2')	S	12/9/15	11:05	3	2								
355577	SP-1 (14.5-16.5')	S	12/9/15	11:15	3	2								
355578	SP-2 (0-2')	S	12/10/15	10:30	3	2								
355579	SP-2 (14.5-16.5')	S	12/10/15	10:40	3	2								
355580	SP-3 (0-2')	S	12/10/15	12:20	3	2								
355581	SP-3 (4-6')	S	12/10/15	12:30	3	2								
355582	SP-4 (0-2')	S	12/9/15	11:35	3	2								
355583	SP-4 (4-6')	S	12/9/15	11:45	3	2								
355584	SP-5 (0-2')	S	12/10/15	09:40	3	2								
355585	SP-5 (14.5-16.5')	S	12/10/15	09:50	3	2								
355586	SP-6 (0-2')	S	12/10/15	11:30	3	2								

Relinquished by:	Accepted by:	Date:	Time:
		12-10-15	12:45
		12-10-15	16:13

Comments, Special Requirements or Regulations:

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

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

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

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

State where samples were collected: NY

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [ ] No [ ]

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4 °C Pg 2 of 2

PHOENIX *Environmental Laboratories, Inc.*

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

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: Andrew@hydrotechenvironmental.com

Customer: Hydro Tech Environmental, Corp.
Address: 15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Project: 150299-1353 Flatbush Ave
Report to: AJ Infante
Invoice to: Muslima Ward

Project P.O: 150299

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 12/10/15

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	PCBs 8082/608	Pesticides 8081/608	TAL Metals 6010/7471	Soil VOA Vials [ ] MeOH [2] H2O	GL Soil container (2) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
35587	SB-6 (4-6')	S	12/10/15	11:40	X	X	X	X	X		3	2							
35588	Fieldblank-1 HL	S	12/10/15		X						3								
35589	BICNICLL																		

Relinquished by:	Accepted by:	Date:	Time:
		12-10-15	12:45
		12-10-15	16:13

Comments, Special Requirements or Regulations:

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

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

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[X] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other _____

State where samples were collected: NY

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

APPENDIX I

PHOENIX
Environmental Laboratories, Inc.

Monday, December 21, 2015

Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Project ID: 150299-1353 FLATBUSH AVE.
Sample ID#s: BK38736 - BK38741

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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

NY # 11301

SDG Comments

December 21, 2015

SDG I.D.: GBK38736

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

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

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

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

8081 Pesticides:
Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

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

NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	9:28
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38736

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	1.19	0.010		mg/L	1	12/15/15	LK	SW6010C
Aluminum (Dissolved)	0.041	0.011		mg/L	1	12/15/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Barium	0.069	0.002		mg/L	1	12/15/15	LK	SW6010C
Barium (Dissolved)	0.060	0.002		mg/L	1	12/15/15	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium	30.1	0.010		mg/L	1	12/15/15	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium (Dissolved)	29.9	0.01		mg/L	1	12/15/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium	0.003	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Cobalt	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Copper	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Iron (Dissolved)	0.032	0.011		mg/L	1	12/15/15	LK	SW6010C
Iron	1.60	0.010		mg/L	1	12/15/15	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Lead	0.003	0.002		mg/L	1	12/16/15	EK	SW6010C
Magnesium (Dissolved)	10.8	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese (Dissolved)	0.513	0.001		mg/L	1	12/15/15	LK	SW6010C
Magnesium	11.8	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese	0.559	0.001		mg/L	1	12/15/15	LK	SW6010C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-1

Phoenix I.D.: BK38736

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A
Mercury	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A
Nickel (Dissolved)	0.069	0.001		mg/L	1	12/15/15	LK	SW6010C
Nickel	0.084	0.001		mg/L	1	12/15/15	LK	SW6010C
Potassium (Dissolved)	5.3	0.1		mg/L	1	12/15/15	LK	SW6010C
Potassium	5.8	0.1		mg/L	1	12/15/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002		mg/L	1	12/17/15	RS	E200.9/SM3113B-10
Selenium	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Silver	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Sodium (Dissolved)	143	1.1		mg/L	10	12/15/15	EK	SW6010C
Sodium	148	1.0		mg/L	10	12/17/15	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SW7010
Thallium	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SM3113B/SW7010-1
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Vanadium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Zinc (Dissolved)	0.003	0.002		mg/L	1	12/15/15	LK	SW6010C
Zinc	0.009	0.002		mg/L	1	12/15/15	LK	SW6010C
Filtration	Completed					12/14/15	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					12/16/15	W/W	SW7470A
Mercury Digestion	Completed					12/16/15	W/W	SW7470A
PCB Extraction (2 Liter)	Completed					12/14/15	L	SW3510C
Extraction for Pest (2 Liter)	Completed					12/14/15	L	SW3510C
Semi-Volatile Extraction	Completed					12/14/15	E/D/D	SW3520C
Dissolved Metals Preparation	Completed					12/14/15	AG	
Total Metals Digestion	Completed					12/14/15	AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
QA/QC Surrogates								
% DCBP	50			%	1	12/15/15	KCA	30 - 150 %
% TCMX	81			%	1	12/15/15	KCA	30 - 150 %
Pesticides								
4,4' -DDD	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
4,4' -DDE	ND	0.007		ug/L	1	12/16/15	CE	SW8081B
4,4' -DDT	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
a-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Alachlor	ND	0.075		ug/L	1	12/16/15	CE	SW8081B [1]
Aldrin	ND	0.002		ug/L	1	12/16/15	CE	SW8081B
b-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Chlordane	ND	0.050		ug/L	1	12/16/15	CE	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	1	12/16/15	CE	SW8081B	
Dieldrin	ND	0.004		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan II	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Endrin Aldehyde	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	12/16/15	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Methoxychlor	ND	0.10		ug/L	1	12/16/15	CE	SW8081B	
Toxaphene	ND	1.0		ug/L	1	12/16/15	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	44			%	1	12/16/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	56			%	1	12/16/15	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	12/14/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
Acetone	ND	25		ug/L	1	12/14/15	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	12/14/15	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Bromochloromethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	12/14/15	MH	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-1

Phoenix I.D.: BK38736

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Chloroform	2.2	1.0		ug/L	1	12/14/15	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	12/14/15	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	12/14/15	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	12/14/15	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	12/14/15	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	12/14/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	12/14/15	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	12/14/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	12/14/15	MH	70 - 130 %	
% Bromofluorobenzene	96			%	1	12/14/15	MH	70 - 130 %	
% Dibromofluoromethane	100			%	1	12/14/15	MH	70 - 130 %	
% Toluene-d8	98			%	1	12/14/15	MH	70 - 130 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-1

Phoenix I.D.: BK38736

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	12/16/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Aniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	12/16/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Phenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	109			%	1	12/16/15	DD	15 - 110 %
% 2-Fluorobiphenyl	67			%	1	12/16/15	DD	30 - 130 %
% 2-Fluorophenol	28			%	1	12/16/15	DD	15 - 110 %
% Nitrobenzene-d5	54			%	1	12/16/15	DD	30 - 130 %
% Phenol-d5	35			%	1	12/16/15	DD	15 - 110 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Terphenyl-d14	84			%	1	12/16/15	DD	30 - 130 %	
Semivolatiles (SIM)									
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	B
Chrysene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluoranthene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluorene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Naphthalene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Phenanthrene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyridine	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	109			%	1	12/16/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67			%	1	12/16/15	DD	30 - 130 %	
% 2-Fluorophenol	28			%	1	12/16/15	DD	15 - 110 %	
% Nitrobenzene-d5	54			%	1	12/16/15	DD	30 - 130 %	
% Phenol-d5	35			%	1	12/16/15	DD	15 - 110 %	
% Terphenyl-d14	84			%	1	12/16/15	DD	30 - 130 %	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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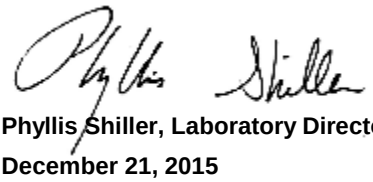


Phyllis Shiller, Laboratory Director
December 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	9:59
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38737

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	0.121	0.010		mg/L	1	12/15/15	LK	SW6010C
Aluminum (Dissolved)	0.072	0.011		mg/L	1	12/16/15	EK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Barium	0.099	0.002		mg/L	1	12/15/15	LK	SW6010C
Barium (Dissolved)	0.094	0.002		mg/L	1	12/15/15	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium	55.1	0.010		mg/L	1	12/15/15	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium (Dissolved)	54.3	0.01		mg/L	1	12/15/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Cobalt	0.004	0.002		mg/L	1	12/16/15	EK	SW6010C
Copper	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Cobalt (Dissolved)	0.004	0.001		mg/L	1	12/15/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Iron (Dissolved)	0.040	0.011		mg/L	1	12/15/15	LK	SW6010C
Iron	0.309	0.010		mg/L	1	12/15/15	LK	SW6010C
Lead (Dissolved)	0.004	0.002		mg/L	1	12/15/15	LK	SW6010C
Lead	0.004	0.002		mg/L	1	12/16/15	EK	SW6010C
Magnesium (Dissolved)	18.5	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese (Dissolved)	1.10	0.001		mg/L	1	12/15/15	LK	SW6010C
Magnesium	19.0	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese	1.13	0.001		mg/L	1	12/15/15	LK	SW6010C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-2

Phoenix I.D.: BK38737

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Mercury	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Nickel (Dissolved)	0.077	0.001		mg/L	1	12/15/15	LK	SW6010C	
Nickel	0.080	0.001		mg/L	1	12/15/15	LK	SW6010C	
Potassium (Dissolved)	6.0	0.1		mg/L	1	12/15/15	LK	SW6010C	
Potassium	6.8	0.1		mg/L	1	12/15/15	LK	SW6010C	
Selenium (Dissolved)	< 0.002	0.002		mg/L	1	12/17/15	RS	E200.9/SM3113B-10	
Selenium	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C	
Silver	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Silver (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Sodium (Dissolved)	79.7	1.1		mg/L	10	12/15/15	EK	SW6010C	
Sodium	81.2	1.0		mg/L	10	12/17/15	LK	SW6010C	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SW7010	
Thallium	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SM3113B/SW7010-1	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Vanadium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc (Dissolved)	0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc	0.005	0.002		mg/L	1	12/15/15	LK	SW6010C	
Filtration	Completed					12/14/15	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					12/14/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					12/14/15	L	SW3510C	
Semi-Volatile Extraction	Completed					12/14/15	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					12/14/15	AG		
Total Metals Digestion	Completed					12/14/15	AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1221	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1232	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1242	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1248	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1254	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1260	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1262	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1268	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
QA/QC Surrogates									
% DCBP	44			%	1	12/15/15	KCA	30 - 150 %	
% TCMX	75			%	1	12/15/15	KCA	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
4,4' -DDE	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
4,4' -DDT	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
a-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Alachlor	ND	0.075		ug/L	1	12/16/15	CE	SW8081B	1
Aldrin	ND	0.002		ug/L	1	12/16/15	CE	SW8081B	
b-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Chlordane	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	1	12/16/15	CE	SW8081B
Dieldrin	ND	0.002		ug/L	1	12/16/15	CE	SW8081B
Endosulfan I	ND	0.050		ug/L	1	12/16/15	CE	SW8081B
Endosulfan II	ND	0.050		ug/L	1	12/16/15	CE	SW8081B
Endosulfan Sulfate	ND	0.050		ug/L	1	12/16/15	CE	SW8081B
Endrin	ND	0.010		ug/L	1	12/16/15	CE	SW8081B
Endrin Aldehyde	ND	0.050		ug/L	1	12/16/15	CE	SW8081B
Endrin ketone	ND	0.050		ug/L	1	12/16/15	CE	SW8081B
g-BHC (Lindane)	ND	0.025		ug/L	1	12/16/15	CE	SW8081B
Heptachlor	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Heptachlor epoxide	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Methoxychlor	ND	0.10		ug/L	1	12/16/15	CE	SW8081B
Toxaphene	ND	1.0		ug/L	1	12/16/15	CE	SW8081B
QA/QC Surrogates								
%DCBP (Surrogate Rec)	96			%	1	12/16/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	85			%	1	12/16/15	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,1,1-Trichloroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0		ug/L	10	12/15/15	MH	SW8260C
1,1,2-Trichloroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,1-Dichloroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,1-Dichloroethene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,1-Dichloropropene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2,3-Trichlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2,3-Trichloropropane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2,4-Trichlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2,4-Trimethylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2-Dibromoethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2-Dichlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,2-Dichloroethane	ND	6.0		ug/L	10	12/15/15	MH	SW8260C
1,2-Dichloropropane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,3,5-Trimethylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,3-Dichlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,3-Dichloropropane	ND	10		ug/L	10	12/15/15	MH	SW8260C
1,4-Dichlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
2,2-Dichloropropane	ND	10		ug/L	10	12/15/15	MH	SW8260C
2-Chlorotoluene	ND	10		ug/L	10	12/15/15	MH	SW8260C
2-Hexanone	ND	50		ug/L	10	12/15/15	MH	SW8260C
2-Isopropyltoluene	ND	10		ug/L	10	12/15/15	MH	SW8260C 1
4-Chlorotoluene	ND	10		ug/L	10	12/15/15	MH	SW8260C
4-Methyl-2-pentanone	ND	50		ug/L	10	12/15/15	MH	SW8260C
Acetone	ND	250		ug/L	10	12/15/15	MH	SW8260C
Acrylonitrile	ND	50		ug/L	10	12/15/15	MH	SW8260C
Benzene	ND	7.0		ug/L	10	12/15/15	MH	SW8260C
Bromobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C
Bromochloromethane	ND	10		ug/L	10	12/15/15	MH	SW8260C
Bromodichloromethane	ND	5.0		ug/L	10	12/15/15	MH	SW8260C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-2

Phoenix I.D.: BK38737

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromoform	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Bromomethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Carbon Disulfide	ND	50		ug/L	10	12/15/15	MH	SW8260C	
Carbon tetrachloride	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Chlorobenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Chloroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Chloroform	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Chloromethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	4.0		ug/L	10	12/15/15	MH	SW8260C	
Dibromochloromethane	ND	5.0		ug/L	10	12/15/15	MH	SW8260C	
Dibromomethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Dichlorodifluoromethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Ethylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Hexachlorobutadiene	ND	4.0		ug/L	10	12/15/15	MH	SW8260C	
Isopropylbenzene	25	10		ug/L	10	12/15/15	MH	SW8260C	
m&p-Xylene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Methyl ethyl ketone	ND	50		ug/L	10	12/15/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Methylene chloride	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Naphthalene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
n-Butylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
n-Propylbenzene	39	10		ug/L	10	12/15/15	MH	SW8260C	
o-Xylene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
p-Isopropyltoluene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
sec-Butylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Styrene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
tert-Butylbenzene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Tetrachloroethene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	25		ug/L	10	12/15/15	MH	SW8260C	1
Toluene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Total Xylenes	ND	10		ug/L	10	12/15/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	4.0		ug/L	10	12/15/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	50		ug/L	10	12/15/15	MH	SW8260C	
Trichloroethene	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Trichlorofluoromethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	10		ug/L	10	12/15/15	MH	SW8260C	
Vinyl chloride	ND	10		ug/L	10	12/15/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	10	12/15/15	MH	70 - 130 %	
% Bromofluorobenzene	99			%	10	12/15/15	MH	70 - 130 %	
% Dibromofluoromethane	98			%	10	12/15/15	MH	70 - 130 %	
% Toluene-d8	99			%	10	12/15/15	MH	70 - 130 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-2

Phoenix I.D.: BK38737

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	12/16/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Aniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	12/16/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Phenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	109			%	1	12/16/15	DD	15 - 110 %
% 2-Fluorobiphenyl	61			%	1	12/16/15	DD	30 - 130 %
% 2-Fluorophenol	37			%	1	12/16/15	DD	15 - 110 %
% Nitrobenzene-d5	58			%	1	12/16/15	DD	30 - 130 %
% Phenol-d5	43			%	1	12/16/15	DD	15 - 110 %

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-2

Phoenix I.D.: BK38737

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Terphenyl-d14	69			%	1	12/16/15	DD	30 - 130 %	
Semivolatiles (SIM)									
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	B
Chrysene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluoranthene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluorene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Naphthalene	1.5	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Phenanthrene	0.06	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyridine	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	109			%	1	12/16/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	61			%	1	12/16/15	DD	30 - 130 %	
% 2-Fluorophenol	37			%	1	12/16/15	DD	15 - 110 %	
% Nitrobenzene-d5	58			%	1	12/16/15	DD	30 - 130 %	
% Phenol-d5	43			%	1	12/16/15	DD	15 - 110 %	
% Terphenyl-d14	69			%	1	12/16/15	DD	30 - 130 %	

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

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

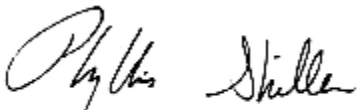
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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



Phyllis Shiller, Laboratory Director
December 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	10:50
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38738

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	0.465	0.010		mg/L	1	12/15/15	LK	SW6010C
Aluminum (Dissolved)	0.031	0.011		mg/L	1	12/15/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Barium	0.072	0.002		mg/L	1	12/15/15	LK	SW6010C
Barium (Dissolved)	0.066	0.002		mg/L	1	12/15/15	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium	47.4	0.010		mg/L	1	12/15/15	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium (Dissolved)	47.1	0.01		mg/L	1	12/15/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium	0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Cobalt	0.003	0.002		mg/L	1	12/16/15	EK	SW6010C
Copper	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Cobalt (Dissolved)	0.003	0.001		mg/L	1	12/15/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Iron (Dissolved)	< 0.011	0.011		mg/L	1	12/15/15	LK	SW6010C
Iron	0.647	0.010		mg/L	1	12/15/15	LK	SW6010C
Lead (Dissolved)	0.005	0.002		mg/L	1	12/15/15	LK	SW6010C
Lead	0.002	0.002		mg/L	1	12/16/15	EK	SW6010C
Magnesium (Dissolved)	14.6	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese (Dissolved)	0.957	0.001		mg/L	1	12/15/15	LK	SW6010C
Magnesium	15.1	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese	0.967	0.001		mg/L	1	12/15/15	LK	SW6010C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-3

Phoenix I.D.: BK38738

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A
Mercury	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A
Nickel (Dissolved)	0.061	0.001		mg/L	1	12/15/15	LK	SW6010C
Nickel	0.067	0.001		mg/L	1	12/15/15	LK	SW6010C
Potassium (Dissolved)	4.7	0.1		mg/L	1	12/15/15	LK	SW6010C
Potassium	5.2	0.1		mg/L	1	12/15/15	LK	SW6010C
Selenium (Dissolved)	< 0.002	0.002		mg/L	1	12/17/15	RS	E200.9/SM3113B-10
Selenium	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Silver	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Sodium (Dissolved)	98.6	1.1		mg/L	10	12/15/15	LK	SW6010C
Sodium	93.0	1.0		mg/L	10	12/15/15	EK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SW7010
Thallium	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SM3113B/SW7010-1
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Vanadium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Zinc (Dissolved)	0.003	0.002		mg/L	1	12/15/15	LK	SW6010C
Zinc	0.003	0.002		mg/L	1	12/15/15	LK	SW6010C
Filtration	Completed					12/14/15	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					12/16/15	W/W	SW7470A
Mercury Digestion	Completed					12/16/15	W/W	SW7470A
PCB Extraction (2 Liter)	Completed					12/14/15	L	SW3510C
Extraction for Pest (2 Liter)	Completed					12/14/15	L	SW3510C
Semi-Volatile Extraction	Completed					12/14/15	E/D/D	SW3520C
Dissolved Metals Preparation	Completed					12/14/15	AG	
Total Metals Digestion	Completed					12/14/15	AG	SW3050B
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A
QA/QC Surrogates								
% DCBP	38			%	1	12/15/15	KCA	30 - 150 %
% TCMX	63			%	1	12/15/15	KCA	30 - 150 %
Pesticides								
4,4' -DDD	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
4,4' -DDE	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
4,4' -DDT	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
a-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Alachlor	ND	0.075		ug/L	1	12/16/15	CE	SW8081B 1
Aldrin	ND	0.002		ug/L	1	12/16/15	CE	SW8081B
b-BHC	ND	0.005		ug/L	1	12/16/15	CE	SW8081B
Chlordane	ND	0.050		ug/L	1	12/16/15	CE	SW8081B

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-3

Phoenix I.D.: BK38738

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	1	12/16/15	CE	SW8081B	
Dieldrin	ND	0.002		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan II	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Endrin Aldehyde	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	12/16/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	12/16/15	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	12/16/15	CE	SW8081B	
Methoxychlor	ND	0.10		ug/L	1	12/16/15	CE	SW8081B	
Toxaphene	ND	1.0		ug/L	1	12/16/15	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	46			%	1	12/16/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	56			%	1	12/16/15	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Acetone	ND	25		ug/L	1	12/15/15	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	12/15/15	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromochloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	

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Client ID: MW-3

Phoenix I.D.: BK38738

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroform	11	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	12/15/15	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	12/15/15	MH	70 - 130 %	
% Bromofluorobenzene	94			%	1	12/15/15	MH	70 - 130 %	
% Dibromofluoromethane	99			%	1	12/15/15	MH	70 - 130 %	
% Toluene-d8	99			%	1	12/15/15	MH	70 - 130 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-3

Phoenix I.D.: BK38738

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	12/16/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Aniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	12/16/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Phenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	1	12/16/15	DD	15 - 110 %
% 2-Fluorobiphenyl	62			%	1	12/16/15	DD	30 - 130 %
% 2-Fluorophenol	36			%	1	12/16/15	DD	15 - 110 %
% Nitrobenzene-d5	66			%	1	12/16/15	DD	30 - 130 %
% Phenol-d5	45			%	1	12/16/15	DD	15 - 110 %

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: MW-3

Phoenix I.D.: BK38738

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Terphenyl-d14	93			%	1	12/16/15	DD	30 - 130 %	
Semivolatiles (SIM)									
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benz(a)anthracene	0.03	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	0.02	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	0.02	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	B
Chrysene	0.02	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluoranthene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluorene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Naphthalene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Phenanthrene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyrene	0.03	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyridine	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92			%	1	12/16/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	62			%	1	12/16/15	DD	30 - 130 %	
% 2-Fluorophenol	36			%	1	12/16/15	DD	15 - 110 %	
% Nitrobenzene-d5	66			%	1	12/16/15	DD	30 - 130 %	
% Phenol-d5	45			%	1	12/16/15	DD	15 - 110 %	
% Terphenyl-d14	93			%	1	12/16/15	DD	30 - 130 %	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	12:00
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38739

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011		mg/L	1	12/15/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Barium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Barium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium	0.028	0.010		mg/L	1	12/15/15	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium (Dissolved)	0.04	0.01		mg/L	1	12/15/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Cobalt	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Copper	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Iron (Dissolved)	< 0.011	0.011		mg/L	1	12/15/15	LK	SW6010C
Iron	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Lead	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Magnesium (Dissolved)	< 0.01	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Magnesium	< 0.01	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB-1

Phoenix I.D.: BK38739

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Mercury	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Nickel (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Nickel	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Potassium (Dissolved)	< 0.1	0.1		mg/L	1	12/15/15	LK	SW6010C	
Potassium	< 0.1	0.1		mg/L	1	12/15/15	LK	SW6010C	
Selenium (Dissolved)	< 0.002	0.002		mg/L	1	12/17/15	RS	E200.9/SM3113B-10	
Selenium	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C	
Silver	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Silver (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Sodium (Dissolved)	< 0.11	0.11		mg/L	1	12/15/15	LK	SW6010C	
Sodium	< 0.1	0.1		mg/L	1	12/15/15	EK	SW6010C	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SW7010	
Thallium	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SM3113B/SW7010-1	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Vanadium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Filtration	Completed					12/14/15	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					12/14/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					12/14/15	L	SW3510C	
Semi-Volatile Extraction	Completed					12/14/15	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					12/14/15	AG		
Total Metals Digestion	Completed					12/14/15	AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1221	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1232	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1242	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1248	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1254	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1260	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1262	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1268	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
QA/QC Surrogates									
% DCBP	52			%	1	12/15/15	KCA	30 - 150 %	
% TCMX	62			%	1	12/15/15	KCA	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
4,4' -DDE	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
4,4' -DDT	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
a-BHC	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Alachlor	ND	0.075		ug/L	1	12/17/15	CE	SW8081B	1
Aldrin	ND	0.002		ug/L	1	12/17/15	CE	SW8081B	
b-BHC	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Chlordane	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB-1

Phoenix I.D.: BK38739

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	1	12/17/15	CE	SW8081B	
Dieldrin	ND	0.003		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan II	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Endrin Aldehyde	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	12/17/15	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Methoxychlor	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Toxaphene	ND	1.0		ug/L	1	12/17/15	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	63			%	1	12/17/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	58			%	1	12/17/15	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Acetone	ND	25		ug/L	1	12/15/15	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	12/15/15	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromochloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB-1

Phoenix I.D.: BK38739

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroform	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	12/15/15	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	12/15/15	MH	70 - 130 %	
% Bromofluorobenzene	96			%	1	12/15/15	MH	70 - 130 %	
% Dibromofluoromethane	98			%	1	12/15/15	MH	70 - 130 %	
% Toluene-d8	99			%	1	12/15/15	MH	70 - 130 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB-1

Phoenix I.D.: BK38739

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	1	12/16/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	12/16/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Aniline	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	12/16/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	12/16/15	DD	SW8270D
Phenol	ND	1.0		ug/L	1	12/16/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	96			%	1	12/16/15	DD	15 - 110 %
% 2-Fluorobiphenyl	71			%	1	12/16/15	DD	30 - 130 %
% 2-Fluorophenol	61			%	1	12/16/15	DD	15 - 110 %
% Nitrobenzene-d5	79			%	1	12/16/15	DD	30 - 130 %
% Phenol-d5	75			%	1	12/16/15	DD	15 - 110 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Terphenyl-d14	90			%	1	12/16/15	DD	30 - 130 %	
Semivolatiles (SIM)									
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	B
Chrysene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluoranthene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluorene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Naphthalene	0.14	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Phenanthrene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyridine	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96			%	1	12/16/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71			%	1	12/16/15	DD	30 - 130 %	
% 2-Fluorophenol	61			%	1	12/16/15	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	1	12/16/15	DD	30 - 130 %	
% Phenol-d5	75			%	1	12/16/15	DD	15 - 110 %	
% Terphenyl-d14	90			%	1	12/16/15	DD	30 - 130 %	

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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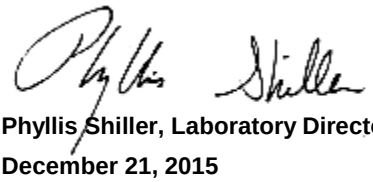

Phyllis Shiller, Laboratory Director
December 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	12:10
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38740

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011		mg/L	1	12/15/15	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	12/15/15	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	12/15/15	LK	SW6010C
Barium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Barium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium	0.029	0.010		mg/L	1	12/15/15	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Calcium (Dissolved)	0.04	0.01		mg/L	1	12/15/15	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Cobalt	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Copper	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	12/15/15	LK	SW6010C
Iron (Dissolved)	< 0.011	0.011		mg/L	1	12/15/15	LK	SW6010C
Iron	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Lead	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C
Magnesium (Dissolved)	< 0.01	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C
Magnesium	< 0.01	0.01		mg/L	1	12/15/15	LK	SW6010C
Manganese	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Phoenix I.D.: BK38740

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Mercury	< 0.0002	0.0002		mg/L	1	12/16/15	RS	SW7470A	
Nickel (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Nickel	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Potassium (Dissolved)	< 0.1	0.1		mg/L	1	12/15/15	LK	SW6010C	
Potassium	< 0.1	0.1		mg/L	1	12/15/15	LK	SW6010C	
Selenium (Dissolved)	< 0.002	0.002		mg/L	1	12/17/15	RS	E200.9/SM3113B-10	
Selenium	< 0.010	0.010		mg/L	1	12/15/15	LK	SW6010C	
Silver	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Silver (Dissolved)	< 0.001	0.001		mg/L	1	12/15/15	LK	SW6010C	
Sodium (Dissolved)	< 0.11	0.11		mg/L	1	12/15/15	LK	SW6010C	
Sodium	< 0.1	0.1		mg/L	1	12/16/15	EK	SW6010C	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SW7010	
Thallium	< 0.0005	0.0005		mg/L	1	12/16/15	RS	SM3113B/SW7010-1	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Vanadium	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc (Dissolved)	0.003	0.002		mg/L	1	12/15/15	LK	SW6010C	
Zinc	< 0.002	0.002		mg/L	1	12/15/15	LK	SW6010C	
Filtration	Completed					12/14/15	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
Mercury Digestion	Completed					12/16/15	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					12/14/15	L	SW3510C	
Extraction for Pest (2 Liter)	Completed					12/14/15	L	SW3510C	
Semi-Volatile Extraction	Completed					12/14/15	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					12/14/15	AG		
Total Metals Digestion	Completed					12/14/15	AG	SW3050B	
Polychlorinated Biphenyls									
PCB-1016	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1221	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1232	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1242	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1248	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1254	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1260	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1262	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
PCB-1268	ND	0.050	0.050	ug/L	1	12/15/15	KCA	E608/SW8082A	
QA/QC Surrogates									
% DCBP	56			%	1	12/15/15	KCA	30 - 150 %	
% TCMX	67			%	1	12/15/15	KCA	30 - 150 %	
Pesticides									
4,4' -DDD	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
4,4' -DDE	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
4,4' -DDT	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
a-BHC	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Alachlor	ND	0.075		ug/L	1	12/17/15	CE	SW8081B	1
Aldrin	ND	0.002		ug/L	1	12/17/15	CE	SW8081B	
b-BHC	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Chlordane	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Phoenix I.D.: BK38740

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	1	12/17/15	CE	SW8081B	
Dieldrin	ND	0.002		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan II	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Endrin Aldehyde	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	12/17/15	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	12/17/15	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	12/17/15	CE	SW8081B	
Methoxychlor	ND	0.10		ug/L	1	12/17/15	CE	SW8081B	
Toxaphene	ND	1.0		ug/L	1	12/17/15	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	69			%	1	12/17/15	CE	30 - 150 %	
%TCMX (Surrogate Rec)	68			%	1	12/17/15	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	12/15/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Acetone	ND	25		ug/L	1	12/15/15	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	12/15/15	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromochloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Phoenix I.D.: BK38740

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloroform	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	12/15/15	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	12/15/15	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	12/15/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	12/15/15	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	12/15/15	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	102			%	1	12/15/15	MH	70 - 130 %	
% Bromofluorobenzene	97			%	1	12/15/15	MH	70 - 130 %	
% Dibromofluoromethane	101			%	1	12/15/15	MH	70 - 130 %	
% Toluene-d8	99			%	1	12/15/15	MH	70 - 130 %	
Semivolatiles									
1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	12/17/15	DD	SW8270D	
1,2-Dichlorobenzene	ND	2.5		ug/L	1	12/17/15	DD	SW8270D	
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D	
1,3-Dichlorobenzene	ND	2.5		ug/L	1	12/17/15	DD	SW8270D	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Phoenix I.D.: BK38740

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	1	12/17/15	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	12/17/15	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Aniline	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	12/17/15	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	12/17/15	DD	SW8270D
Phenol	ND	1.0		ug/L	1	12/17/15	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	1	12/17/15	DD	15 - 110 %
% 2-Fluorobiphenyl	69			%	1	12/17/15	DD	30 - 130 %
% 2-Fluorophenol	64			%	1	12/17/15	DD	15 - 110 %
% Nitrobenzene-d5	83			%	1	12/17/15	DD	30 - 130 %
% Phenol-d5	72			%	1	12/17/15	DD	15 - 110 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
% Terphenyl-d14	89			%	1	12/17/15	DD	30 - 130 %	
Semivolatiles (SIM)									
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
2-Methylnaphthalene	ND	1.0		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Acenaphthylene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benz(a)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(a)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(b)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(ghi)perylene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Benzo(k)fluoranthene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	B
Chrysene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluoranthene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Fluorene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobenzene	ND	0.04		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Hexachloroethane	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Naphthalene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Nitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pentachlorophenol	ND	0.80		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Phenanthrene	ND	0.05		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyrene	ND	0.02		ug/L	1	12/16/15	DD	SW8270D (SIM)	
Pyridine	ND	0.50		ug/L	1	12/16/15	DD	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91			%	1	12/16/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69			%	1	12/16/15	DD	30 - 130 %	
% 2-Fluorophenol	64			%	1	12/16/15	DD	15 - 110 %	
% Nitrobenzene-d5	83			%	1	12/16/15	DD	30 - 130 %	
% Phenol-d5	72			%	1	12/16/15	DD	15 - 110 %	
% Terphenyl-d14	89			%	1	12/16/15	DD	30 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: FB -2

Phoenix I.D.: BK38740

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

Phyllis Shiller, Laboratory Director
December 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 21, 2015

FOR: Attn: Mr. AJ Infante
HydroTech Environmental Corp.
15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/11/15	
Location Code:	HYDROBRO	Received by:	LB	12/14/15	15:15
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	6133				

Laboratory Data

SDG ID: GBK38736
Phoenix ID: BK38741

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TB-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	12/14/15	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	12/14/15	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TB-1

Phoenix I.D.: BK38741

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	12/14/15	MH	SW8260C	
Acrylonitrile	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	12/14/15	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	12/14/15	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	12/14/15	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	12/14/15	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	12/14/15	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	12/14/15	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	12/14/15	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	12/14/15	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	12/14/15	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	12/14/15	MH	70 - 130 %	
% Bromofluorobenzene	98		%	1	12/14/15	MH	70 - 130 %	
% Dibromofluoromethane	98		%	1	12/14/15	MH	70 - 130 %	

Project ID: 150299-1353 FLATBUSH AVE.
Client ID: TB-1

Phoenix I.D.: BK38741

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100		%	1	12/14/15	MH	70 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

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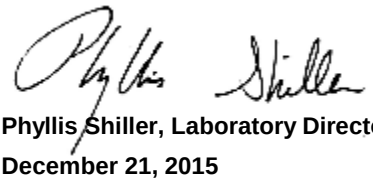


Phyllis Shiller, Laboratory Director
December 21, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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

NY # 11301

QA/QC Report

December 21, 2015

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 329384 (mg/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)														
ICP Metals - Dissolved														
Aluminum	BRL	0.011	<0.053	0.137	NC	93.8	94.2	0.4	90.7	95.9	5.6	75 - 125	20	
Antimony	BRL	0.005	<0.027	<0.027	NC	95.2	94.8	0.4	93.5	99.6	6.3	75 - 125	20	
Arsenic	BRL	0.004	<0.016	<0.021	NC	93.6	93.0	0.6	92.7	100	7.6	75 - 125	20	
Barium	BRL	0.002	0.034	0.033	NC	97.1	100	2.9	97.5	98.0	0.5	75 - 125	20	
Beryllium	BRL	0.001	<0.005	<0.005	NC	101	100	1.0	98.1	106	7.7	75 - 125	20	
Cadmium	BRL	0.001	<0.021	<0.005	NC	99.1	94.8	4.4	93.3	104	10.8	75 - 125	20	
Calcium	BRL	0.01	224	211	6.00	96.8	92.3	4.8	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.001	<0.005	<0.005	NC	96.0	94.1	2.0	93.6	102	8.6	75 - 125	20	
Cobalt	BRL	0.001	0.008	0.008	NC	99.2	97.3	1.9	94.6	101	6.5	75 - 125	20	
Copper	BRL	0.005	<0.027	<0.027	NC	94.8	97.3	2.6	96.7	97.1	0.4	75 - 125	20	
Iron	BRL	0.011	0.18	0.259	36.0	97.1	97.1	0.0	92.8	105	12.3	75 - 125	20	r
Lead	BRL	0.002	0.022	0.020	9.50	96.9	94.9	2.1	94.6	103	8.5	75 - 125	20	
Magnesium	BRL	0.01	55.9	53.0	5.30	100	97.8	2.2	NC	NC	NC	75 - 125	20	
Manganese	BRL	0.001	8.99	8.52	5.40	97.0	95.2	1.9	NC	NC	NC	75 - 125	20	
Nickel	BRL	0.001	0.010	<0.005	NC	96.0	93.8	2.3	93.2	102	9.0	75 - 125	20	
Potassium	BRL	0.1	10.0	10.0	0	93.8	104	10.3	>130	88.7	NC	75 - 125	20	m
Silver	BRL	0.001	<0.027	<0.005	NC	93.3	93.6	0.3	96.0	101	5.1	75 - 125	20	
Sodium	BRL	0.11	94.6	93.7	1.00	94.9	103	8.2	NC	NC	NC	75 - 125	20	
Vanadium	BRL	0.002	<0.053	<0.011	NC	93.7	93.0	0.7	96.2	101	4.9	75 - 125	20	
Zinc	BRL	0.002	0.006	<0.011	NC	95.2	93.1	2.2	98.2	105	6.7	75 - 125	20	
QA/QC Batch 329385 (mg/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)														
Selenium (Dissolved)	BRL	0.002	<0.004	<0.002	NC	114	116	1.7	109	109	0.0	75 - 125	20	
Thallium (Dissolved)	BRL	0.002	<0.001	<0.002	NC	109	110	0.9	87.3	90.6	3.7	75 - 125	20	
QA/QC Batch 329519 (mg/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)														
Thallium - Water	BRL	0.001	<0.001	<0.001	NC	114	111	2.7	93.7	93.7	0.0	75 - 125	20	
QA/QC Batch 329558 (mg/L), QC Sample No: BK36536 (BK38736, BK38737, BK38738, BK38739, BK38740)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	94.8	91.4	3.7	89.6	92.8	3.5	70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 329539 (mg/L), QC Sample No: BK38673 (BK38736, BK38737, BK38738, BK38739, BK38740)														
ICP Metals - Aqueous														
Aluminum	BRL	0.010	0.114	0.088	25.7	91.8	93.8	2.2	91.9	96.1	4.5	75 - 125	20	r
Antimony	BRL	0.005	<0.005	<0.005	NC	93.4	98.3	5.1	98.0	100	2.0	75 - 125	20	
Arsenic	BRL	0.004	<0.004	<0.004	NC	93.9	103	9.2	99.5	101	1.5	75 - 125	20	
Barium	BRL	0.002	0.015	0.015	0	97.7	101	3.3	94.9	95.9	1.0	75 - 125	20	
Beryllium	BRL	0.001	<0.001	<0.001	NC	104	111	6.5	107	106	0.9	75 - 125	20	
Cadmium	BRL	0.001	<0.001	<0.001	NC	104	115	10.0	105	105	0.0	75 - 125	20	
Calcium	BRL	0.010	78.9	78.4	0.60	101	110	8.5	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.001	<0.001	<0.001	NC	97.3	108	10.4	99.6	101	1.4	75 - 125	20	
Cobalt	BRL	0.002	<0.002	<0.002	NC	101	111	9.4	102	103	1.0	75 - 125	20	

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Copper	BRL	0.005	<0.005	<0.005	NC	93.3	96.5	3.4	93.3	94.9	1.7	75 - 125	20	
Iron	BRL	0.010	0.125	0.124	0.80	97.2	108	10.5	98.3	99.6	1.3	75 - 125	20	
Lead	BRL	0.002	0.004	0.002	NC	98.4	108	9.3	98.9	99.6	0.7	75 - 125	20	
Magnesium	BRL	0.01	4.96	4.88	1.60	101	113	11.2	86.6	98.7	13.1	75 - 125	20	
Manganese	BRL	0.001	0.132	0.131	0.80	96.6	108	11.1	98.4	99.4	1.0	75 - 125	20	
Nickel	BRL	0.001	0.004	0.003	NC	97.5	108	10.2	98.2	99.1	0.9	75 - 125	20	
Potassium	BRL	0.1	12.8	12.9	0.80	88.2	81.7	7.7	63.8	80.2	22.8	75 - 125	20	m,r
Selenium	BRL	0.010	<0.010	<0.010	NC	91.3	99.8	8.9	94.4	97.1	2.8	75 - 125	20	
Silver	BRL	0.001	<0.001	<0.001	NC	95.0	99.6	4.7	96.4	96.3	0.1	75 - 125	20	
Sodium	BRL	0.1	89.8	90.1	0.30	97.9	88.2	10.4	NC	NC	NC	75 - 125	20	
Vanadium	BRL	0.002	<0.002	<0.002	NC	96.0	102	6.1	97.5	98.8	1.3	75 - 125	20	
Zinc	BRL	0.002	0.018	0.016	11.8	96.5	107	10.3	101	102	1.0	75 - 125	20	
QA/QC Batch 329678 (mg/L), QC Sample No: BK39339 (BK38736, BK38737, BK38738, BK38739, BK38740)														
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0003	NC	101	101	0.0	98.8	99.1	0.3	70 - 130	20	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

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

NY # 11301

QA/QC Report

December 21, 2015

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 329381 (ug/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)											
Polychlorinated Biphenyls - Ground Water											
PCB-1016	ND	0.050	77	82	6.3	86	78	9.8	40 - 140	20	
PCB-1221	ND	0.050							40 - 140	20	
PCB-1232	ND	0.050							40 - 140	20	
PCB-1242	ND	0.050							40 - 140	20	
PCB-1248	ND	0.050							40 - 140	20	
PCB-1254	ND	0.050							40 - 140	20	
PCB-1260	ND	0.050	77	79	2.6	79	78	1.3	40 - 140	20	
PCB-1262	ND	0.050							40 - 140	20	
PCB-1268	ND	0.050							40 - 140	20	
% DCBP (Surrogate Rec)	60	%	68	89	26.8	70	71	1.4	30 - 150	20	r
% TCMX (Surrogate Rec)	58	%	83	86	3.6	87	77	12.2	30 - 150	20	
QA/QC Batch 329604 (ug/L), QC Sample No: BK36225 (BK38736, BK38738, BK38739, BK38740, BK38741)											
Volatiles - Ground Water											
1,1,1,2-Tetrachloroethane	ND	1.0	86	96	11.0	102	111	8.5	70 - 130	30	
1,1,1-Trichloroethane	ND	1.0	79	91	14.1	103	116	11.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.50	80	90	11.8	92	102	10.3	70 - 130	30	
1,1,2-Trichloroethane	ND	1.0	82	90	9.3	103	111	7.5	70 - 130	30	
1,1-Dichloroethane	ND	1.0	76	87	13.5	95	104	9.0	70 - 130	30	
1,1-Dichloroethene	ND	1.0	84	100	17.4	112	125	11.0	70 - 130	30	
1,1-Dichloropropene	ND	1.0	77	92	17.8	103	114	10.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	1.0	90	91	1.1	102	115	12.0	70 - 130	30	
1,2,3-Trichloropropane	ND	1.0	80	87	8.4	93	102	9.2	70 - 130	30	
1,2,4-Trichlorobenzene	ND	1.0	89	93	4.4	99	113	13.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	1.0	76	88	14.6	92	104	12.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	1.0	91	96	5.3	98	108	9.7	70 - 130	30	
1,2-Dibromoethane	ND	1.0	86	95	9.9	100	109	8.6	70 - 130	30	
1,2-Dichlorobenzene	ND	1.0	82	89	8.2	96	105	9.0	70 - 130	30	
1,2-Dichloroethane	ND	1.0	85	94	10.1	102	111	8.5	70 - 130	30	
1,2-Dichloropropane	ND	1.0	81	90	10.5	97	106	8.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	1.0	79	92	15.2	100	110	9.5	70 - 130	30	
1,3-Dichlorobenzene	ND	1.0	81	91	11.6	94	105	11.1	70 - 130	30	
1,3-Dichloropropane	ND	1.0	81	89	9.4	93	102	9.2	70 - 130	30	
1,4-Dichlorobenzene	ND	1.0	79	88	10.8	94	103	9.1	70 - 130	30	
2,2-Dichloropropane	ND	1.0	73	92	23.0	93	103	10.2	70 - 130	30	
2-Chlorotoluene	ND	1.0	76	87	13.5	91	102	11.4	70 - 130	30	
2-Hexanone	ND	5.0	75	83	10.1	95	105	10.0	70 - 130	30	
2-Isopropyltoluene	ND	1.0	79	93	16.3	101	112	10.3	70 - 130	30	
4-Chlorotoluene	ND	1.0	76	87	13.5	89	100	11.6	70 - 130	30	
4-Methyl-2-pentanone	ND	5.0	79	85	7.3	95	103	8.1	70 - 130	30	
Acetone	ND	5.0	78	87	10.9	87	100	13.9	70 - 130	30	
Acrylonitrile	ND	5.0	94	95	1.1	136	150	9.8	70 - 130	30	m

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzene	ND	0.70	75	87	14.8	94	104	10.1	70 - 130	30	
Bromobenzene	ND	1.0	81	89	9.4	95	104	9.0	70 - 130	30	
Bromochloromethane	ND	1.0	83	90	8.1	96	107	10.8	70 - 130	30	
Bromodichloromethane	ND	0.50	86	98	13.0	99	114	14.1	70 - 130	30	
Bromoform	ND	1.0	91	99	8.4	100	108	7.7	70 - 130	30	
Bromomethane	ND	1.0	81	86	6.0	77	107	32.6	70 - 130	30	r
Carbon Disulfide	ND	1.0	81	97	18.0	110	123	11.2	70 - 130	30	
Carbon tetrachloride	ND	1.0	79	94	17.3	104	116	10.9	70 - 130	30	
Chlorobenzene	ND	1.0	81	91	11.6	96	105	9.0	70 - 130	30	
Chloroethane	ND	1.0	78	88	12.0	98	116	16.8	70 - 130	30	
Chloroform	ND	1.0	78	87	10.9	96	104	8.0	70 - 130	30	
Chloromethane	ND	1.0	67	79	16.4	96	102	6.1	70 - 130	30	l
cis-1,2-Dichloroethene	ND	1.0	75	87	14.8	90	102	12.5	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	81	92	12.7	95	104	9.0	70 - 130	30	
Dibromochloromethane	ND	0.50	91	102	11.4	104	113	8.3	70 - 130	30	
Dibromomethane	ND	1.0	81	88	8.3	96	105	9.0	70 - 130	30	
Dichlorodifluoromethane	ND	1.0	80	94	16.1	103	113	9.3	70 - 130	30	
Ethylbenzene	ND	1.0	78	90	14.3	98	109	10.6	70 - 130	30	
Hexachlorobutadiene	ND	0.40	82	97	16.8	100	114	13.1	70 - 130	30	
Isopropylbenzene	ND	1.0	75	86	13.7	95	106	10.9	70 - 130	30	
m&p-Xylene	ND	1.0	78	89	13.2	95	104	9.0	70 - 130	30	
Methyl ethyl ketone	ND	5.0	79	85	7.3	123	132	7.1	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	1.0	87	99	12.9	101	112	10.3	70 - 130	30	
Methylene chloride	ND	1.0	80	86	7.2	96	115	18.0	70 - 130	30	
Naphthalene	ND	1.0	93	92	1.1	107	122	13.1	70 - 130	30	
n-Butylbenzene	ND	1.0	73	87	17.5	93	103	10.2	70 - 130	30	
n-Propylbenzene	ND	1.0	71	84	16.8	89	101	12.6	70 - 130	30	
o-Xylene	ND	1.0	80	91	12.9	97	108	10.7	70 - 130	30	
p-Isopropyltoluene	ND	1.0	77	92	17.8	104	115	10.0	70 - 130	30	
sec-Butylbenzene	ND	1.0	77	91	16.7	100	111	10.4	70 - 130	30	
Styrene	ND	1.0	82	93	12.6	93	103	10.2	70 - 130	30	
tert-Butylbenzene	ND	1.0	77	91	16.7	98	109	10.6	70 - 130	30	
Tetrachloroethene	ND	1.0	76	91	18.0	98	110	11.5	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	79	83	4.9	87	90	3.4	70 - 130	30	
Toluene	ND	1.0	76	87	13.5	96	105	9.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	77	89	14.5	99	108	8.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	85	94	10.1	98	107	8.8	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	77	88	13.3	73	81	10.4	70 - 130	30	
Trichloroethene	ND	1.0	79	91	14.1	99	111	11.4	70 - 130	30	
Trichlorofluoromethane	ND	1.0	70	82	15.8	94	104	10.1	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	81	98	19.0	103	117	12.7	70 - 130	30	
Vinyl chloride	ND	1.0	76	92	19.0	106	118	10.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	%	101	98	3.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	96	%	103	102	1.0	102	101	1.0	70 - 130	30	
% Dibromofluoromethane	102	%	96	98	2.1	102	103	1.0	70 - 130	30	
% Toluene-d8	99	%	98	99	1.0	99	98	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 329530 (ug/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.50	73	65	11.6	75	74	1.3	30 - 130	20	
2-Methylnaphthalene	ND	0.02	80	71	11.9	85	83	2.4	30 - 130	20	

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthene	ND	0.02	89	82	8.2	82	83	1.2	30 - 130	20	
Acenaphthylene	ND	0.02	84	80	4.9	80	76	5.1	30 - 130	20	
Anthracene	ND	0.02	103	102	1.0	89	90	1.1	30 - 130	20	
Benz(a)anthracene	ND	0.02	95	93	2.1	88	91	3.4	30 - 130	20	
Benzo(a)pyrene	ND	0.02	91	91	0.0	79	80	1.3	30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	97	91	6.4	88	92	4.4	30 - 130	20	
Benzo(ghi)perylene	ND	0.02	86	86	0.0	82	76	7.6	30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	101	98	3.0	88	97	9.7	30 - 130	20	
Bis(2-ethylhexyl)phthalate	0.06	0.05	102	93	9.2	86	105	19.9	30 - 130	20	
Chrysene	ND	0.02	98	93	5.2	87	90	3.4	30 - 130	20	
Dibenz(a,h)anthracene	ND	0.01	93	91	2.2	86	82	4.8	30 - 130	20	
Fluoranthene	ND	0.02	98	101	3.0	98	104	5.9	30 - 130	20	
Fluorene	ND	0.02	96	92	4.3	88	87	1.1	30 - 130	20	
Hexachlorobenzene	ND	0.02	97	93	4.2	86	91	5.6	30 - 130	20	
Hexachlorobutadiene	ND	0.05	60	54	10.5	71	69	2.9	30 - 130	20	
Hexachloroethane	ND	0.05	53	45	16.3	66	67	1.5	30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	89	86	3.4	81	78	3.8	30 - 130	20	
Naphthalene	ND	0.02	64	58	9.8	77	72	6.7	30 - 130	20	
Nitrobenzene	ND	0.05	69	63	9.1	191	188	1.6	30 - 130	20	m
Pentachloronitrobenzene	ND	0.10	99	96	3.1	88	92	4.4	30 - 130	20	
Pentachlorophenol	ND	0.20	78	77	1.3	114	<10	NC	30 - 130	20	m
Phenanthrene	ND	0.02	95	93	2.1	86	86	0.0	30 - 130	20	
Pyrene	ND	0.02	95	101	6.1	98	102	4.0	30 - 130	20	
Pyridine	ND	0.50	37	23	46.7	46	55	17.8	30 - 130	20	l,r
% 2,4,6-Tribromophenol	79	%	106	101	4.8	107	111	3.7	15 - 110	20	m
% 2-Fluorobiphenyl	52	%	73	66	10.1	74	77	4.0	30 - 130	20	
% 2-Fluorophenol	39	%	47	46	2.2	57	51	11.1	15 - 110	20	
% Nitrobenzene-d5	44	%	67	62	7.8	79	77	2.6	30 - 130	20	
% Phenol-d5	46	%	61	59	3.3	67	62	7.8	15 - 110	20	
% Terphenyl-d14	91	%	98	102	4.0	98	101	3.0	30 - 130	20	

Comment:

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 329530 (ug/L), QC Sample No: BK36225 (BK38736, BK38737, BK38738, BK38739, BK38740)

Semivolatiles - Ground Water

1,2,4-Trichlorobenzene	ND	3.5	66	55	18.2	71	69	2.9	30 - 130	20	
1,2-Dichlorobenzene	ND	1.0	52	45	14.4	64	62	3.2	30 - 130	20	
1,2-Diphenylhydrazine	ND	1.6	101	85	17.2	85	83	2.4	30 - 130	20	
1,3-Dichlorobenzene	ND	1.0	48	39	20.7	57	55	3.6	30 - 130	20	r
1,4-Dichlorobenzene	ND	1.0	51	42	19.4	61	58	5.0	30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	94	83	12.4	89	85	4.6	30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	91	83	9.2	88	83	5.8	30 - 130	20	
2,4-Dichlorophenol	ND	1.0	77	70	9.5	82	80	2.5	30 - 130	20	
2,4-Dimethylphenol	ND	1.0	74	62	17.6	65	59	9.7	30 - 130	20	
2,4-Dinitrophenol	ND	1.0	86	103	18.0	81	100	21.0	30 - 130	20	r
2,4-Dinitrotoluene	ND	3.5	101	94	7.2	92	90	2.2	30 - 130	20	
2,6-Dinitrotoluene	ND	3.5	91	82	10.4	80	79	1.3	30 - 130	20	
2-Chloronaphthalene	ND	3.5	84	70	18.2	80	77	3.8	30 - 130	20	
2-Chlorophenol	ND	1.0	53	53	0.0	67	61	9.4	30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	66	62	6.3	78	75	3.9	30 - 130	20	
2-Nitroaniline	ND	3.5	107	89	18.4	12	12	0.0	30 - 130	20	m
2-Nitrophenol	ND	1.0	80	58	31.9	81	79	2.5	30 - 130	20	r

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3&4-Methylphenol (m&p-cresol)	ND	1.0	67	67	0.0	79	75	5.2	30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	59	63	6.6	<10	<10	NC	30 - 130	20	m
3-Nitroaniline	ND	5.0	93	89	4.4	17	17	0.0	30 - 130	20	m
4,6-Dinitro-2-methylphenol	ND	1.0	92	100	8.3	86	94	8.9	30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	100	97	3.0	93	88	5.5	30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	102	93	9.2	88	91	3.4	30 - 130	20	
4-Chloroaniline	ND	3.5	81	77	5.1	19	16	17.1	30 - 130	20	m
4-Chlorophenyl phenyl ether	ND	1.0	83	74	11.5	76	74	2.7	30 - 130	20	
4-Nitroaniline	ND	5.0	96	90	6.5	20	22	9.5	30 - 130	20	m
4-Nitrophenol	ND	1.0	99	93	6.3	97	103	6.0	15 - 130	20	
Acetophenone	ND	3.5	64	62	3.2	89	84	5.8	30 - 130	20	
Aniline	ND	3.5	52	48	8.0	<10	<10	NC	30 - 130	20	m
Benzidine	ND	4.5	90	<10	NC	<10	<10	NC	30 - 130	20	l,m
Benzoic acid	ND	10	84	53	45.3	93	87	6.7	30 - 130	20	r
Benzyl butyl phthalate	ND	1.5	104	99	4.9	97	95	2.1	30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	82	66	21.6	83	80	3.7	30 - 130	20	r
Bis(2-chloroethyl)ether	ND	1.0	56	45	21.8	59	57	3.4	30 - 130	20	r
Bis(2-chloroisopropyl)ether	ND	1.0	45	46	2.2	63	61	3.2	30 - 130	20	
Carbazole	ND	5.0	105	100	4.9	95	99	4.1	30 - 130	20	
Dibenzofuran	ND	3.5	90	81	10.5	83	81	2.4	30 - 130	20	
Diethyl phthalate	ND	1.5	104	90	14.4	89	83	7.0	30 - 130	20	
Dimethylphthalate	ND	1.5	96	89	7.6	86	85	1.2	30 - 130	20	
Di-n-butylphthalate	ND	1.5	118	102	14.5	96	95	1.0	30 - 130	20	
Di-n-octylphthalate	ND	1.5	101	99	2.0	91	89	2.2	30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	32	46	35.9	<10	19	NC	30 - 130	20	m,r
Isophorone	ND	3.5	82	65	23.1	78	75	3.9	30 - 130	20	r
N-Nitrosodimethylamine	ND	1.0	48	23	70.4	33	28	16.4	30 - 130	20	l,m,r
N-Nitrosodi-n-propylamine	ND	3.5	68	68	0.0	84	80	4.9	30 - 130	20	
N-Nitrosodiphenylamine	ND	3.5	86	85	1.2	86	76	12.3	30 - 130	20	
Phenol	ND	1.0	59	55	7.0	105	98	6.9	15 - 130	20	
% 2,4,6-Tribromophenol	59	%	100	91	9.4	91	94	3.2	15 - 110	20	
% 2-Fluorobiphenyl	42	%	76	63	18.7	73	70	4.2	30 - 130	20	
% 2-Fluorophenol	27	%	45	36	22.2	44	36	20.0	15 - 110	20	r
% Nitrobenzene-d5	39	%	63	60	4.9	82	78	5.0	30 - 130	20	
% Phenol-d5	34	%	51	49	4.0	57	51	11.1	15 - 110	20	
% Terphenyl-d14	77	%	114	103	10.1	94	95	1.1	30 - 130	20	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 329548 (ug/L), QC Sample No: BK38736 (BK38736, BK38737, BK38738, BK38739, BK38740)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	86	89	3.4				40 - 140	20	
4,4' -DDE	ND	0.003	82	87	5.9				40 - 140	20	
4,4' -DDT	ND	0.003	83	94	12.4				40 - 140	20	
a-BHC	ND	0.002	81	87	7.1				40 - 140	20	
a-Chlordane	ND	0.005	81	87	7.1				40 - 140	20	
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20	
Aldrin	ND	0.002	66	69	4.4				40 - 140	20	
b-BHC	ND	0.002	83	89	7.0				40 - 140	20	
Chlordane	ND	0.050	80	87	8.4				40 - 140	20	
d-BHC	ND	0.005	54	60	10.5				40 - 140	20	
Dieldrin	ND	0.002	85	92	7.9				40 - 140	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	0.005	88	95	7.7				40 - 140	20
Endosulfan II	ND	0.005	79	91	14.1				40 - 140	20
Endosulfan sulfate	ND	0.005	69	75	8.3				40 - 140	20
Endrin	ND	0.005	83	90	8.1				40 - 140	20
Endrin aldehyde	ND	0.005	99	95	4.1				40 - 140	20
Endrin ketone	ND	0.005	89	93	4.4				40 - 140	20
g-BHC	ND	0.002	86	92	6.7				40 - 140	20
g-Chlordane	ND	0.005	80	87	8.4				40 - 140	20
Heptachlor	ND	0.005	82	86	4.8				40 - 140	20
Heptachlor epoxide	ND	0.005	84	91	8.0				40 - 140	20
Methoxychlor	ND	0.005	85	93	9.0				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	67	%	79	89	11.9				30 - 150	20
% TCMX	69	%	83	84	1.2				30 - 150	20

Comment:

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

QA/QC Batch 329710 (ug/L), QC Sample No: BK39122 (BK38737 (10X))

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	118	127	7.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	111	117	5.3				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	108	113	4.5				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	117	118	0.9				70 - 130	30
1,1-Dichloroethane	ND	1.0	106	110	3.7				70 - 130	30
1,1-Dichloroethene	ND	1.0	120	127	5.7				70 - 130	30
1,1-Dichloropropene	ND	1.0	114	118	3.4				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	120	127	5.7				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	109	113	3.6				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	120	128	6.5				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	109	119	8.8				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	122	132	7.9				70 - 130	30
1,2-Dibromoethane	ND	1.0	115	121	5.1				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	111	117	5.3				70 - 130	30
1,2-Dichloroethane	ND	1.0	118	120	1.7				70 - 130	30
1,2-Dichloropropane	ND	1.0	113	119	5.2				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	110	119	7.9				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	111	119	7.0				70 - 130	30
1,3-Dichloropropane	ND	1.0	110	117	6.2				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	110	116	5.3				70 - 130	30
2,2-Dichloropropane	ND	1.0	101	104	2.9				70 - 130	30
2-Chlorotoluene	ND	1.0	106	115	8.1				70 - 130	30
2-Hexanone	ND	5.0	106	107	0.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	111	120	7.8				70 - 130	30
4-Chlorotoluene	ND	1.0	103	113	9.3				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	110	114	3.6				70 - 130	30
Acetone	ND	5.0	106	121	13.2				70 - 130	30
Acrylonitrile	ND	5.0	123	123	0.0				70 - 130	30
Benzene	ND	0.70	108	113	4.5				70 - 130	30
Bromobenzene	ND	1.0	112	116	3.5				70 - 130	30
Bromochloromethane	ND	1.0	115	117	1.7				70 - 130	30
Bromodichloromethane	ND	0.50	122	128	4.8				70 - 130	30
Bromoform	ND	1.0	125	133	6.2				70 - 130	30

QA/QC Data

SDG I.D.: GBK38736

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromomethane	ND	1.0	136	142	4.3				70 - 130	30	l
Carbon Disulfide	ND	1.0	115	121	5.1				70 - 130	30	
Carbon tetrachloride	ND	1.0	115	120	4.3				70 - 130	30	
Chlorobenzene	ND	1.0	110	119	7.9				70 - 130	30	
Chloroethane	ND	1.0	109	113	3.6				70 - 130	30	
Chloroform	ND	1.0	109	111	1.8				70 - 130	30	
Chloromethane	ND	1.0	100	106	5.8				70 - 130	30	
cis-1,2-Dichloroethene	ND	1.0	107	110	2.8				70 - 130	30	
cis-1,3-Dichloropropene	ND	0.40	113	116	2.6				70 - 130	30	
Dibromochloromethane	ND	0.50	126	134	6.2				70 - 130	30	l
Dibromomethane	ND	1.0	112	115	2.6				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	118	123	4.1				70 - 130	30	
Ethylbenzene	ND	1.0	108	119	9.7				70 - 130	30	
Hexachlorobutadiene	ND	0.40	112	123	9.4				70 - 130	30	
Isopropylbenzene	ND	1.0	103	113	9.3				70 - 130	30	
m&p-Xylene	ND	1.0	108	116	7.1				70 - 130	30	
Methyl ethyl ketone	ND	5.0	100	109	8.6				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	116	121	4.2				70 - 130	30	
Methylene chloride	ND	1.0	132	135	2.2				70 - 130	30	l
Naphthalene	ND	1.0	126	134	6.2				70 - 130	30	l
n-Butylbenzene	ND	1.0	103	112	8.4				70 - 130	30	
n-Propylbenzene	ND	1.0	102	112	9.3				70 - 130	30	
o-Xylene	ND	1.0	109	119	8.8				70 - 130	30	
p-Isopropyltoluene	ND	1.0	111	121	8.6				70 - 130	30	
sec-Butylbenzene	ND	1.0	107	115	7.2				70 - 130	30	
Styrene	ND	1.0	113	122	7.7				70 - 130	30	
tert-Butylbenzene	ND	1.0	106	116	9.0				70 - 130	30	
Tetrachloroethene	ND	1.0	111	117	5.3				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	106	106	0.0				70 - 130	30	
Toluene	ND	1.0	108	113	4.5				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	108	113	4.5				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	117	121	3.4				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	106	110	3.7				70 - 130	30	
Trichloroethene	ND	1.0	114	118	3.4				70 - 130	30	
Trichlorofluoromethane	ND	1.0	98	102	4.0				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	114	119	4.3				70 - 130	30	
Vinyl chloride	ND	1.0	113	119	5.2				70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	100	101	1.0				70 - 130	30	
% Bromofluorobenzene	98	%	102	103	1.0				70 - 130	30	
% Dibromofluoromethane	96	%	102	98	4.0				70 - 130	30	
% Toluene-d8	98	%	101	98	3.0				70 - 130	30	

Comment:

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

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

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

QA/QC Data

SDG I.D.: GBK38736

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

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

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

Phyllis Shiller, Laboratory Director
December 21, 2015

Sample Criteria Exceedences Report

GBK38736 - HYDROBRO

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK38736	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38736	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK38736	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38736	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38736	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38736	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BK38736	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.19	0.010	0.1	0.1	mg/L
BK38736	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.513	0.001	0.3	0.3	mg/L
BK38736	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	143	1.1	20	20	mg/L
BK38736	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	1.60	0.010	0.3	0.3	mg/L
BK38736	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	0.559	0.001	0.3	0.3	mg/L
BK38736	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	148	1.0	20	20	mg/L
BK38737	$8260GWR	Total Xylenes	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Total Xylenes	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Methylene chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Tetrachloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Trichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Trichlorotrifluoroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	trans-1,2-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	7	7	ug/L
BK38737	$8260GWR	Chlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Carbon tetrachloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	7.0	0.7	0.7	ug/L
BK38737	$8260GWR	Acetone	NY / TAGM - Volatile Organics / Groundwater Standards	ND	250	50	50	ug/L
BK38737	$8260GWR	1,3-Dichloropropane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	1,2-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	6.0	5	5	ug/L
BK38737	$8260GWR	1,2,3-Trichloropropane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1-Dichloroethene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	2	2	ug/L

Sample Criteria Exceedences Report

GBK38736 - HYDROBRO

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK38737	$8260GWR	1,1,1-Trichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1-Dichloroethane	NY / TAGM - Volatile Organics / Groundwater Standards	ND	10	5	5	ug/L
BK38737	$8260GWR	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Tetrachloroethene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Bromomethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Carbon tetrachloride	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Chlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Chloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	ND	10	7	7	ug/L
BK38737	$8260GWR	Chloromethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	trans-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Bromobenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Dichlorodifluoromethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	7.0	1	1	ug/L
BK38737	$8260GWR	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	25	10	5	5	ug/L
BK38737	$8260GWR	Methylene chloride	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	n-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	n-Propylbenzene	NY / TOGS - Water Quality / GA Criteria	39	10	5	5	ug/L
BK38737	$8260GWR	o-Xylene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	p-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	sec-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Styrene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	tert-Butylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.4	0.4	ug/L
BK38737	$8260GWR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	6.0	0.6	0.6	ug/L
BK38737	$8260GWR	1,1,1,2-Tetrachloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1,1-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BK38737	$8260GWR	1,1-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,1-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BK38737	$8260GWR	1,2,4-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Bromochloromethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.0006	0.0006	ug/L
BK38737	$8260GWR	Dibromomethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	1	1	ug/L
BK38737	$8260GWR	1,3,5-Trimethylbenzene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	1,3-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	2,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	2-Chlorotoluene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	2-Isopropyltoluene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L

Sample Criteria Exceedences Report

GBK38736 - HYDROBRO

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK38737	$8260GWR	4-Chlorotoluene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Acetone	NY / TOGS - Water Quality / GA Criteria	ND	250	50	50	ug/L
BK38737	$8260GWR	Acrylonitrile	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK38737	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	10	0.04	0.04	ug/L
BK38737	$8260GWR	Trichloroethene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	10	2	2	ug/L
BK38737	$8260GWR	Trichlorotrifluoroethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Trichlorofluoromethane	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	trans-1,4-dichloro-2-butene	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BK38737	$8260GWR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	4.0	0.4	0.4	ug/L
BK38737	$8260GWR	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8260GWR	Toluene	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BK38737	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38737	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38737	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BK38737	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.121	0.010	0.1	0.1	mg/L
BK38737	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.10	0.001	0.3	0.3	mg/L
BK38737	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	79.7	1.1	20	20	mg/L
BK38737	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	0.309	0.010	0.3	0.3	mg/L
BK38737	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	1.13	0.001	0.3	0.3	mg/L
BK38737	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	81.2	1.0	20	20	mg/L
BK38738	$8260GWR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	11	1.0	7	7	ug/L
BK38738	$8260GWR	Chloroform	NY / TOGS - Water Quality / GA Criteria	11	1.0	7	7	ug/L
BK38738	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK38738	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38738	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38738	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBK38736 - HYDROBRO

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK38738	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38738	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BK38738	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BK38738	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.465	0.010	0.1	0.1	mg/L
BK38738	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.957	0.001	0.3	0.3	mg/L
BK38738	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	98.6	1.1	20	20	mg/L
BK38738	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	0.647	0.010	0.3	0.3	mg/L
BK38738	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	0.967	0.001	0.3	0.3	mg/L
BK38738	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	93.0	1.0	20	20	mg/L
BK38739	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK38739	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38739	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38739	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38739	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38739	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BK38740	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38740	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK38740	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38740	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38740	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBK38736 - HYDROBRO

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK38740	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BK38740	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BK38741	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK38741	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK38741	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

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 21, 2015

SDG I.D.: GBK38736

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

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]
Temp 4 °C Pg 1 of 1

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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

Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email: AJ Infante

Customer: Hydro Tech Environmental, Corp.
Address: 15 Ocean Avenue, 2nd Floor
Brooklyn, NY 11225

Project: 150299 - 1353 Flatbush Avenue
Report to: AJ Infante, Andrew@hydrotechenvironmental.com
Invoice to: M. Ward, MWard@hydrotechenvironmental.com

Project P.O: 150299

This section MUST be completed with Bottle Quantities.

Sampler's Signature: _____ Date: 12/11/15

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs	SVOCs	PCBs	Pesticides	TAL Metals (Filtered)	TAL Metals (Unfiltered)	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [X] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
38736	MW-1	GW	12/11/15	09:28	X	X	X	X	X	X				3	4	2		1		
38737	MW-2	GW	12/11/15	09:59	X	X	X	X	X	X				3	4	2		1		
38738	MW-3	GW	12/11/15	10:50	X	X	X	X	X	X				3	4	2		1		
38739	~~Field~~ AI FB-1	GW	12/11/15	12:00	X	X	X	X	X	X				3	4	2		1		
38740	FB-2	GW	12/11/15	12:10	X	X	X	X	X	X				3	4	2		1		
38741	TB-1	GW	12/11/15		X															

Relinquished by:	Accepted by:	Date:	Time:
		12-14-15	13:30
		12-14-15	15:15

Comments, Special Requirements or Regulations:

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

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

NY
[X] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[ ] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other _____

State where samples were collected: NY

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

APPENDIX J

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

NY # 11301

Draft Progress Report

December 17, 2015

FOR: Attn:
HydroTech Environmental Corp.
77 Arkay Drive
Hauppauge, NY 11788

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	12/11/15	12:32
Location Code:	HYDROTEK	Received by:	LB	12/14/15	15:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	6133				
Canister Id:	19630				

Laboratory Data

SDG ID: GBK38731
Phoenix ID: BK38731

Project ID: 150298
Client ID: AO

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/17/15	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/17/15	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/17/15	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/17/15	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/17/15	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	12/17/15	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/17/15	KCA	1	
1,2,4-Trimethylbenzene	0.361	*0.204*	1.77	*1.00*	12/17/15	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/17/15	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/17/15	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/17/15	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/17/15	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/17/15	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	12/17/15	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/17/15	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/17/15	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/17/15	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/17/15	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/17/15	KCA	1	1
4-Ethyltoluene	0.317	*0.204*	1.56	*1.00*	12/17/15	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/17/15	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	12/17/15	KCA	1	
Acetone	4.87	*0.421*	11.6	*1.00*	12/17/15	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/17/15	KCA	1	
Benzene	0.814	*0.313*	2.60	*1.00*	12/17/15	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/17/15	KCA	1	

Project ID: 150298
Client ID: AO

Phoenix I.D.: BK38731

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/17/15	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	12/17/15	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	12/17/15	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	12/17/15	KCA	1	
Carbon Tetrachloride	0.073		*0.040*	0.46	*0.25*	12/17/15	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/17/15	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	12/17/15	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	12/17/15	KCA	1	
Chloromethane	0.657		*0.485*	1.36	*1.00*	12/17/15	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/17/15	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/17/15	KCA	1	
Cyclohexane	0.380		*0.291*	1.31	*1.00*	12/17/15	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/17/15	KCA	1	
Dichlorodifluoromethane	0.491		*0.202*	2.43	*1.00*	12/17/15	KCA	1	
Ethanol	10.5		*0.531*	19.8	*1.00*	12/17/15	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/17/15	KCA	1	1
Ethylbenzene	0.243		*0.230*	1.05	*1.00*	12/17/15	KCA	1	
Heptane	0.484		*0.244*	1.98	*1.00*	12/17/15	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/17/15	KCA	1	
Hexane	1.31	S	*0.284*	4.61	*1.00*	12/17/15	KCA	1	
Isopropylalcohol	4.55		*0.407*	11.2	*1.00*	12/17/15	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/17/15	KCA	1	
m,p-Xylene	0.863		*0.230*	3.75	*1.00*	12/17/15	KCA	1	
Methyl Ethyl Ketone	0.615		*0.339*	1.81	*1.00*	12/17/15	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/17/15	KCA	1	
Methylene Chloride	0.421	S	*0.288*	1.46	*1.00*	12/17/15	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/17/15	KCA	1	1
o-Xylene	0.267		*0.230*	1.16	*1.00*	12/17/15	KCA	1	
Propylene	5.82		*0.581*	10.0	*1.00*	12/17/15	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/17/15	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	12/17/15	KCA	1	
Tetrachloroethene	0.137		*0.037*	0.93	*0.25*	12/17/15	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	12/17/15	KCA	1	1
Toluene	1.50		*0.266*	5.65	*1.00*	12/17/15	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/17/15	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/17/15	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	12/17/15	KCA	1	
Trichlorofluoromethane	0.239		*0.178*	1.34	*1.00*	12/17/15	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/17/15	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	12/17/15	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	97		*%*	97	*%*	12/17/15	KCA	1	

Project ID: 150298
Client ID: AO

Phoenix I.D.: BK38731

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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

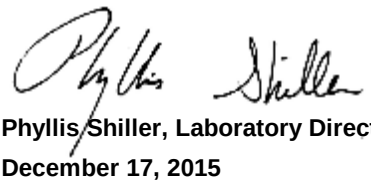
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director
December 17, 2015

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

NY # 11301

Draft Progress Report

December 17, 2015

FOR: Attn:
HydroTech Environmental Corp.
77 Arkay Drive
Hauppauge, NY 11788

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	12/11/15	13:21
Location Code:	HYDROTEK	Received by:	LB	12/14/15	15:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	6133				
Canister Id:	470				

Laboratory Data

SDG ID: GBK38731
Phoenix ID: BK38732

Project ID: 150298
Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trimethylbenzene	1.39	*0.204*	6.83	*1.00*	12/15/15	KCA	0	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/15/15	KCA	0	
1,3,5-Trimethylbenzene	0.351	*0.204*	1.72	*1.00*	12/15/15	KCA	0	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/15/15	KCA	0	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/15/15	KCA	0	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/15/15	KCA	0	1
4-Ethyltoluene	1.40	*0.204*	6.88	*1.00*	12/15/15	KCA	0	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/15/15	KCA	0	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	12/15/15	KCA	0	
Acetone	16.9	*0.421*	40.1	*1.00*	12/15/15	KCA	0	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/15/15	KCA	0	
Benzene	1.14	*0.313*	3.64	*1.00*	12/15/15	KCA	0	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/15/15	KCA	0	

Project ID: 150298
Client ID: SV-4

Phoenix I.D.: BK38732

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/15/15	KCA	0	
Bromoform	ND		*0.097*	ND	*1.00*	12/15/15	KCA	0	
Bromomethane	ND		*0.258*	ND	*1.00*	12/15/15	KCA	0	
Carbon Disulfide	0.454		*0.321*	1.41	*1.00*	12/15/15	KCA	0	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	12/15/15	KCA	0	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/15/15	KCA	0	
Chloroethane	ND		*0.379*	ND	*1.00*	12/15/15	KCA	0	
Chloroform	0.743		*0.205*	3.63	*1.00*	12/15/15	KCA	0	
Chloromethane	ND		*0.485*	ND	*1.00*	12/15/15	KCA	0	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Cyclohexane	ND		*0.291*	ND	*1.00*	12/15/15	KCA	0	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/15/15	KCA	0	
Dichlorodifluoromethane	0.319		*0.202*	1.58	*1.00*	12/15/15	KCA	0	
Ethanol	3.85	S	*0.531*	7.25	*1.00*	12/15/15	KCA	0	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	1
Ethylbenzene	3.37		*0.230*	14.6	*1.00*	12/15/15	KCA	0	
Heptane	1.21		*0.244*	4.96	*1.00*	12/15/15	KCA	0	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/15/15	KCA	0	
Hexane	1.02	S	*0.284*	3.59	*1.00*	12/15/15	KCA	0	
Isopropylalcohol	1.91	S	*0.407*	4.69	*1.00*	12/15/15	KCA	0	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/15/15	KCA	0	
m,p-Xylene	11.4		*0.230*	49.5	*1.00*	12/15/15	KCA	0	
Methyl Ethyl Ketone	1.60		*0.339*	4.72	*1.00*	12/15/15	KCA	0	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	
Methylene Chloride	ND		*0.288*	ND	*1.00*	12/15/15	KCA	0	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
o-Xylene	1.72		*0.230*	7.46	*1.00*	12/15/15	KCA	0	
Propylene	ND		*0.581*	ND	*1.00*	12/15/15	KCA	0	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
Styrene	ND		*0.235*	ND	*1.00*	12/15/15	KCA	0	
Tetrachloroethene	1.08		*0.037*	7.32	*0.25*	12/15/15	KCA	0	
Tetrahydrofuran	2.53		*0.339*	7.46	*1.00*	12/15/15	KCA	0	1
Toluene	16.0		*0.266*	60.3	*1.00*	12/15/15	KCA	0	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Trichloroethene	0.063		*0.047*	0.34	*0.25*	12/15/15	KCA	0	
Trichlorofluoromethane	0.707		*0.178*	3.97	*1.00*	12/15/15	KCA	0	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/15/15	KCA	0	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	12/15/15	KCA	0	
QA/QC Surrogates									
% Bromofluorobenzene	105		*%*	105	*%*	12/15/15	KCA	0	

Project ID: 150298 Phoenix I.D.: BK38732

Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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

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

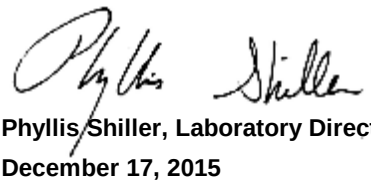
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 17, 2015

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

NY # 11301

Draft Progress Report

December 17, 2015

FOR: Attn:
HydroTech Environmental Corp.
77 Arkay Drive
Hauppauge, NY 11788

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	12/11/15	12:30
Location Code:	HYDROTEK	Received by:	LB	12/14/15	15:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	6133				
Canister Id:	475				

Laboratory Data

SDG ID: GBK38731
Phoenix ID: BK38733

Project ID: 150298
Client ID: SV-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trimethylbenzene	1.44	*0.204*	7.07	*1.00*	12/15/15	KCA	0	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/15/15	KCA	0	
1,3,5-Trimethylbenzene	0.357	*0.204*	1.75	*1.00*	12/15/15	KCA	0	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/15/15	KCA	0	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/15/15	KCA	0	
2-Hexanone(MBK)	0.350	*0.244*	1.43	*1.00*	12/15/15	KCA	0	1
4-Ethyltoluene	1.44	*0.204*	7.07	*1.00*	12/15/15	KCA	0	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/15/15	KCA	0	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	12/15/15	KCA	0	
Acetone	9.35	*0.421*	22.2	*1.00*	12/15/15	KCA	0	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/15/15	KCA	0	
Benzene	1.39	*0.313*	4.44	*1.00*	12/15/15	KCA	0	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/15/15	KCA	0	

Project ID: 150298
Client ID: SV-3

Phoenix I.D.: BK38733

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/15/15	KCA	0	
Bromoform	ND		*0.097*	ND	*1.00*	12/15/15	KCA	0	
Bromomethane	ND		*0.258*	ND	*1.00*	12/15/15	KCA	0	
Carbon Disulfide	0.374		*0.321*	1.16	*1.00*	12/15/15	KCA	0	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	12/15/15	KCA	0	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/15/15	KCA	0	
Chloroethane	ND		*0.379*	ND	*1.00*	12/15/15	KCA	0	
Chloroform	0.260		*0.205*	1.27	*1.00*	12/15/15	KCA	0	
Chloromethane	ND		*0.485*	ND	*1.00*	12/15/15	KCA	0	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Cyclohexane	0.378		*0.291*	1.30	*1.00*	12/15/15	KCA	0	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/15/15	KCA	0	
Dichlorodifluoromethane	0.466		*0.202*	2.30	*1.00*	12/15/15	KCA	0	
Ethanol	4.74	S	*0.531*	8.93	*1.00*	12/15/15	KCA	0	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	1
Ethylbenzene	2.04		*0.230*	8.85	*1.00*	12/15/15	KCA	0	
Heptane	1.43		*0.244*	5.86	*1.00*	12/15/15	KCA	0	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/15/15	KCA	0	
Hexane	1.41	S	*0.284*	4.97	*1.00*	12/15/15	KCA	0	
Isopropylalcohol	2.30	S	*0.407*	5.65	*1.00*	12/15/15	KCA	0	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/15/15	KCA	0	
m,p-Xylene	6.99		*0.230*	30.3	*1.00*	12/15/15	KCA	0	
Methyl Ethyl Ketone	2.00		*0.339*	5.89	*1.00*	12/15/15	KCA	0	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	
Methylene Chloride	ND		*0.288*	ND	*1.00*	12/15/15	KCA	0	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
o-Xylene	1.65		*0.230*	7.16	*1.00*	12/15/15	KCA	0	
Propylene	ND		*0.581*	ND	*1.00*	12/15/15	KCA	0	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
Styrene	ND		*0.235*	ND	*1.00*	12/15/15	KCA	0	
Tetrachloroethene	1.32		*0.037*	8.95	*0.25*	12/15/15	KCA	0	
Tetrahydrofuran	3.50		*0.339*	10.3	*1.00*	12/15/15	KCA	0	1
Toluene	17.2		*0.266*	64.8	*1.00*	12/15/15	KCA	0	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Trichloroethene	0.048		*0.047*	0.26	*0.25*	12/15/15	KCA	0	
Trichlorofluoromethane	0.688		*0.178*	3.86	*1.00*	12/15/15	KCA	0	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/15/15	KCA	0	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	12/15/15	KCA	0	
QA/QC Surrogates									
% Bromofluorobenzene	104		*%*	104	*%*	12/15/15	KCA	0	

Project ID: 150298 Phoenix I.D.: BK38733

Client ID: SV-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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

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

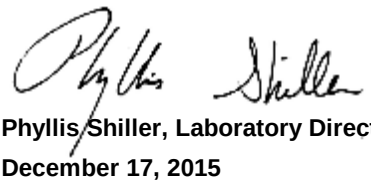
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 17, 2015

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

NY # 11301

Draft Progress Report

December 17, 2015

FOR: Attn:
HydroTech Environmental Corp.
77 Arkay Drive
Hauppauge, NY 11788

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	12/11/15	12:33
Location Code:	HYDROTEK	Received by:	LB	12/14/15	15:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	6133				
Canister Id:	489				

Laboratory Data

SDG ID: GBK38731
Phoenix ID: BK38734

Project ID: 150298
Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	12/15/15	KCA	0	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trimethylbenzene	1.43	*0.204*	7.03	*1.00*	12/15/15	KCA	0	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	12/15/15	KCA	0	
1,3,5-Trimethylbenzene	0.364	*0.204*	1.79	*1.00*	12/15/15	KCA	0	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	12/15/15	KCA	0	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	12/15/15	KCA	0	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	12/15/15	KCA	0	1
4-Ethyltoluene	1.37	*0.204*	6.73	*1.00*	12/15/15	KCA	0	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	12/15/15	KCA	0	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	12/15/15	KCA	0	
Acetone	6.50	*0.421*	15.4	*1.00*	12/15/15	KCA	0	
Acrylonitrile	ND	*0.461*	ND	*1.00*	12/15/15	KCA	0	
Benzene	1.19	*0.313*	3.80	*1.00*	12/15/15	KCA	0	
Benzyl chloride	ND	*0.193*	ND	*1.00*	12/15/15	KCA	0	

Project ID: 150298
Client ID: SV-2

Phoenix I.D.: BK38734

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/15/15	KCA	0	
Bromoform	ND		*0.097*	ND	*1.00*	12/15/15	KCA	0	
Bromomethane	ND		*0.258*	ND	*1.00*	12/15/15	KCA	0	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	12/15/15	KCA	0	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	12/15/15	KCA	0	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/15/15	KCA	0	
Chloroethane	ND		*0.379*	ND	*1.00*	12/15/15	KCA	0	
Chloroform	ND		*0.205*	ND	*1.00*	12/15/15	KCA	0	
Chloromethane	ND		*0.485*	ND	*1.00*	12/15/15	KCA	0	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Cyclohexane	ND		*0.291*	ND	*1.00*	12/15/15	KCA	0	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/15/15	KCA	0	
Dichlorodifluoromethane	0.371		*0.202*	1.83	*1.00*	12/15/15	KCA	0	
Ethanol	4.72	S	*0.531*	8.89	*1.00*	12/15/15	KCA	0	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	1
Ethylbenzene	1.90		*0.230*	8.25	*1.00*	12/15/15	KCA	0	
Heptane	1.32		*0.244*	5.41	*1.00*	12/15/15	KCA	0	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/15/15	KCA	0	
Hexane	1.09	S	*0.284*	3.84	*1.00*	12/15/15	KCA	0	
Isopropylalcohol	1.98	S	*0.407*	4.86	*1.00*	12/15/15	KCA	0	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/15/15	KCA	0	
m,p-Xylene	6.49		*0.230*	28.2	*1.00*	12/15/15	KCA	0	
Methyl Ethyl Ketone	1.44		*0.339*	4.24	*1.00*	12/15/15	KCA	0	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	
Methylene Chloride	ND		*0.288*	ND	*1.00*	12/15/15	KCA	0	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
o-Xylene	1.51		*0.230*	6.55	*1.00*	12/15/15	KCA	0	
Propylene	ND		*0.581*	ND	*1.00*	12/15/15	KCA	0	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
Styrene	ND		*0.235*	ND	*1.00*	12/15/15	KCA	0	
Tetrachloroethene	1.11		*0.037*	7.52	*0.25*	12/15/15	KCA	0	
Tetrahydrofuran	2.90		*0.339*	8.55	*1.00*	12/15/15	KCA	0	1
Toluene	16.3		*0.266*	61.4	*1.00*	12/15/15	KCA	0	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Trichloroethene	0.081		*0.047*	0.44	*0.25*	12/15/15	KCA	0	
Trichlorofluoromethane	1.75		*0.178*	9.8	*1.00*	12/15/15	KCA	0	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/15/15	KCA	0	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	12/15/15	KCA	0	
QA/QC Surrogates									
% Bromofluorobenzene	103		*%*	103	*%*	12/15/15	KCA	0	

Project ID: 150298 Phoenix I.D.: BK38734

Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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

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

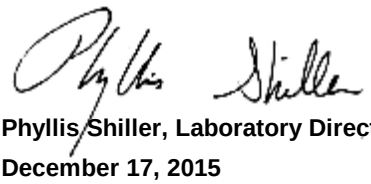
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.



Phyllis Shiller, Laboratory Director

December 17, 2015

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

NY # 11301

Draft Progress Report

December 17, 2015

FOR: Attn:
HydroTech Environmental Corp.
77 Arkay Drive
Hauppauge, NY 11788

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	12/11/15	12:34
Location Code:	HYDROTEK	Received by:	LB	12/14/15	15:15
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	6133				
Canister Id:	469				

Laboratory Data

SDG ID: GBK38731
Phoenix ID: BK38735

Project ID: 150298
Client ID: SV-1

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND		*0.146*	ND	*1.00*	12/15/15	KCA	0	1
1,1,1-Trichloroethane	0.383		*0.183*	2.09	*1.00*	12/15/15	KCA	0	
1,1,2,2-Tetrachloroethane	ND		*0.146*	ND	*1.00*	12/15/15	KCA	0	
1,1,2-Trichloroethane	ND		*0.183*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethane	ND		*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,1-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trichlorobenzene	ND		*0.135*	ND	*1.00*	12/15/15	KCA	0	
1,2,4-Trimethylbenzene	1.21		*0.204*	5.94	*1.00*	12/15/15	KCA	0	
1,2-Dibromoethane(EDB)	ND		*0.130*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorobenzene	ND		*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichloroethane	ND		*0.247*	ND	*1.00*	12/15/15	KCA	0	
1,2-dichloropropane	ND		*0.217*	ND	*1.00*	12/15/15	KCA	0	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	ND	*1.00*	12/15/15	KCA	0	
1,3,5-Trimethylbenzene	0.305		*0.204*	1.50	*1.00*	12/15/15	KCA	0	
1,3-Butadiene	ND		*0.452*	ND	*1.00*	12/15/15	KCA	0	
1,3-Dichlorobenzene	ND		*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dichlorobenzene	ND		*0.166*	ND	*1.00*	12/15/15	KCA	0	
1,4-Dioxane	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	
2-Hexanone(MBK)	ND		*0.244*	ND	*1.00*	12/15/15	KCA	0	1
4-Ethyltoluene	1.08		*0.204*	5.31	*1.00*	12/15/15	KCA	0	1
4-Isopropyltoluene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	ND	*1.00*	12/15/15	KCA	0	
Acetone	3.21	S	*0.421*	7.62	*1.00*	12/15/15	KCA	0	
Acrylonitrile	ND		*0.461*	ND	*1.00*	12/15/15	KCA	0	
Benzene	ND		*0.313*	ND	*1.00*	12/15/15	KCA	0	
Benzyl chloride	ND		*0.193*	ND	*1.00*	12/15/15	KCA	0	

Project ID: 150298
Client ID: SV-1

Phoenix I.D.: BK38735

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	12/15/15	KCA	0	
Bromoform	ND		*0.097*	ND	*1.00*	12/15/15	KCA	0	
Bromomethane	ND		*0.258*	ND	*1.00*	12/15/15	KCA	0	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	12/15/15	KCA	0	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	12/15/15	KCA	0	
Chlorobenzene	ND		*0.217*	ND	*1.00*	12/15/15	KCA	0	
Chloroethane	ND		*0.379*	ND	*1.00*	12/15/15	KCA	0	
Chloroform	ND		*0.205*	ND	*1.00*	12/15/15	KCA	0	
Chloromethane	ND		*0.485*	ND	*1.00*	12/15/15	KCA	0	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Cyclohexane	ND		*0.291*	ND	*1.00*	12/15/15	KCA	0	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	12/15/15	KCA	0	
Dichlorodifluoromethane	0.427		*0.202*	2.11	*1.00*	12/15/15	KCA	0	
Ethanol	2.71	S	*0.531*	5.10	*1.00*	12/15/15	KCA	0	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	1
Ethylbenzene	0.746		*0.230*	3.24	*1.00*	12/15/15	KCA	0	
Heptane	ND		*0.244*	ND	*1.00*	12/15/15	KCA	0	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	12/15/15	KCA	0	
Hexane	0.316	S	*0.284*	1.11	*1.00*	12/15/15	KCA	0	
Isopropylalcohol	0.921	S	*0.407*	2.26	*1.00*	12/15/15	KCA	0	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	12/15/15	KCA	0	
m,p-Xylene	3.42		*0.230*	14.8	*1.00*	12/15/15	KCA	0	
Methyl Ethyl Ketone	0.444		*0.339*	1.31	*1.00*	12/15/15	KCA	0	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	12/15/15	KCA	0	
Methylene Chloride	ND		*0.288*	ND	*1.00*	12/15/15	KCA	0	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
o-Xylene	0.805		*0.230*	3.49	*1.00*	12/15/15	KCA	0	
Propylene	ND		*0.581*	ND	*1.00*	12/15/15	KCA	0	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	12/15/15	KCA	0	1
Styrene	ND		*0.235*	ND	*1.00*	12/15/15	KCA	0	
Tetrachloroethene	6.05		*0.037*	41.0	*0.25*	12/15/15	KCA	0	
Tetrahydrofuran	0.512		*0.339*	1.51	*1.00*	12/15/15	KCA	0	1
Toluene	3.35		*0.266*	12.6	*1.00*	12/15/15	KCA	0	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	12/15/15	KCA	0	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	12/15/15	KCA	0	
Trichloroethene	ND		*0.047*	ND	*0.25*	12/15/15	KCA	0	
Trichlorofluoromethane	0.179		*0.178*	1.01	*1.00*	12/15/15	KCA	0	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	12/15/15	KCA	0	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	12/15/15	KCA	0	
QA/QC Surrogates									
% Bromofluorobenzene	100		*%*	100	*%*	12/15/15	KCA	0	

Project ID: 150298 Phoenix I.D.: BK38735

Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

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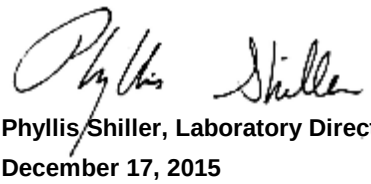

Phyllis Shiller, Laboratory Director

December 17, 2015

Sample Criteria Exceedences Report

GBK38731 - HYDROTEK

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

CHAIN OF CUSTODY RECORD

AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.

567 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860-645-1102 • Fax: 860-645-0823

800-827-5426

email: greg@phoenixlabs.com

P.O. # 150298 Page 1 of 1

Data Delivery:
Fax #:
Email: Andre@hydrotechenvironmental.com
Phone #:

Report to: AJ Infante
Customer: Hydrotech
Address: 77 Arkay Drive, Suite G
Hauppauge, NY

Invoice to: Muslima Ward
Same

Sampled by: AJ Infante

Project Name: 150298
Requested Deliverable:
RCP ☐ ASP CAT B ☐
MCP ☐ NJ Deliverables ☐
State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (ml/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air (MATRIX)	Soil Gas (MATRIX)	Grab (G) Composite (C) (MATRIX)	TO-14 (ANALYSES)	TO-15 (ANALYSES)
			THIS SECTION FOR LAB USE ONLY														
~~[illegible]~~	~~[illegible]~~ AI 38731	19630	6.0	-30	-14	3048	114.9	9:30am	12:32pm	12-11-15	-30	-15	X		G		X
SV-4	~~[illegible]~~ AI 38732	470			-13	3048		8:34am	12:31pm		-30	-13		X	G		X
SV-3	SV-3 ~~[illegible]~~ 38733	475			-13	3056		8:30am	12:30pm		-30	-13		X	G		X
SV-2	~~[illegible]~~ AI 38734	489			-15	3179		8:32am	12:33pm		-30	-15		X	G		X
SV-1	~~[illegible]~~ AI 38735	469			-13	5350		8:33am	12:34pm		-30	-15		X	G		X

Relinquished by: [signature] Date: 12-14-15 Time: 13:30

Accepted by: [signature] Date: 12-14-15 Time: 15:15

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

SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:

Please use Phoenix ID# as Client Sample ID. 6L 6hr.

Requested Criteria

Quote Number:

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

Signature: [signature] Date: 12/11/15

Greg - Phoenixlabs

From: Andrew Infante [Andrew@hydrotechenvironmental.com]
Sent: Tuesday, December 15, 2015 12:12 PM
To: Greg - Phoenixlabs
Cc: 'Bobbi - Phoenixlabs'; Carlos Quinonez
Subject: RE: Muslima Ward Air Samples

Greg,

Please proceed with the dilution and analyses as required.

Thank you,

A.J. Infante
Project Geologist

Hydro Tech Environmental, Corp.
15 Ocean Avenue, 2nd Floor
Brooklyr, NY 11225
Tel: (718) 636-0800
Cell: (631) 457-0033
Fax: (718) 636-0900

Long Island Office:
77 Arkay Drive, Suite G
Hauppauge, NY 11788
Tel: (631) 462-5866
Fax: (631) 462-5877

From: Greg - Phoenixlabs [mailto:greg@phoenixlabs.com]
Sent: Tuesday, December 15, 2015 12:00 PM
To: Andrew Infante <Andrew@hydrotechenvironmental.com>
Cc: 'Bobbi - Phoenixlabs' <bobbi@phoenixlabs.com>
Subject: Muslima Ward Air Samples
Importance: High

Andrew,

The Summa canisters for the air samples from the above Project, that we received yesterday, are all still under a high vacuum. The reason for this is the regulators were requested at a six hour sampling interval but the samples were collected over a four hour duration. So what we can do is added purified compressed gas to the summa's which will lower the vacuum but will dilute the samples. The dilution factor will be around 5, which will increase all of the reporting limits by a factor of 5. Meaning we will not get the low level reporting limits. So would you like us to proceed or cancel the analysis?