114 WEST 125TH STREET

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC OER Project Number: 16EHAN309M

Prepared for:

Rockfeld Group

90 Park Avenue -18th Floor

New York, NY

(212) 505-1986

Prepared by:

Hydro Tech Environmental, Corp.

15 Ocean Avenue, 2nd Floor

Brooklyn, NY

(718) 636-0800

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC 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 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 114 West, 125th Street, New York, NY (OER Project No.16EHAN309M). 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 E. Robbins 7/26/16

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 114 West 125th Street in the Harlem section of Manhattan, New York and is identified as Block 1909 and Lots 24, 40, 41 and 42 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 12,927 square feet and is bounded by a 19-story office building to the north across West 125th Street, a 3-story multi-family residential building to the south across West 124th Street, an active construction to the east (proposed multi-story commercial), and a 2-story commercial building to the west. A map of the site boundary is shown in **Figure 2.** Currently, the Site is developed with four (4) vacant structures. The vacant structures were most recently occupied by commercial retail stores and a miscellaneous automobile garage (Lot 24).

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 2-story commercial retail building. The existing four vacant structures at the Site are scheduled to be demolished by September 2016, pending NYC Department of Buildings approval. The redevelopment will consist of a full build out, with a full basement requiring excavation to approximately 19 feet below grade. The basement elevation will be 16 feet below grade. Groundwater is anticipated to be encountered at approximately 22 feet below grade. Layout of the proposed site development is presented in **Figure 3.** The current zoning designation is zoned for “C6- 3” and “C4-4D” (Commercial District). The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

According to the April 2016 Phase I ESA conducted by Hydro Tech Environmental, Corp., the Site was originally developed prior to 1902 with four (4) commercial and/or residential structures (one [1] on each Subject Property tax lot). The identified structures include a 2-story building located on the southern portion of 117 West 124th Street (Lot 24) identified as a carpenter, a 4-story commercial building on 112 West 125th Street (Lot 40), the existing 4-story

mixed-use commercial/residential building located on 114 West 125th Street (Lot 41) and the existing 2-story building located on 116 – 188 West 125th Street (Lot 42). The current owner of the Site is FBD Acquisition LLC.

Hydro Tech Environmental, Corp. (Hydro Tech) performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property during April 2016. This assessment revealed the following Area of Concerns at the Subject Property:

- The historical use of the Subject Property as an automobile junkyard/repair-related facility;
- The historical use of the adjacent property as an automobile repair facility;
- The presence of an "E" Designation located on the Subject Property;
- The potential presence of inactive heating oil tank(s) at the Subject Property; and
- The presence of mold located at the Subject Property.

Summary of the Work Performed under the Remedial Investigation

Hydro Tech Environmental, Corp. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven (7) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality. One additional boring will be installed after demolition on Lot 40;
3. Installed one (1) groundwater monitoring well on Lot 24 and collected one (1) groundwater sample for chemical analysis to evaluate groundwater quality. Three additional monitoring wells will be installed after demolition of the existing structures located on Lots 41 and 42. Hydro Tech was unable to successfully install monitoring wells with the limited access drilling equipment used during the initial RI;
4. Installed five (5) soil vapor probes around Site and collected five (5) samples for chemical analysis. One additional soil vapor probe will be installed after demolition on Lot 40;
5. Collected one (1) indoor-ambient and one (1) outdoor-ambient air sample was collected.

Summary of Environmental Findings

1. Elevation of the property ranges from 25 to 28 feet.
2. Groundwater was encountered at approximately 22 feet below grade.
3. Regional groundwater flow direction in the vicinity of the Site is generally from northwest to southeast.
4. Bedrock was not encountered to a depth of 35 feet below grade during monitoring well installation.
5. Stratigraphy on the site consists of medium-grained fill material with angular gravel from zero to 12 feet below grade underlain by coarse-grained sand from 12 to 25 feet below grade.
6. Soil/fill samples collected were compared to New York State Department of Environmental Conservation 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Soil/fill samples collected during the RI show that no Semi-Volatile Organic Compounds (SVOCs) were detected above Unrestricted Use SCOs. One volatile organic compound (VOC), acetone (max. 0.17 mg/kg), exceeded Unrestricted Use Soil Cleanup Objectives in two deep samples. Pesticides were detected in two shallow samples and five deep samples at concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDE (max. 0.15 mg/kg), 4,4'DDT (max. 0.063 mg/kg) and 4,4'-DDD (max. 0.029 mg/kg). Two Polychlorinated biphenyl (PCBs), PCB-1248 (max. 0.65 mg/kg) and PCB-1254 (max. 0.12 mg/kg), were detected in the shallow samples exceeding Unrestricted Use SCOs. Metals were detected in all soil samples at the Site. Arsenic (max. 14.6 mg/kg), barium (max. 710 mg/kg), chromium (max. 31.1 mg/kg), copper (max. 120 mg/kg), lead (max. 922 mg/kg), mercury (max. 0.78 mg/kg), and zinc (max. 570 mg/kg) were all detected above Unrestricted Use SCOs. Of those, barium and lead were detected above RRSCOs. Barium also exceeded the Restricted Commercial SCO of 400 mg/kg. Overall, soil chemistry is unremarkable and does not indicate disposal of waste.
7. Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). The groundwater sample collected during the RI shows no VOCs, SVOCs, PCBs or Pesticides at concentrations exceeding GQS. One dissolved metal, sodium (max. 156,000 µg/L), was detected above GQS.

8. 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 show low-level petroleum related and associated derivatives in each of the collected samples. Total concentrations of petroleum related VOCs (BTEX) ranged from no detection to 46 $\mu g/m^3$. Chlorinated hydrocarbons were also detected at low levels in soil vapor samples. 1,1,1-trichloroethane was not detected in any samples. Carbon tetrachloride (max. 0.48 $\mu g/m^3$), tetrachloroethylene (max. 11.4 $\mu g/m^3$), and trichloroethylene (max. 1.04 $\mu g/m^3$) were all detected at concentrations below their mitigation level range established within the NYSDOH soil vapor guidance matrix. Tetrachloroehylene (max. 10.9 $\mu g/m^3$) and carbon tetrachloride (max. 0.45 $\mu g/m^3$) were also detected in the indoor and outdoor ambient air samples, respectively.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Rockfeld Group has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.3 acre site located at 114 West 125th Street in Harlem section of Manhattan, New York. Commercial use is proposed for the property. The RI work was performed between May 9, 2016 and May 11, 2016. 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 114 West 125th Street in the Harlem section of Manhattan, New York and is identified as Block 1909 and Lots 24, 40, 41 and 42 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 12,927 square feet and is bounded by a 19-story office building to the north across West 125th Street, a 3-story multi-family residential building to the south across West 124th Street, an active construction to the east (proposed multi-story commercial), and a 2-story commercial building to the west. A map of the site boundary is shown in **Figure 2.** Currently, the Site is developed with four (4) vacant structures. The vacant structures were most recently occupied by commercial retail stores and a miscellaneous automobile garage (Lot 24). The buildings on Lots 42 and 41 have full basements. The building on Lot 40 does not have a basement. The vacant garage on Lot 24 occupies the northern part of the Lot; the remainder of the Lot is unoccupied.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a new 2-story commercial retail building. The existing four vacant structures at the Site are scheduled to be demolished by September 2016, pending NYC Department of Buildings approval. The redevelopment will consist of a full build out, with a full basement requiring excavation to approximately 19 feet below grade. The basement elevation will be 16 feet below grade. Groundwater is anticipated to be encountered at approximately 22 feet below grade. Layout of the proposed site development is presented in

Figure 3. The current zoning designation is zoned for “C6- 3” and “C4-4D” (Commercial District). The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The surrounding area is zoned as commercial and residential. The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7.5 Minute Topographic Map containing the properties indicate there are 6 sensitive receptors present within a 500 feet radius of the Subject Property: Starting Point Clinic; Minority Taskforce on Aids DBS Faces, NY; Harlem United Community Aids Center Inc.; Rice High School; Harris, Barbara; Addiction Research And Treatment Corp. The sensitive receptor Starting Point Clinic is a rehabilitation center located adjacent to the Site. Hydro Tech does not believe that the Site should adversely impact upon the sensitive receptors.

Figure 4 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to the April 2016 Phase I ESA conducted by Hydro Tech Environmental, Corp., the Site was originally developed prior to 1902 with four (4) commercial and/or residential structures (one [1] on each Subject Property tax lot). The identified structures include a 2-story building located on the southern portion of 117 West 124th Street (Lot 24) identified as a carpenter, a 4-story commercial building on 112 West 125th Street (Lot 40), the existing 4-story mixed-use commercial/residential building located on 114 West 125th Street (Lot 41) and the existing 2-story commercial building located on 116 – 188 West 125th Street (Lot 42). The current owner of the Site is FBD Acquisition LLC.

2.2 Previous Investigations

A Phase I Environmental Site Assessment was performed by Hydro Tech Environmental, Corp. in April 2016.

The Phase I ESA report is provided in **Appendix A**.

2.3 Site Inspection

Mr. A.J. Infante of Hydro Tech Environmental, Corp. performed a site inspection of the property under the direction of the QEP on April 17, 2016. Visual evidence of mold and substantial water damage was identified on drop ceiling tiles and the wooden floor throughout the first floor of the Subject Property building located at 116 – 118 West 125th Street. No visual evidence of underground storage tanks (USTs) or aboveground storage tanks (ASTs) was identified at the Subject Property. The structure located on Lot 40 was inaccessible due to structural damage from a previous building fire.

2.4 Areas of Concern

Hydro Tech Environmental, Corp. (Hydro Tech) performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property in April 2016. This assessment revealed the following Area of Concerns at the Subject Property:

- The historical use of the Subject Property as an automobile junkyard/repair-related facility;
- The historical use of the adjacent property as an automobile repair facility;
- The presence of an “E” Designation located on the Subject Property;

- The potential presence of inactive heating oil tank(s) at the Subject Property; and
- The presence of mold located at the Subject Property.

Phase I ESA report is provided in **Appendix A**.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins. The Project Geologist is 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. The Site Safety Officer is Carlos Quinonez from Hydro Tech Environmental, Corp.

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Hydro Tech Environmental, Corp. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed seven (7) soil borings across the entire project Site, and collected fourteen (14) soil samples for chemical analysis from the soil borings to evaluate soil quality. One additional boring will be completed after demolition on Lot 40;
3. Installed one (1) groundwater monitoring well on Lot 24 and collected one (1) groundwater sample for chemical analysis to evaluate groundwater quality;
4. Installed five (5) soil vapor probes around Site and collected five (5) samples for chemical analysis.
5. Collected one (1) indoor-ambient and one (1) outdoor-ambient air sample.

4.1 Geophysical Investigation

A geophysical survey was not performed during the investigation.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

A total of seven (7) soil probes designated as SP-1 through SP-8, were installed at the Site. Soil probes SP-1 and SP-2 were installed on Lot 41. SP-4 and SP-8 were installed on Lot 24. SP-3, SP-5 and SP-7 were installed on Lot 42. SP-6 was unable to be installed in the northern portion of Lot 40 due to unsafe conditions; as per OER approval, this boring will be installed after the demolition of existing damaged building.

Portable direct-push drilling equipment was utilized to install soil and soil vapor probes to a maximum depth of 25 feet below grade. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The soil was screened and characterized at 2-foot intervals. Each Macro Core was cut open and immediately screened with a Photo Ionization Detector (PID) for organic vapors, prior to collecting the required samples for laboratory analysis. No organic vapors were detected at concentrations exceeding background levels (0.1 parts per million [ppm]). No visual or olfactory evidence of soil contamination was

observed. Continuous soil samples were collected during soil probe installation. Boring logs are attached in **Appendix B.** A map showing the location of soil borings and monitor wells is shown in **Figure 5.**

Groundwater Monitoring Well Construction

One (1) groundwater monitoring well was installed on Lot 24 at the Site and designated as MW-1. The monitoring well was installed via direct-push technology utilizing Hydro Tech's fleet of Geoprobe® units. The depth to groundwater in MW-1was observed at 22 feet. The screened well interval was installed approximately 10 to 15 feet below the groundwater table in well; the monitoring well was installed to a depth of 35 feet below grade. The screened portion of the well has a slot size of 0.020 inches and was installed from 10 feet below grade to the final depth of the well. The remaining portion of the well, from zero to 10 feet consists of solid PVC riser. The outside of each well from its base to 1 foot above the highest screen section, was packed with clean filtration media (#2 sand). A bentonite seal was packed around the casing above the filtration media to 6 inches below grade. Cement was used to fill the remaining 6 inches of open well casing in conjunction with the installation of a 5-inch diameter limited-access manhole cover for the wells installed in the sidewalks. A locking cap is secured onto the end of the riser of those wells.

Monitoring well location is shown in **Figure 5**. A Monitoring Well Construction Log for MW-1 is provided in **Appendix C**.

Survey

Soil probes, groundwater monitoring well and soil vapor sampling locations were measured 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 well from the northern portion of the casing top. LNAPL was not identified in the monitoring wells during the well gauging exercise.

Groundwater was encountered at 22 feet below grade at the Site.

Soil Vapor

Five (5) soil vapor probes, designated SV-1 through SV-5, were installed to a depth of 16 feet below grade. Soil vapor probes SV-1 and SV-2 were installed in the northwestern portion of the Site in the basement located on Lot 42, SV-3 was installed in the central portion of the Site in the basement located on Lot 41, SV-4 and SV-5 were installed in the southern portion of the Site on Lot 24 and, due to unsafe conditions and as per OER approval, soil vapor probe SV-6 will be installed in the central portion of Lot 40 after the demolition of existing damaged building.
The soil vapor probes were installed in accordance with the NYSDOH 20 guidance for evaluating soil vapor intrusion dated October 2006. Each soil vapor sampling point consists 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**.

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

Fourteen (14) soil samples were collected for chemical analysis during this RI. The samples were collected from either zero to 2 feet below grade or, where present, the 2-foot interval immediately beneath the concrete basement slab (11 to 13 feet below grade) and the 2-foot interval beneath the maximum excavation depth at each boring location (19 to 21 feet below grade). Samples were collected utilizing a 4-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. 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 VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides and PCBs by EPA Method 8081/8082, Target Analyte List (TAL) metals and hexavalent and trivalent chromium. 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 **Table 1** through **Table 4**. **Figure 5** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

One (1) groundwater sample was collected for chemical analysis during this RI. The groundwater sample from monitoring well MW-1 was 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 sample was collected in laboratory-supplied jars, properly labeled with the sample number, the date and time of sampling, and 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 sample at the ELAP certified and accredited laboratory. The groundwater sample was analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides and PCBs by EPA Method 8081/8082, TAL metals.

Groundwater sample collection data is reported in **Table 5** through **Table 8**. Sampling logs with information on purging and sampling of the groundwater monitoring well is included in **Appendix D**. **Figure 5** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Five (5) soil vapor probes were installed and five (5) soil vapor samples were collected for chemical analysis during this RI. Soil vapor probes were designated as SV-1 through SV-5 and were installed to a depth of 16 feet below grade (the depth of the proposed basement / approximately 2' above the groundwater table). The soil vapor sampling locations are shown in **Figure 5.** Soil vapor sample collection data is reported in **Table 9**. A soil vapor sampling log is included in **Appendix E**. Methodologies used for soil vapor assessment conform to the NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.

Dedicated tubing was used for the soil vapor probe. A soil vapor sample from each soil vapor probe was collected utilizing 6-liter pre-cleaned, passivated, evacuated whole air Summa Canister. A 60-cm^3 plastic syringe was used to purge approximately 1 to 3 implant volumes (i.e. the volume of the sample probe and tube) prior to collecting the soil vapor samples. Each canister was then connected to a flow control valve set to collect the 6-L sample over a period of 2 hours at a rate of less than 0.2 liters per minute. In order to ensure the integrity of the borehole seal and to verify that ambient air was 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 zero 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 2 hours, and the soil vapor sampling was run on each canister for the duration of 2 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.

Consistent with the soil vapor sampling, a background outdoor air sample designated OA-1 and Indoor air sampling was also collected during the investigation. The air samples were obtained from a downwind location in the southern portion of the Site. The Ambient air sample was collected utilizing 6-liter Summa Canisters fitted with a 2-hour laboratory flow regulator with a flow rate not exceeding 0.2 liters per minute. 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 Phyllis Shiller (Lab Director)
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Phoenix Environmental Laboratories, Inc.
Chemical Analytical Methods	Soil analytical 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); Groundwater analytical 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 **Table 1** to **Table 9**. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix F** through **Appendix H**.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

The Subject Property is located in the northeast portion of the Borough of Manhattan, New York. The elevation of the Subject Property is approximately 26 feet above mean sea level (USGS 7.5-Minute Brooklyn, New York Quadrangle, 2013).

Stratigraphy

The stratigraphy of the Site is classified as medium-grained fill material with angular gravel from zero to 12 feet below grade underlain by coarse-grained sand from 12 to 25 feet below grade.

Hydrogeology

Groundwater was encountered at 22 feet below grade at the Site. According to the USGS Groundwater Conditions the regional groundwater flow direction in the vicinity of the Site is presumed to be toward the east-southeast in the direction of the Harlem and East Rivers.

5.2 Soil Chemistry

Soil/fill samples collected were compared to New York State Department of Environmental Conservation 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). Soil/fill samples collected during the RI show one volatile organic compound (VOC), acetone (max. 0.17 mg/kg), exceeding Track 1 Unrestricted Use SCOs in two deep samples. Naphthalene (max 0.012 mg/kg) was detected in the shallow sample collected from SP-8 at a concentration less than its Unrestricted Use SCO. Semi-volatile organic compounds (SVOCs) consisting of Polycyclic aromatic hydrocarbons (PAH) compounds were detected in two shallow soil samples and one deep sample at concentrations less than their respective Unrestricted Use SCO; these SVOCs include anthracene (max. 0.28 mg/kg), benzo(a)anthracene (max 0.81 mg/kg), benzo(a)pyrene (max 0.77 mg/kg), benzo(b)fluoranthene (max 0.69 mg/kg), benzo(ghi)perylene (max 0.44 mg/kg), benzo(k)fluoranthene (max 0.72 mg/kg), chrysene (max 0.98 mg/kg), fluoranthene (max 1.4 mg/kg), indeno(1,2,3-cd)pyrene (max 0.46 mg/kg), phenanthrene (max 1.2 mg/kg) and pyrene (max 1.3 mg/kg). Pesticides were detected in two shallow samples and five deep samples at

concentrations exceeding Unrestricted Use SCOs, including 4,4'-DDE (max. 0.15 mg/kg), 4,4'-DDD (max. 0.029 mg/kg) and 4,4'DDT (max. 0.063 mg/kg). Other pesticides that were detected at concentrations not exceeding Unrestricted Use SCO include chlordane and dieldrin in one shallow sample. Total Polychlorinated biphenyl (PCBs) (max. 0.65 mg/kg) were detected in the shallow samples from SP-4 and SP-8 at concentrations exceeding Track 1 SCOs. Metals were detected in all soil samples at the Site. Chromium (max. 31.1 mg/kg) was detected in one shallow sample at a concentration exceeding Unrestricted Use SCOs. Arsenic (max. 14.6 mg/kg), barium (max. 710 mg/kg), copper (max. 120 mg/kg), lead (max. 922 mg/kg), mercury (max. 0.78 mg/kg) and zinc (max. 570 mg/kg) were detected in one shallow soil sample at concentrations exceeding Unrestricted Use SCOs. Lead was also detected above its RRSCO, and barium was detected above its Restricted Commercial SCO of 400 mg/kg. Aluminum, beryllium, calcium, cobalt, iron, magnesium, manganese, nickel, potassium, sodium, vanadium were detected in the soil samples but not exceeding 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 **Table 1** through **Table 3**. **Figure 6** through **Figure 9** shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

The groundwater sample collected during the RI shows no VOCs at concentrations exceeding New York State 6 NYCRR Part 703.5 Groundwater Quality Standards (GQS). The SVOCs Fluoranthene, and Pyrene was detected at concentrations less than GQS. No other SVOCs were detected in the groundwater sample. Pesticides or PCBs were not detected in the groundwater sample. The dissolved metal Sodium (max. 156,000 µg/L) was detected in the sample and exceeded GQS. Other metals including aluminum, barium, calcium, iron, magnesium, manganese, nickel, potassium and zinc were detected but did not exceed their respective GQS.

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 **Table 6** through **Table 8**. Exceedance of applicable groundwater standards are shown.

Figure 10 through **Figure 12** shows 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 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 show low-level petroleum related and associated derivatives in each of the collected samples. Total concentrations of petroleum related VOCs (BTEX) ranged from no detection to 46 $\mu g/m^3$. SV-5 contained the highest concentration of BTEX compounds: benzene (max 1.22 $\mu g/m^3$), ethylbenzene (max 4.9 $\mu g/m^3$), toluene (max. 12.1 $\mu g/m^3$), o-xylene (10.3 $\mu g/m^3$), and m, p-xylene (max 17.7 $\mu g/m^3$. Chlorinated hydrocarbons were also detected at low-levels in soil vapor sample. 1,1,1-trichloroethane was not detected in any samples. Carbon tetrachloride (max. 0.48 $\mu g/m^3$), tetrachloroethylene (max. 11.4 $\mu g/m^3$), and trichloroethylene (max. 1.04 $\mu g/m^3$) were all detected at concentrations below their mitigation level range established within the NYSDOH soil vapor guidance matrix. Tetrachloroehylene (max. 10.9 $\mu g/m^3$) and carbon tetrachloride (max. 0.45 $\mu g/m^3$) were also detected in the indoor and outdoor ambient air samples, respectively.

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

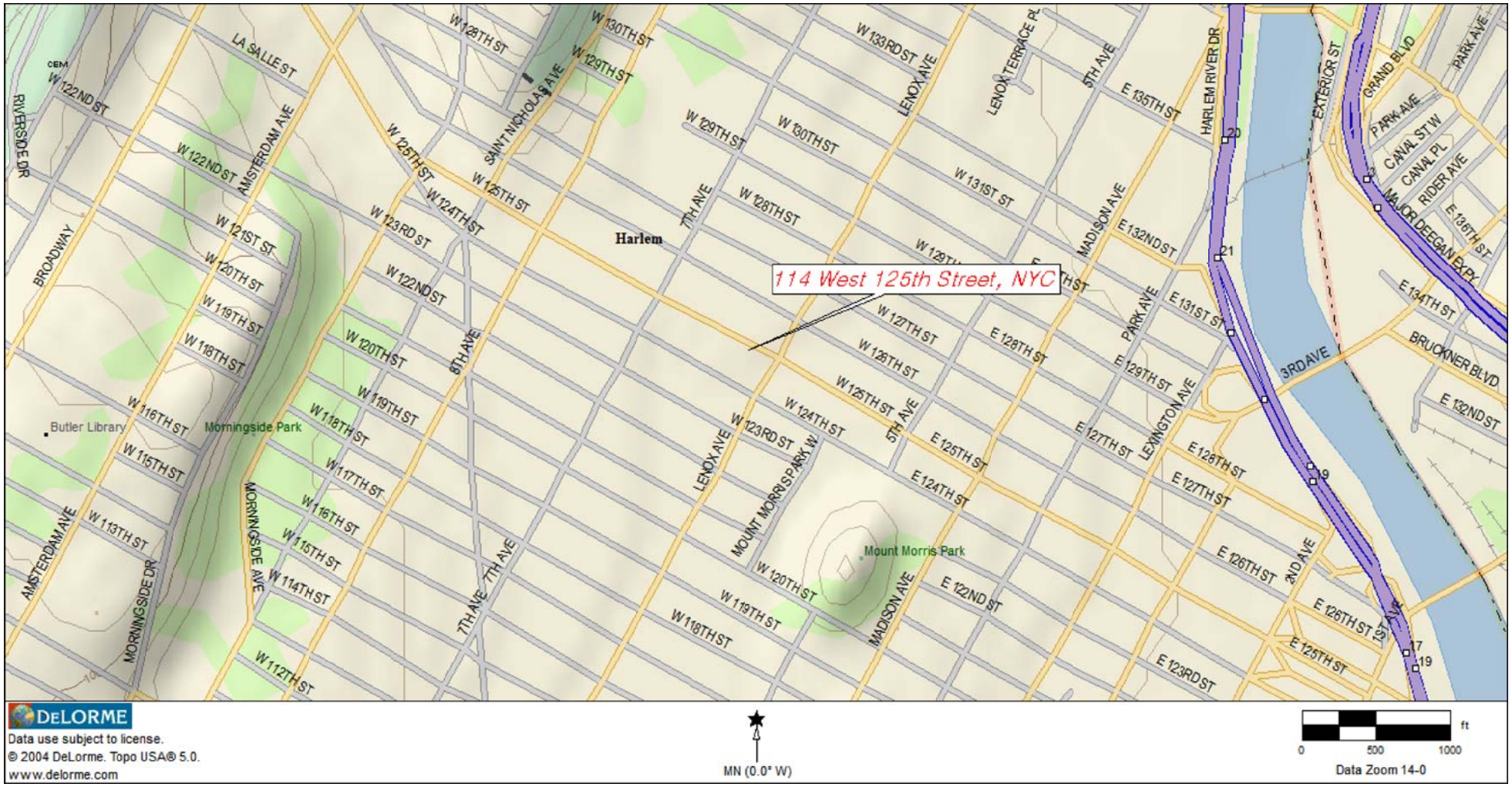
5.5 Prior Activity

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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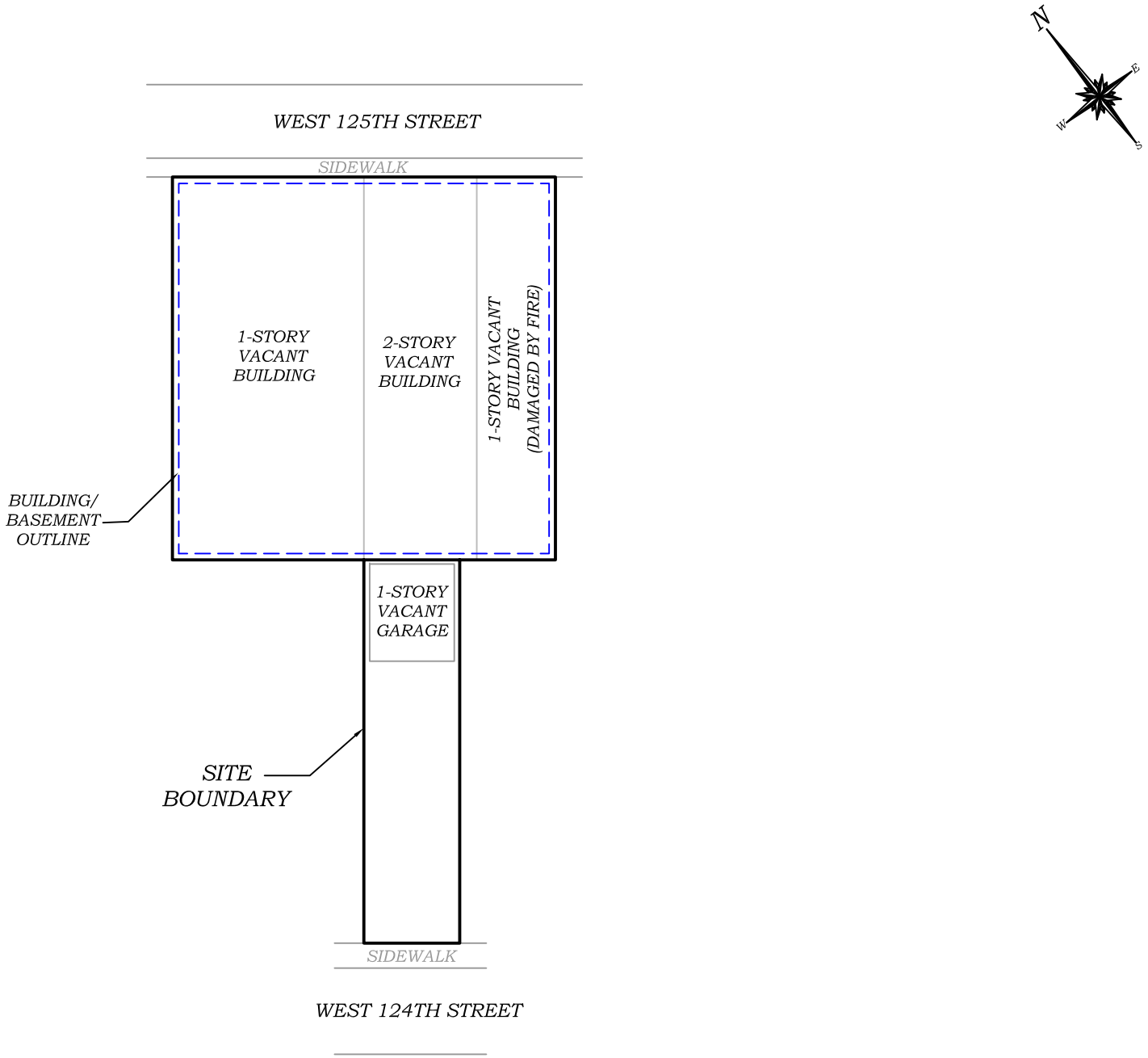
Reviewed By: A.I
Approved By: M.R
Date: 6/2/16
Scale: AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP



0' 20' 40' 60'

SCALE IN FEET (FT.)

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FIGURE 2: SITE BOUNDARY MAP

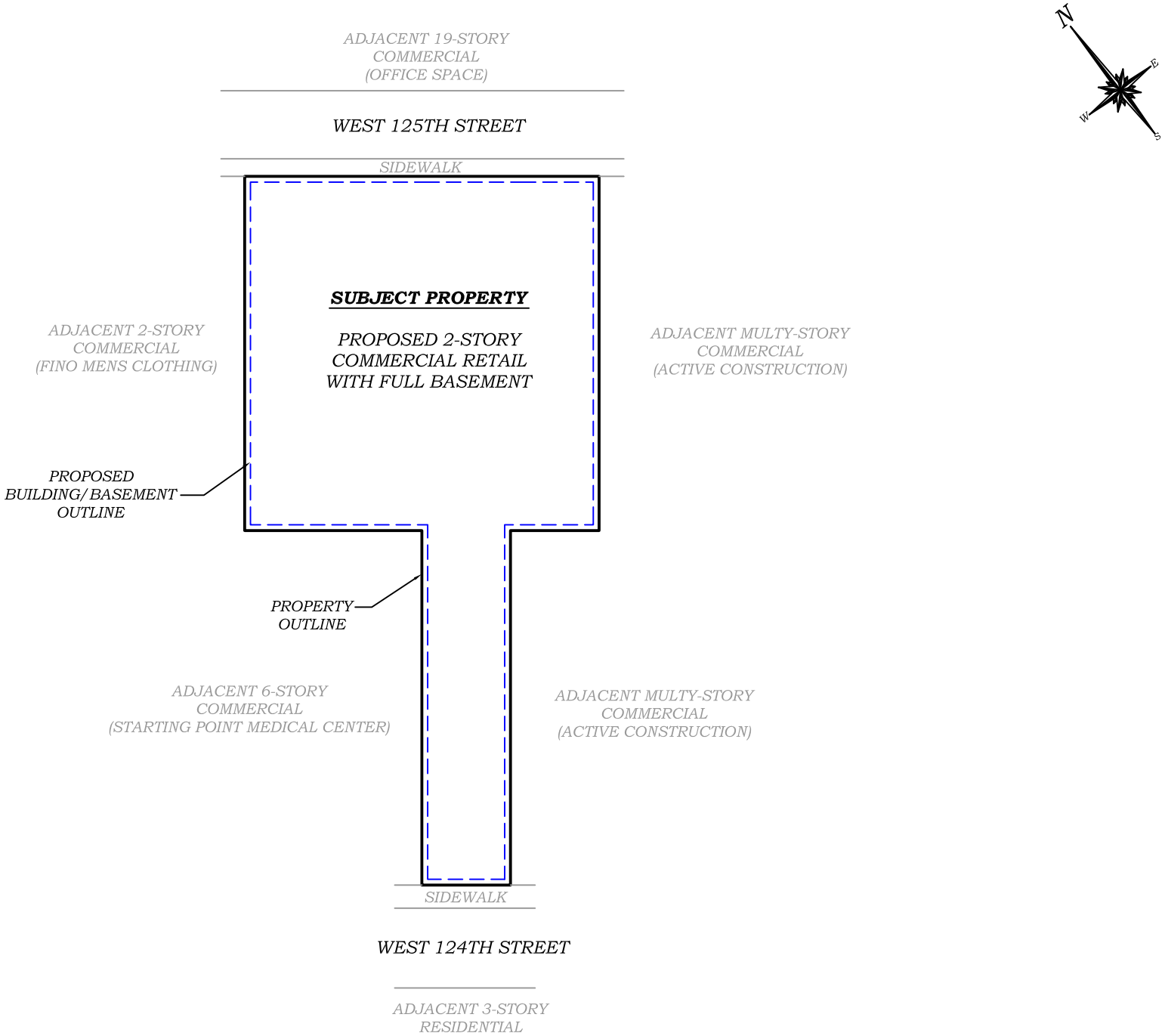

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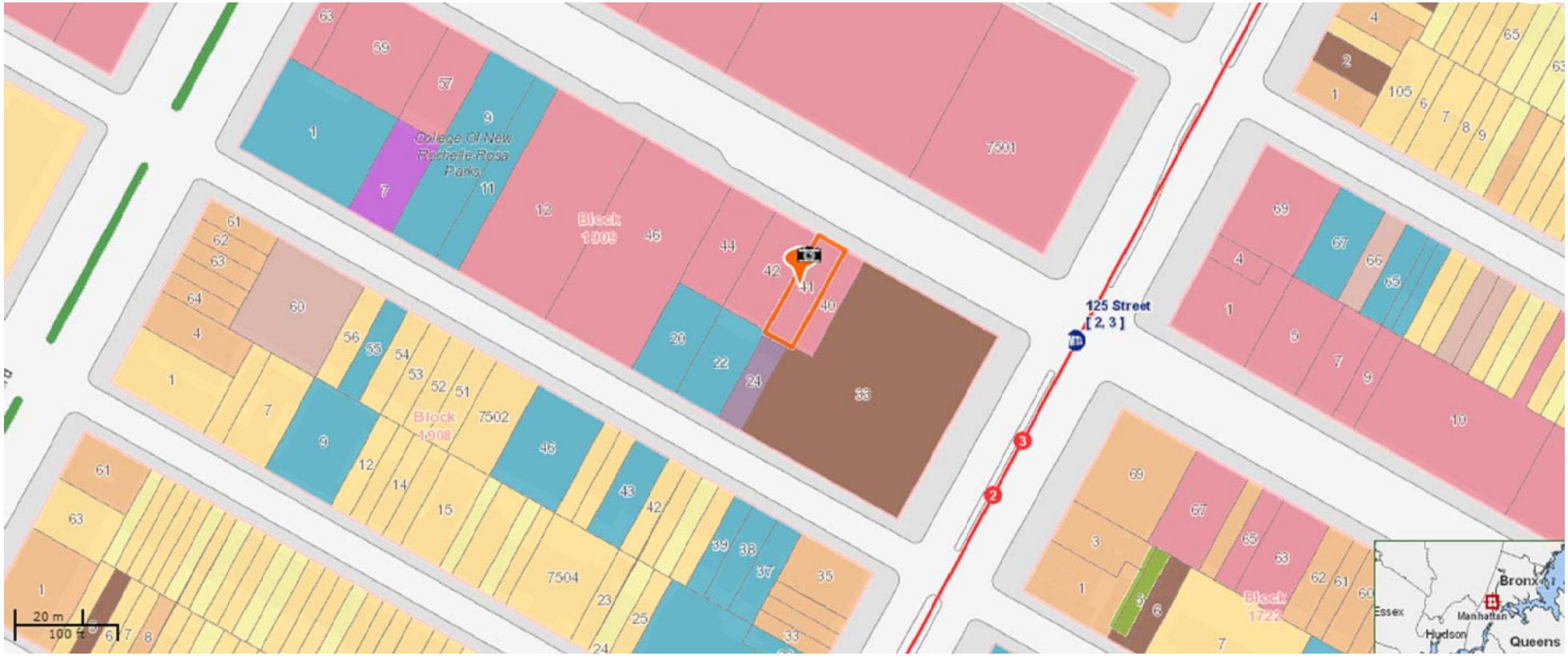
FIGURE 3: PROPOSED REDEVELOPMENT PLAN



Land Use

All land use categories

2003 2005 2007 2009 2014

- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial

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FIGURE 4: LAND USE MAP

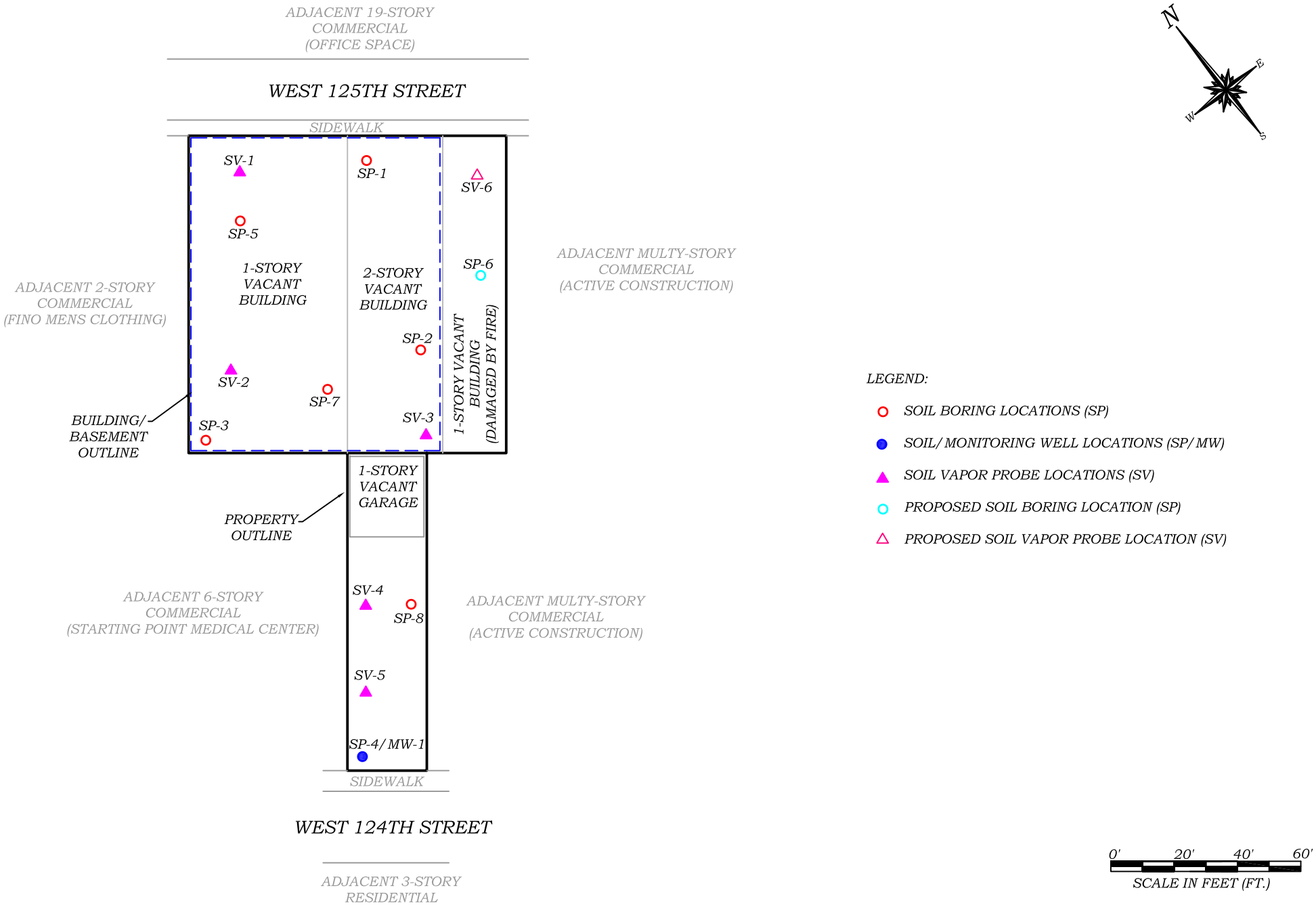

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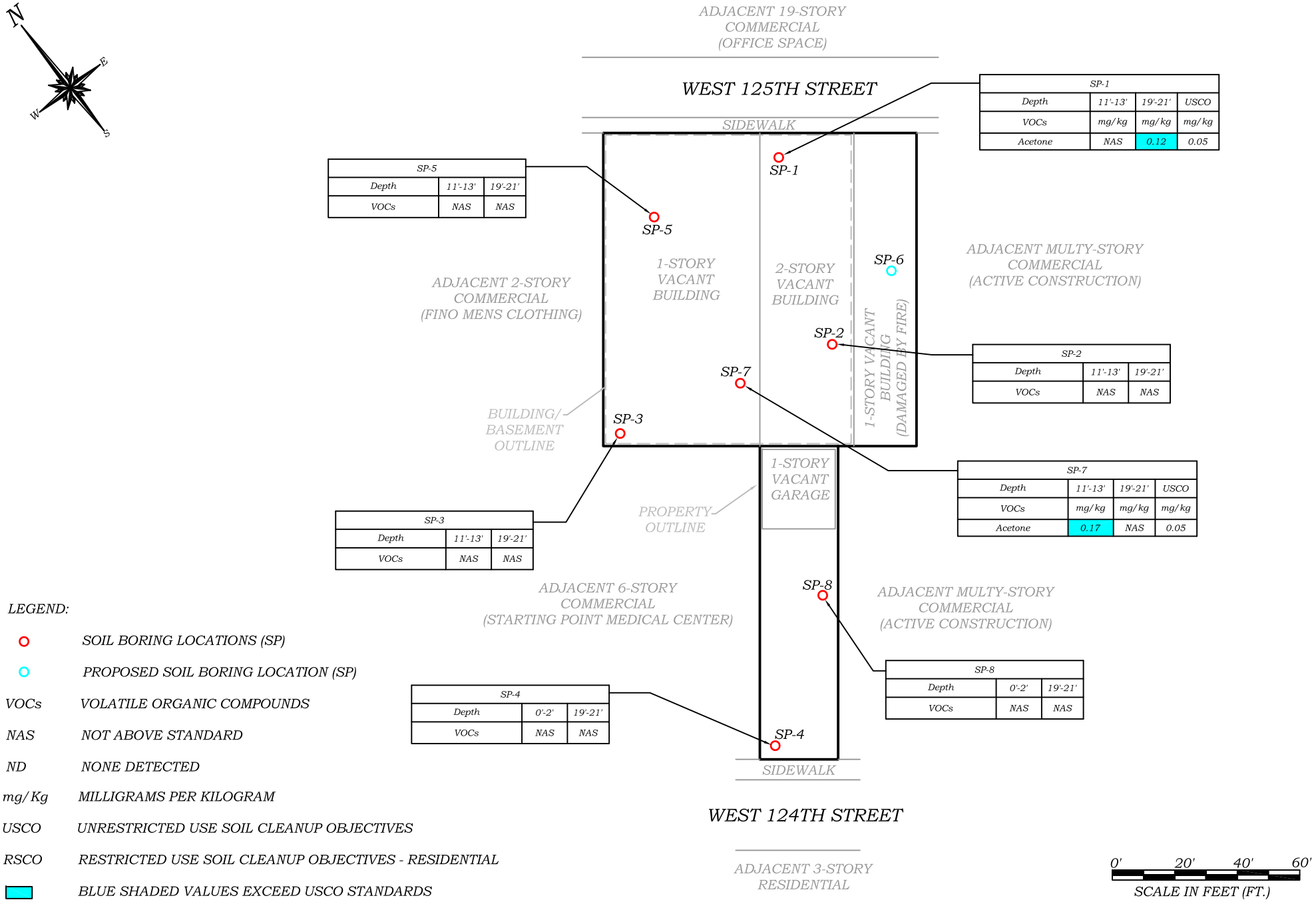
FIGURE 5: LOCATIONS OF THE SOIL BORING, MONITORING WELLS AND SOIL VAPOR SAMPLES



SP-1			
Depth	11'-13'	19'-21'	USCO
VOCs	mg/kg	mg/kg	mg/kg
Acetone	NAS	0.12	0.05

SP-5		
Depth	11'-13'	19'-21'
VOCs	NAS	NAS

SP-2		
Depth	11'-13'	19'-21'
VOCs	NAS	NAS

SP-7			
Depth	11'-13'	19'-21'	USCO
VOCs	mg/kg	mg/kg	mg/kg
Acetone	0.17	NAS	0.05

SP-3		
Depth	11'-13'	19'-21'
VOCs	NAS	NAS

SP-8		
Depth	0'-2'	19'-21'
VOCs	NAS	NAS

SP-4		
Depth	0'-2'	19'-21'
VOCs	NAS	NAS

LEGEND:

- SOIL BORING LOCATIONS (SP)
- PROPOSED SOIL BORING LOCATION (SP)
- VOCs — VOLATILE ORGANIC COMPOUNDS
- NAS — NOT ABOVE STANDARD
- ND — NONE DETECTED
- mg/Kg — MILLIGRAMS PER KILOGRAM
- USCO — UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO — RESTRICTED USE SOIL CLEANUP OBJECTIVES - RESIDENTIAL
- BLUE SHADED VALUES EXCEED USCO STANDARDS

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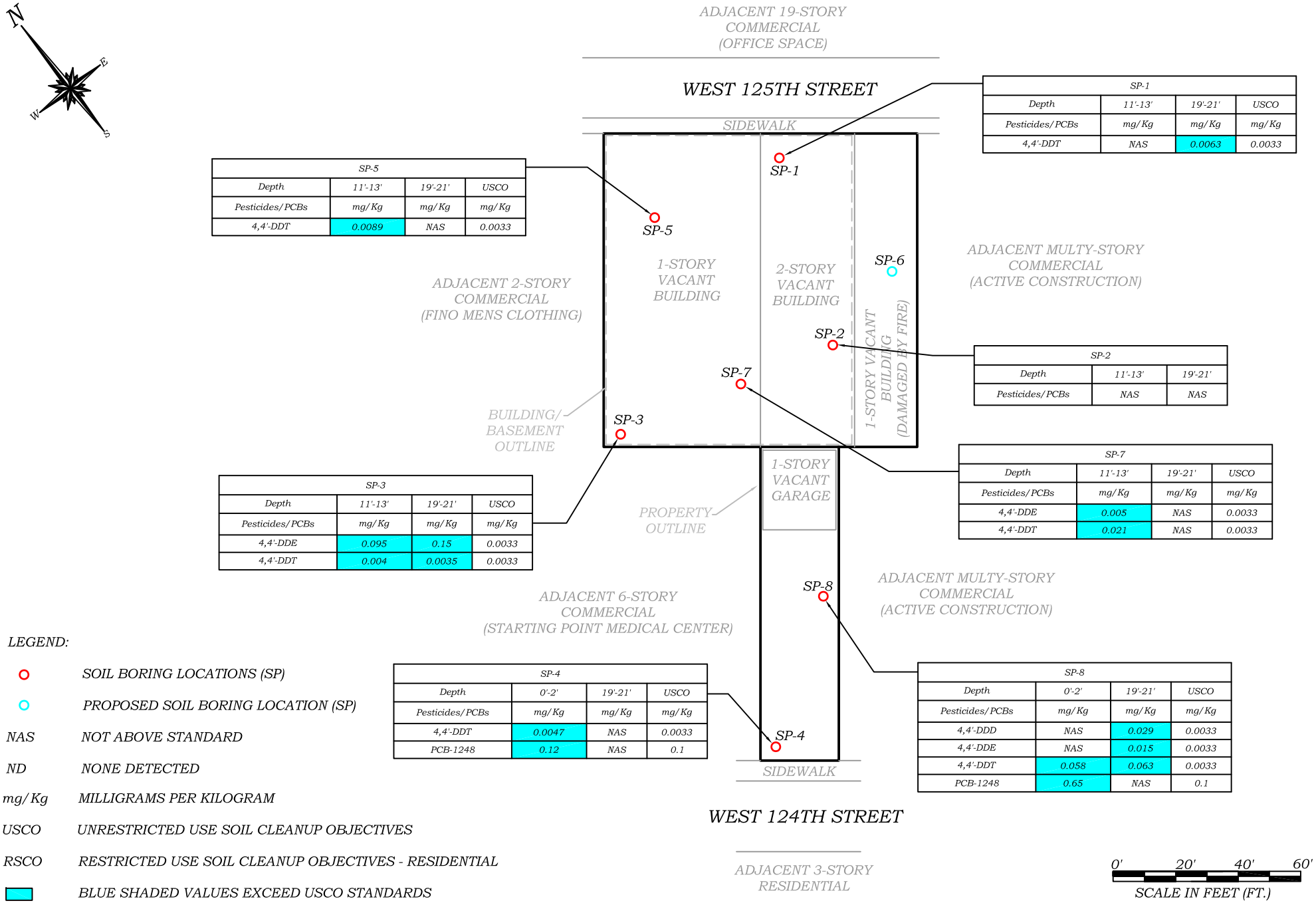
TITLE:

FIGURE 6: VOCs IN SITE SOIL



SP-1			
Depth	11'-13'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDT	NAS	0.0063	0.0033

SP-5			
Depth	11'-13'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDT	0.0089	NAS	0.0033

SP-2		
Depth	11'-13'	19'-21'
Pesticides/PCBs	NAS	NAS

SP-7			
Depth	11'-13'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDE	0.005	NAS	0.0033
4,4'-DDT	0.021	NAS	0.0033

SP-3			
Depth	11'-13'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDE	0.095	0.15	0.0033
4,4'-DDT	0.004	0.0035	0.0033

SP-4			
Depth	0'-2'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDT	0.0047	NAS	0.0033
PCB-1248	0.12	NAS	0.1

SP-8			
Depth	0'-2'	19'-21'	USCO
Pesticides/PCBs	mg/Kg	mg/Kg	mg/Kg
4,4'-DDD	NAS	0.029	0.0033
4,4'-DDE	NAS	0.015	0.0033
4,4'-DDT	0.058	0.063	0.0033
PCB-1248	0.65	NAS	0.1

LEGEND:

- SOIL BORING LOCATIONS (SP)
- PROPOSED SOIL BORING LOCATION (SP)
- NAS — NOT ABOVE STANDARD
- ND — NONE DETECTED
- mg/Kg — MILLIGRAMS PER KILOGRAM
- USCO — UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO — RESTRICTED USE SOIL CLEANUP OBJECTIVES - RESIDENTIAL
- BLUE SHADED VALUES EXCEED USCO STANDARDS

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77 ARKAY DRIVE, SUITE G
HAUPPAUGE, NEW YORK 11788
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Scale: AS NOTED

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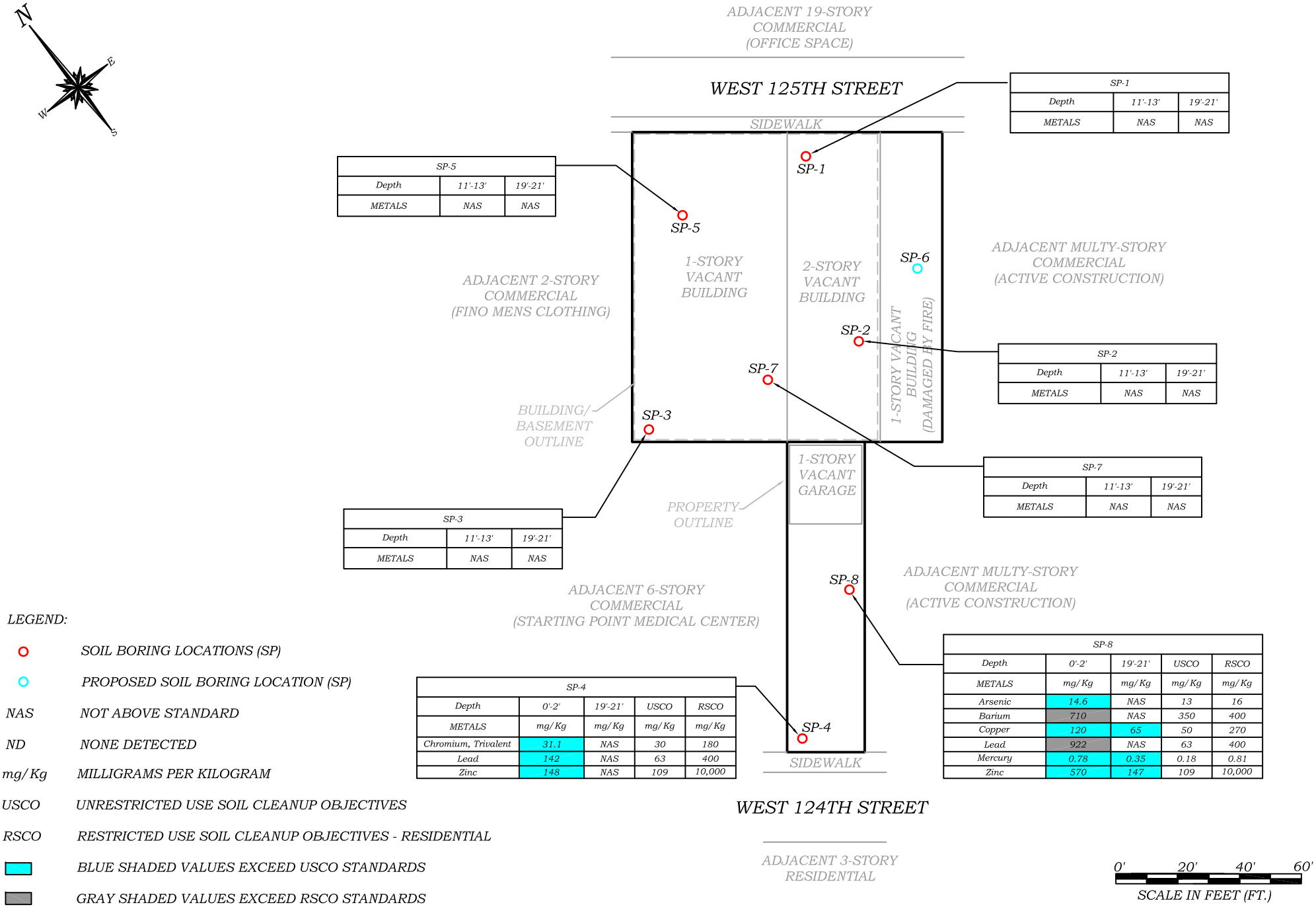
FIGURE 7: PESTICIDES/PCBs IN SITE SOIL



SP-1		
Depth	11'-13'	19'-21'
METALS	NAS	NAS

SP-5		
Depth	11'-13'	19'-21'
METALS	NAS	NAS

SP-2		
Depth	11'-13'	19'-21'
METALS	NAS	NAS

SP-7		
Depth	11'-13'	19'-21'
METALS	NAS	NAS

SP-3		
Depth	11'-13'	19'-21'
METALS	NAS	NAS

SP-8				
Depth	0'-2'	19'-21'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	14.6	NAS	13	16
Barium	710	NAS	350	400
Copper	120	65	50	270
Lead	922	NAS	63	400
Mercury	0.78	0.35	0.18	0.81
Zinc	570	147	109	10,000

SP-4				
Depth	0'-2'	19'-21'	USCO	RSCO
METALS	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chromium, Trivalent	31.1	NAS	30	180
Lead	142	NAS	63	400
Zinc	148	NAS	109	10,000

LEGEND:

- SOIL BORING LOCATIONS (SP)
- PROPOSED SOIL BORING LOCATION (SP)
- NAS — NOT ABOVE STANDARD
- ND — NONE DETECTED
- mg/Kg — MILLIGRAMS PER KILOGRAM
- USCO — UNRESTRICTED USE SOIL CLEANUP OBJECTIVES
- RSCO — RESTRICTED USE SOIL CLEANUP OBJECTIVES - RESIDENTIAL
- BLUE SHADED VALUES EXCEED USCO STANDARDS
- GRAY SHADED VALUES EXCEED RSCO STANDARDS

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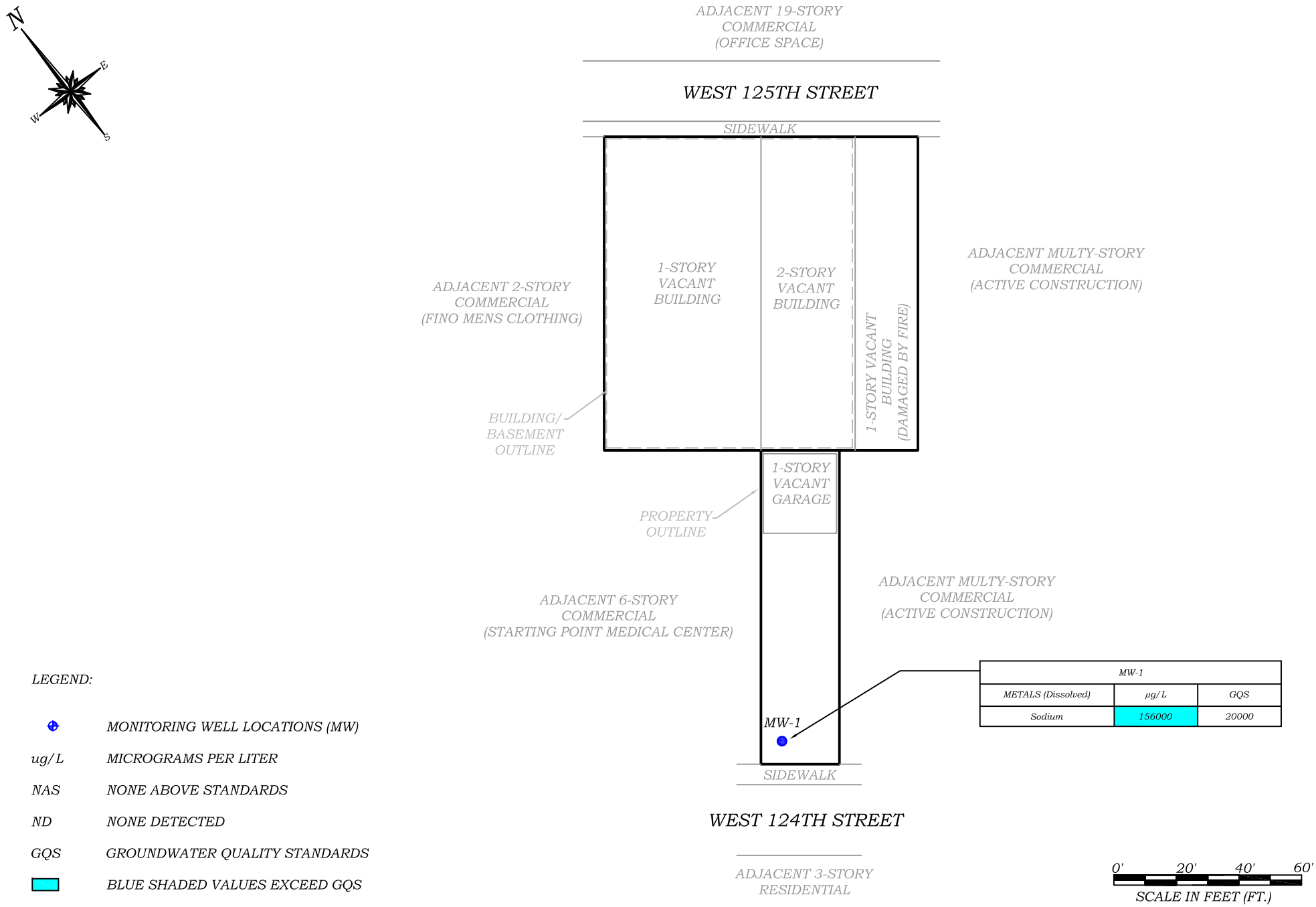
FIGURE 8: METALS IN SITE SOIL



MW-1		
METALS (Dissolved)	µg/L	GQS
Sodium	156000	20000

LEGEND:

⊕	MONITORING WELL LOCATIONS (MW)
ug/L	MICROGRAMS PER LITER
NAS	NONE ABOVE STANDARDS
ND	NONE DETECTED
GQS	GROUNDWATER QUALITY STANDARDS
▭	BLUE SHADED VALUES EXCEED GQS

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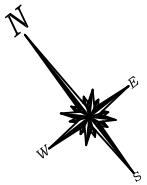
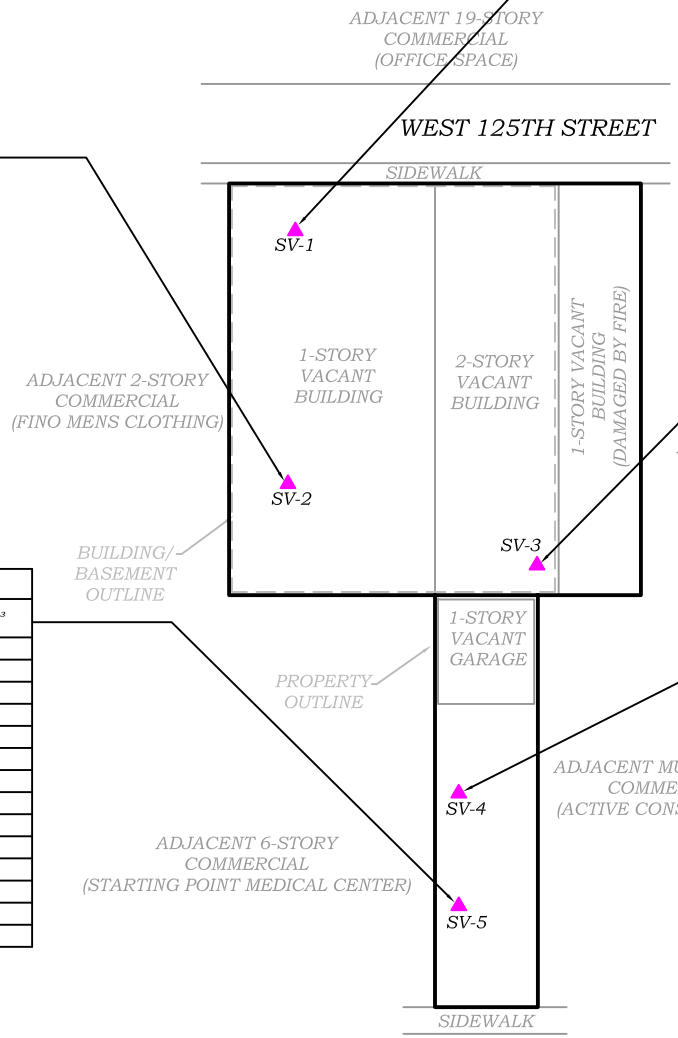
Scale: AS NOTED

TITLE:

FIGURE 9: DISSOLVED METALS IN SITE GROUNDWATER





SV-1	
VOCs	µg/m³
1,2,4-Trimethylbenzene	3.56
1,3,5-Trimethylbenzene	1.42
1,4-Dichlorobenzene	1
Acetone	27.3
Carbon Tetrachloride	0.44
Chloroform	1.43
Dichlorodifluoromethane	2.45
Carbon Disulfide	2.28
Isopropylalcohol	3.05
Methyl Ethyl Ketone	4.86
Methylene Chloride	2.41
Tetrachloroethene	2.5
Trichlorofluoromethane	1.21

SV-2	
VOCs	µg/m³
1,2,4-Trimethylbenzene	3.67
1,3,5-Trimethylbenzene	1.36
Acetone	20
Carbon Tetrachloride	0.36
Chloroform	3.54
Dichlorodifluoromethane	2.39
Ethanol	5.22
Hexane	1.01
Isopropylalcohol	3.05
m,p-Xylene	1.02
Methyl Ethyl Ketone	2.74
Methylene Chloride	2.6
Tetrachloroethene	9.49
Tetrahydrofuran	1.19
Trichloroethene	0.53
Trichlorofluoromethane	1.27

SV-3	
VOCs	µg/m³
1,2,4-Trimethylbenzene	1.12
Acetone	4.68
Carbon Tetrachloride	0.37
Chloroform	3.06
Dichlorodifluoromethane	2.38
Ethanol	1.33
Hexane	1.34
Methyl Ethyl Ketone	1.03
Methylene Chloride	4.06
Tetrachloroethene	3.37
Trichloroethene	1.04
Trichlorofluoromethane	1.26

SV-5	
VOCs	µg/m³
1,2,4-Trimethylbenzene	14.6
1,3,5-Trimethylbenzene	4.65
4-Ethyltoluene	1.13
Acetone	3.35
Benzene	1.22
Chloroform	1.92
Dichlorodifluoromethane	2.65
Ethyl benzene	4.9
m,p-Xylene	17.7
Methylene Chloride	3.71
o-Xylene	10.3
Tetrachloroethene	11.4
Toluene	12.1
Trichlorofluoromethane	1.76

SV-4	
VOCs	µg/m³
1,2,4-Trimethylbenzene	32.6
1,3,5-Trimethylbenzene	14.4
4-Ethyltoluene	5.21
4-Isopropyltoluene	1.68
Acetone	14.4
Carbon Tetrachloride	0.48
Dichlorodifluoromethane	2.8
Ethanol	23
Ethyl benzene	1.19
Isopropylalcohol	5.09
Isopropylbenzene	1.63
m,p-Xylene	6.64
Methyl Ethyl Ketone	1.22
Methylene Chloride	1.09
n-Butylbenzene	2.25
o-Xylene	4.77
Tetrachloroethene	0.58
Toluene	5.61
Trichlorofluoromethane	1.52

LEGEND:

▲ SOIL VAPOR PROBE LOCATIONS (SV)

VOC VOLATILE ORGANIC COMPOUNDS

NAS NONE ABOVE STANDARD

µg/m³ MICROGRAMS PER CUBIC METER

0' 20' 40' 60'

SCALE IN FEET (FT.)

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FIGURE 10: VOCs IN SITE SOIL VAPOR

TABLES

Table 1
Soil Samples Analytical Results for VOCs
114 W 125th St, New York, NY

Sample ID	SP-1 (11-13 FT)		SP-1 (19-21 FT)		SP-2 (11-13 FT)		SP-2 (19-21 FT)		SP-3 (11-13 FT)		SP-3 (19-21 FT)		SP-4 (0-2 FT)		SP-4 (19-21 FT)		SP-5 (11-13 FT)		SP-5 (19-21 FT)		SP-7 (11-13 FT)		SP-7 (19-21 FT)		SP-8 (0-2 FT)		SP-8 (19-21 FT)		TB LL		TB HL		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/11/2016		5/11/2016			
Client Matrix	Soil		Soil		Soil		Soil		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		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	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,1,1,2-Tetrachloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,1,1-Trichloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.68	500
1,1,2,2-Tetrachloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,1,2-Trichloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,1-Dichloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.27	240
1,1-Dichloroethene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.33	500
1,1-Dichloropropene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2,3-Trichlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2,3-Trichloropropane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2,4-Trichlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2,4-Trimethylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	3.6	190
1,2-Dibromo-3-chloropropane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2-Dibromoethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,2-Dichlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	1.1	500
1,2-Dichloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.02	30
1,2-Dichloropropane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,3,5-Trimethylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	8.4	190
1,3-Dichlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	2.4	280
1,3-Dichloropropane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
1,4-Dichlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	1.8	130
2,2-Dichloropropane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
2-Chlorotoluene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
2-Hexanone	< 0.027	U	< 0.026	U	< 0.024	U	< 0.029	U	< 0.028	U	< 0.025	U	< 0.028	U	< 0.026	U	< 0.023	U	< 0.024	U	< 0.032	U	< 0.026	U	< 0.03	U	< 0.028	U	< 0.025	U	< 1.3	U	NS	NS
2-Isopropyltoluene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
4-Chlorotoluene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
4-Methyl-2-pentanone	< 0.027	U	< 0.026	U	< 0.024	U	< 0.029	U	< 0.028	U	< 0.025	U	< 0.028	U	< 0.026	U	< 0.023	U	< 0.024	U	< 0.032	U	< 0.026	U	< 0.03	U	< 0.028	U	< 0.025	U	< 1.3	U	NS	NS
Acetone	< 0.027	U	**0.12**		< 0.024	U	< 0.029	U	< 0.028	U	< 0.025	U	< 0.028	U	< 0.026	U	< 0.023	U	< 0.024	U	**0.17**		< 0.026	U	**0.041**		< 0.028	U	< 0.025	U	< 1.3	U	0.05	500
Acrylonitrile	< 0.011	U	< 0.01	U	< 0.0098	U	< 0.011	U	< 0.011	U	< 0.0099	U	< 0.011	U	< 0.01	U	< 0.0094	U	< 0.0098	U	< 0.013	U	< 0.01	U	< 0.012	U	< 0.011	U	< 0.01	U	< 0.5	U	NS	NS
Benzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.06	44
Bromobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Bromochloromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Bromodichloromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Bromoform	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Bromomethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Carbon Disulfide	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Carbon tetrachloride	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.76	22
Chlorobenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	1.1	500
Chloroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Chloroform	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.37	350
Chloromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
cis-1,2-Dichloroethene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.25	500
cis-1,3-Dichloropropene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Dibromochloromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Dibromomethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Dichlorodifluoromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Ethylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	1	390
Hexachlorobutadiene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Isopropylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
m&p-Xylene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Methyl Ethyl Ketone	< 0.027	U	< 0.026	U	< 0.024	U	< 0.029	U	< 0.028	U	< 0.025	U	< 0.028	U	< 0.026	U	< 0.023	U	< 0.024	U	< 0.032	U	< 0.026	U	< 0.03	U	< 0.028	U	< 0.025	U	< 1.3	U	0.12	500
Methyl t-butyl ether (MTBE)	< 0.011	U	< 0.01	U	< 0.0098	U	< 0.011	U	< 0.011	U	< 0.0099	U	< 0.011	U	< 0.01	U	< 0.0094	U	< 0.0098	U	< 0.013	U	< 0.01	U	< 0.012	U	< 0.011	U	< 0.01	U	< 0.5	U	0.93	500
Methylene chloride	< 0.011	U	< 0.01	U	< 0.0098	U	< 0.011	U	< 0.011	U	< 0.0099	U	< 0.011	U	< 0.01	U	< 0.0094	U	< 0.0098	U	< 0.013	U	< 0.01	U	< 0.012	U	< 0.011	U	< 0.01	U	< 0.5	U	0.05	500
Naphthalene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	**0.012**		< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
n-Butylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	12	500
n-Propylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	3.9	500
o-Xylene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
p-Isopropyltoluene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
sec-Butylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	11	500
Styrene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
tert-Butylbenzene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	5.9	500
Tetrachloroethene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	1.3	150
Tetrahydrofuran (THF)	< 0.011	U	< 0.01	U	< 0.0098	U	< 0.011	U	< 0.011	U	< 0.0099	U	< 0.011	U	< 0.01	U	< 0.0094	U	< 0.0098	U	< 0.013	U	< 0.01	U	< 0.012	U	< 0.011	U	< 0.01	U	< 0.5	U	NS	NS
Toluene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.7	500
trans-1,2-Dichloroethene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.19	500
trans-1,3-Dichloropropene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
trans-1,4-dichloro-2-butene	< 0.011	U	< 0.01	U	< 0.0098	U	< 0.011	U	< 0.011	U	< 0.0099	U	< 0.011	U	< 0.01	U	< 0.0094	U	< 0.0098	U	< 0.013	U	< 0.01	U	< 0.012	U	< 0.011	U	< 0.01	U	< 0.5	U	NS	NS
Trichloroethene	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.47	200
Trichlorofluoromethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Trichlorotrifluoroethane	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	NS	NS
Vinyl chloride	< 0.0054	U	< 0.0052	U	< 0.0049	U	< 0.0057	U	< 0.0055	U	< 0.0049	U	< 0.0056	U	< 0.0051	U	< 0.0047	U	< 0.0049	U	< 0.0064	U	< 0.0052	U	< 0.0061	U	< 0.0055	U	< 0.005	U	< 0.25	U	0.02	13
Total VOCs	ND		0.12		ND		ND		ND		ND		ND		ND		ND		ND		0.17		ND		0.053		ND		ND		ND		NS	NS

NOTES:
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
ND=analyte not detected at or above the level indicated
= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 2
Soil Samples Analytical Results for SVOCs
114 W 125th St, New York, NY

Sample ID	SP-1 (11-13 FT)		SP-1 (19-21 FT)		SP-2 (11-13 FT)		SP-2 (19-21 FT)		SP-3 (11-13 FT)		SP-3 (19-21 FT)		SP-4 (0-2 FT)		SP-4 (19-21 FT)		SP-5 (11-13 FT)		SP-5 (19-21 FT)		SP-7 (11-13 FT)		SP-7 (19-21 FT)		SP-8 (0-2 FT)		SP-8 (19-21 FT)		TB LL		TB HL		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/11/2016		5/11/2016			
Client Matrix	Soil		Soil		Soil		Soil		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		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	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
1,2,4,5-Tetrachlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
1,2,4-Trichlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
1,2-Dichlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
1,2-Diphenylhydrazine	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
1,3-Dichlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
1,4-Dichlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,4,5-Trichlorophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,4,6-Trichlorophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,4-Dichlorophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,4-Dimethylphenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,4-Dinitrophenol	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
2,4-Dinitrotoluene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2,6-Dinitrotoluene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2-Chloronaphthalene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2-Chlorophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2-Methylnaphthalene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
2-Methylphenol (o-cresol)	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		0.33	500
2-Nitroaniline	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
2-Nitrophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
3&4-Methylphenol (m&p-cresol)	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
3,3'-Dichlorobenzidine	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
3-Nitroaniline	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
4,6-Dinitro-2-methylphenol	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
4-Bromophenyl phenyl ether	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
4-Chloro-3-methylphenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
4-Chloroaniline	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
4-Chlorophenyl phenyl ether	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
4-Nitroaniline	< 0.53	U	< 0.54	U	< 0.53	U	< 0.54	U	< 0.56	U	< 0.55	U	< 0.6	U	< 0.59	U	< 0.54	U	< 0.53	U	< 0.54	U	< 0.54	U	< 0.59	U	< 0.57	U	NT		NT		NS	NS
4-Nitrophenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Acenaphthene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		20	500
Acenaphthylene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		100	500
Acetophenone	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Aniline	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Anthracene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.28**		< 0.25	U	NT		NT		100	500
Benz(a)anthracene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.81**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.8**		< 0.25	U	NT		NT		1	5.6
Benzidine	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Benzo(a)pyrene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.74**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.77**		< 0.25	U	NT		NT		1	1
Benzo(b)fluoranthene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.69**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.67**		< 0.25	U	NT		NT		1	5.6
Benzo(ghi)perylene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.41**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.44**		< 0.25	U	NT		NT		100	500
Benzo(k)fluoranthene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.72**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.65**		< 0.25	U	NT		NT		0.8	56
Benzoic acid	< 0.66	U	< 0.68	U	< 0.66	U	< 0.67	U	< 0.69	U	< 0.69	U	< 0.75	U	< 0.74	U	< 0.68	U	< 0.66	U	< 0.68	U	< 0.67	U	< 0.74	U	< 0.71	U	NT		NT		NS	NS
Benzyl butyl phthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Bis(2-chloroethoxy)methane	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Bis(2-chloroethyl)ether	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Bis(2-chloroisopropyl)ether	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Bis(2-ethylhexyl)phthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Carbazole	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Chrysene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.88**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.98**		< 0.25	U	NT		NT		1	56
Dibenz(a,h)anthracene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		0.33	0.56
Dibenzofuran	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		7	NS
Diethyl phthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Dimethylphthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Di-n-butylphthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Di-n-octylphthalate	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Fluoranthene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**1.2**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**1.4**		**0.28**		NT		NT		100	500
Fluorene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		30	500
Hexachlorobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Hexachlorobutadiene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Hexachlorocyclopentadiene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Hexachloroethane	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
Indeno(1,2,3-cd)pyrene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.42**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**0.46**		< 0.25	U	NT		NT		0.5	5.6
Isophorone	< 0.99	U	< 0.34	U	< 0.23	U	< 0.23	U	< 1.4	U	< 0.55	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.37	U	< 0.25	U	NT		NT		NS	NS
Naphthalene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		12	500
Nitrobenzene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
N-Nitrosodimethylamine	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
N-Nitrosodi-n-propylamine	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		NS	NS
N-Nitrosodiphenylamine	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Pentachloronitrobenzene	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Pentachlorophenol	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		0.8	6.7
Phenanthrene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**0.48**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**1.2**		**0.29**		NT		NT		100	500
Phenol	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	< 0.26	U	< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	< 0.26	U	< 0.25	U	NT		NT		0.33	500
Pyrene	< 0.23	U	< 0.24	U	< 0.23	U	< 0.23	U	< 0.24	U	< 0.24	U	**1.1**		< 0.26	U	< 0.24	U	< 0.23	U	< 0.24	U	< 0.23	U	**1.3**		**0.25**		NT		NT		100	500
Pyridine	< 0.33	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.35	U	< 0.34	U	< 0.37	U	< 0.37	U	< 0.34	U	< 0.33	U	< 0.34	U	< 0.34	U	< 0.37	U	< 0.36	U	NT		NT		NS	NS
Total SVOCs	ND		ND		ND		ND		ND		ND		**7.45**		ND		ND		ND		ND		ND		**8.95**		**0.82**		NT		NT		NS	NS

NOTES:
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
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
= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 3
Soil Samples Analytical Results for Pesticides and PCB's
114 W 125th St, New York, NY

Sample ID	SP-1 (11-13 FT)		SP-1 (19-21 FT)		SP-2 (11-13 FT)		SP-2 (19-21 FT)		SP-3 (11-13 FT)		SP-3 (19-21 FT)		SP-4 (0-2 FT)		SP-4 (19-21 FT)		SP-5 (11-13 FT)		SP-5 (19-21 FT)		SP-7 (11-13 FT)		SP-7 (19-21 FT)		SP-8 (0-2 FT)		SP-8 (19-21 FT)		TB LL		TB HL		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/11/2016		5/11/2016			
Client Matrix	Soil		Soil		Soil		Soil		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		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	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
4,4' -DDD	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.0021	U	**0.0028**		< 0.0022	U	< 0.0022	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	< 0.0022	U	**0.029**		NT		NT		0.0033	92
4,4' -DDE	< 0.002	U	< 0.002	U	< 0.002	U	< 0.002	U	**0.095**		**0.15**		< 0.0022	U	< 0.0022	U	< 0.002	U	< 0.002	U	**0.005**		< 0.002	U	< 0.023	U	**0.015**		NT		NT		0.0033	62
4,4' -DDT	**0.0026**		**0.0063**		< 0.002	U	< 0.002	U	**0.004**		**0.0035**		**0.0047**		< 0.0022	U	**0.0089**		< 0.002	U	**0.021**		< 0.002	U	**0.058**		**0.063**		NT		NT		0.0033	47
a-BHC	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		0.02	3.4
a-Chlordane	< 0.0033	U	< 0.0034	U	< 0.0033	U	< 0.0034	U	< 0.0035	U	< 0.0034	U	< 0.0037	U	< 0.0036	U	< 0.0033	U	< 0.0033	U	< 0.0033	U	< 0.0034	U	< 0.016	U	< 0.0035	U	NT		NT		0.094	24
Aldrin	< 0.0033	U	< 0.0034	U	< 0.0033	U	< 0.0034	U	< 0.0035	U	< 0.0034	U	< 0.0037	U	< 0.0036	U	< 0.0033	U	< 0.0033	U	< 0.0033	U	< 0.0034	U	< 0.0067	U	< 0.0035	U	NT		NT		0.005	0.68
b-BHC	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		0.036	3
Chlordane	< 0.033	U	< 0.033	U	< 0.033	U	< 0.034	U	< 0.035	U	< 0.034	U	**0.14**		< 0.036	U	< 0.033	U	< 0.033	U	< 0.033	U	< 0.034	U	< 0.037	U	< 0.035	U	NT		NT		NS	NS
d-BHC	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		0.04	500
Dieldrin	< 0.0033	U	< 0.0034	U	< 0.0033	U	< 0.0034	U	< 0.0035	U	< 0.0034	U	**0.004**		< 0.0036	U	< 0.0033	U	< 0.0033	U	< 0.0033	U	< 0.0034	U	< 0.0074	U	< 0.0035	U	NT		NT		0.005	1.4
Endosulfan I	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		2.4	200
Endosulfan II	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		2.4	200
Endosulfan sulfate	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		2.4	200
Endrin	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		0.014	89
Endrin aldehyde	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		NS	NS
Endrin ketone	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		NS	NS
g-BHC	< 0.0013	U	< 0.0013	U	< 0.0013	U	< 0.0013	U	< 0.0014	U	< 0.0014	U	< 0.0015	U	< 0.0015	U	< 0.0013	U	< 0.0013	U	< 0.0013	U	< 0.0013	U	< 0.0037	U	< 0.0014	U	NT		NT		0.1	9.2
g-Chlordane	< 0.0033	U	< 0.0034	U	< 0.0033	U	< 0.0034	U	< 0.0035	U	< 0.0034	U	< 0.0037	U	< 0.0036	U	< 0.0033	U	< 0.0033	U	< 0.0033	U	< 0.0034	U	< 0.016	U	< 0.0035	U	NT		NT		NS	NS
Heptachlor	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		0.042	15
Heptachlor epoxide	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.007	U	< 0.0068	U	< 0.0073	U	< 0.0073	U	< 0.0066	U	< 0.0067	U	< 0.0067	U	< 0.0067	U	< 0.0074	U	< 0.0071	U	NT		NT		NS	NS
Methoxychlor	< 0.033	U	< 0.033	U	< 0.033	U	< 0.034	U	< 0.035	U	< 0.034	U	< 0.037	U	< 0.036	U	< 0.033	U	< 0.033	U	< 0.033	U	< 0.034	U	< 0.037	U	< 0.035	U	NT		NT		NS	NS
PCB-1016	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1221	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1232	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1242	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1248	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	**0.65**		< 0.071	U	NT		NT		0.1	1
PCB-1254	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	**0.12**		< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1260	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		0.1	1
PCB-1262	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		NS	NS
PCB-1268	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.07	U	< 0.068	U	< 0.073	U	< 0.073	U	< 0.066	U	< 0.067	U	< 0.067	U	< 0.067	U	< 0.074	U	< 0.071	U	NT		NT		NS	NS
Toxaphene	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.14	U	< 0.14	U	< 0.15	U	< 0.15	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.13	U	< 0.15	U	< 0.14	U	NT		NT		NS	NS

NOTES:
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
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

= sample exceeds NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Table 4
Soil Samples Analytical Results for Metals
114 W 125th St, New York, NY

Sample ID	SP-1 (11-13 FT)		SP-1 (19-21 FT)		SP-2 (11-13 FT)		SP-2 (19-21 FT)		SP-3 (11-13 FT)		SP-3 (19-21 FT)		SP-4 (0-2 FT)		SP-4 (19-21 FT)		SP-5 (11-13 FT)		SP-5 (19-21 FT)		SP-7 (11-13 FT)		SP-7 (19-21 FT)		SP-8 (0-2 FT)		SP-8 (19-21 FT)		TB LL		TB HL		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Commercial
Sampling Date	5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/9/2016		5/11/2016		5/11/2016			
Client Matrix	Soil		Soil		Soil		Soil		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		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	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/Kg	mg/Kg
Aluminum	3,460		3,880		4,860		2,180		5,570		6,270		9,270		2,860		5,310		6,340		4,000		3,650		9,620		4,090		NT		NT		NS	NS
Antimony	< 3.3	U	< 3.1	U	< 3.4	U	< 3.0	U	< 3.1	v	< 3.5	U	< 3.3		< 3.6	U	< 3.0	U	< 3.1	U	< 3.1		< 3.1	U	< 3.5	U	< 3.7	U	NT		NT		NS	NS
Arsenic	1.4		1.4		1.4		< 0.6	U	2.6		2.5		6.8		< 0.7	U	1.6		1.6		2		1.4		14.6		2.1		NT		NT		13	16
Barium	39.8		67		45.1		19.3		57.6		60.4		198		21.2		38.1		49.9		68.4		30		710		41.9		NT		NT		350	400
Beryllium	0.28		0.34		0.36		< 0.24	U	0.37		0.4		0.4		< 0.28	U	0.27		0.4		0.27		0.26		0.46		< 0.29	U	NT		NT		7.2	590
Cadmium	< 0.33	U	< 0.31	U	< 0.34	U	< 0.30	U	< 0.31		< 0.35	U	< 0.33	U	< 0.36	U	< 0.30	U	< 0.31	U	< 0.31	U	< 0.31	U	1.69		0.54		NT		NT		2.5	9.3
Calcium	6,470		8,030		2,960		738		30,200		26,200		33,200		1,150		3,580		1,620		8,360		1,210		46,900		1,820		NT		NT		NS	NS
Chromium	10.7		13.9		14.9		5.34		14.4		13.1		31.1		10.2		10.4		17		11.8		9.69		29.7		15.4		NT		NT		30	NS
Chromium, Hexavalent	< 0.40	U	< 0.41	U	< 0.41	U	< 0.41	U	< 0.42		< 0.42	U	< 0.45	U	< 0.44		< 0.41	U	< 0.40	U	< 0.41	U	< 0.41	U	< 0.45	U	0.75		NT		NT		NS	NS
Cobalt	3.81		5.61		4.95		2.15		4.72		6.05		9.87		3.35		4.37		6.17		4.58		3.45		9.07		6.52		NT		NT		NS	NS
Copper	13.4		19.7		15.8		4.66		18.8		22.5		38.2		7.81		13.9		21.1		31.1		9.06		120		65		NT		NT		50	270
Iron	7,300		8,350		9,180		4,310		9,300		11,100		16,200		6,540		8,710		10,900		7,560		7,800		21,100		10,100		NT		NT		NS	NS
Lead	22.9		36		8.23		1.53		11.4		11		142		1.7		6.57		6.52		30.3		2.69		922		16.6		NT		NT		63	1,000
Magnesium	1,790		2,620		2,150		962		4,840		3,890		7,120		1,380		2,300		2,680		2,500		1,450		7,830		2,010		NT		NT		NS	NS
Manganese	307		351		345		293		329		401		262		251		322		424		339		318		311		365		NT		NT		1,600	10,000
Mercury	0.03		0.04		< 0.03	U	< 0.03	U	0.04		0.03		0.15		< 0.03	U	< 0.03	U	< 0.03	U	0.17		< 0.03	U	0.78		0.35		NT		NT		0.18	2.8
Nickel	9.16		13.6		11		5.4		10.5		13.9		21.9		9.46		10.8		14.1		11.3		8.45		28.2		22.4		NT		NT		30	310
Potassium	756		978		1,350		539		1,260		1,360		3,330		639		1,000		1,280		1,010		828		2,800		679		NT		NT		NS	NS
Selenium	< 1.3	U	< 1.3	U	< 1.4		< 1.2	U	< 1.2	U	< 1.4	U	< 1.3	U	< 1.4	U	< 1.2	U	< 1.3	U	< 1.2	U	< 1.3	U	< 1.4	U	< 1.5	U	NT		NT		3.9	1,500
Silver	< 0.33	U	< 0.31		< 0.34	U	< 0.30	U	< 0.31	U	< 0.35	U	< 0.33	U	< 0.36	U	< 0.30	U	< 0.31	U	< 0.31	U	< 0.31	U	0.69		0.46		NT		NT		2	1,500
Sodium	243		293		250		95.4		255		235		440		99.8		131		236		572		125		552		235		NT		NT		NS	NS
Thallium	< 3.0	U	< 2.8	U	< 3.1		< 2.7	U	< 2.8	U	< 3.1	U	< 3.0	U	< 3.2	U	< 2.7	U	< 2.8	U	< 2.8	U	< 2.8	U	< 3.1	U	< 3.3	U	NT		NT		NS	NS
Trivalent Chromium	10.7		13.9		14.9		5.34		14.4		13.1		31.1		10.2		10.4		17		11.8		9.69		29.7		14.65		NT		NT		30	1,500
Vanadium	12.6		15.5		16.6		5.65		14.8		16		39.5		11.8		14.9		18.3		13.4		13.2		45		35.1		NT		NT		NS	NS
Zinc	20.6		43.1		16.1		7.17		26		30.2		148		11.4		16.4		18.8		55.1		11		570		147		NT		NT		109	10,000

NOTES:
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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

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

Table 5

Groundwater Samples Analytical Results for VOC's

114 W 125th St, New York, NY

Sample ID	MW-1		FIELD BLANK-1		FIELD BLANK-2		NYSDEC TAGM Standards and Guidance Values - GA	NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/11/2016		5/9/2016		5/11/2016			
Client Matrix	Groundwater		Groundwater		Groundwater			
Compound	Result		Result		Result			
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	ug/L
1,1,1,2-Tetrachloroethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
1,1,1-Trichloroethane	< 1.0	U	< 1.0	U	< 1.0	U	5	5
1,1,2,2-Tetrachloroethane	< 0.50	U	< 0.50	U	< 0.50	U	5	5
1,1,2-Trichloroethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	1
1,1-Dichloroethane	< 1.0	U	< 1.0	U	< 1.0	U	5	5
1,1-Dichloroethene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
1,1-Dichloropropene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
1,2,3-Trichlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	NS
1,2,3-Trichloropropane	< 1.0	U	< 1.0	U	< 1.0	U	5	0.04
1,2,4-Trichlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	NS
1,2,4-Trimethylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
1,2-Dibromo-3-chloropropane	< 1.0	U	< 1.0	U	< 1.0	U	NS	0.04
1,2-Dibromoethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	0.0006
1,2-Dichlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	4.7	NS
1,2-Dichloroethane	< 0.60	U	< 0.60	U	< 0.60	U	5	0.6
1,2-Dichloropropane	< 1.0	U	< 1.0	U	< 1.0	U	NS	1
1,3,5-Trimethylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
1,3-Dichlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	5	3
1,3-Dichloropropane	< 1.0	U	< 1.0	U	< 1.0	U	5	5
1,4-Dichlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	5	NS
2,2-Dichloropropane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
2-Chlorotoluene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
2-Hexanone	< 5.0	U	< 5.0	U	< 5.0	U	NS	50
2-Isopropyltoluene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
4-Chlorotoluene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
4-Methyl-2-pentanone	< 5.0	U	< 5.0	U	< 5.0	U	50	NS
Acetone	< 25	U	< 25	U	< 25	U	50	50
Acrylonitrile	< 5.0	U	< 5.0	U	< 5.0	U	NS	5
Benzene	< 0.70	U	< 0.70	U	< 0.70	U	0.7	1
Bromobenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Bromochloromethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Bromodichloromethane	< 0.50	U	< 0.50	U	< 0.50	U	NS	50
Bromoform	< 1.0	U	< 1.0	U	< 1.0	U	NS	50
Bromomethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Carbon Disulfide	< 5.0	U	< 5.0	U	< 5.0	U	50	NS
Carbon tetrachloride	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Chlorobenzene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Chloroethane	< 1.0	U	< 1.0	U	< 1.0	U	50	5
Chloroform	< 1.0	U	< 1.0	U	< 1.0	U	7	7
Chloromethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
cis-1,2-Dichloroethene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
cis-1,3-Dichloropropene	< 0.40	U	< 0.40	U	< 0.40	U	NS	0.4
Dibromochloromethane	< 0.50	U	< 0.50	U	< 0.50	U	50	50
Dibromomethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Dichlorodifluoromethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Ethylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Hexachlorobutadiene	< 0.40	U	< 0.40	U	< 0.40	U	NS	0.5
Isopropylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
m&p-Xylene	< 1.0	U	< 1.0	U	< 1.0	U	NS	NS
Methyl ethyl ketone	< 5.0	U	< 5.0	U	< 5.0	U	50	50
Methyl t-butyl ether (MTBE)	< 1.0	U	< 1.0	U	< 1.0	U	NS	NS
Methylene chloride	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Naphthalene	< 1.0	U	< 1.0	U	< 1.0	U	5	10
n-Butylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
n-Propylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
o-Xylene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
p-Isopropyltoluene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
sec-Butylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Styrene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
tert-Butylbenzene	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Tetrachloroethene	**1.3**		< 1.0	U	< 1.0	U	5	5
Tetrahydrofuran (THF)	< 2.5	U	< 2.5	U	< 2.5	U	NS	50
Toluene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Total Xylenes	< 1.0	U	< 1.0	U	< 1.0	U	5	5
trans-1,2-Dichloroethene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
trans-1,3-Dichloropropene	< 0.40	U	< 0.40	U	< 0.40	U	NS	0.4
trans-1,4-dichloro-2-butene	< 5.0	U	< 5.0	U	< 5.0	U	NS	5
Trichloroethene	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Trichlorofluoromethane	< 1.0	U	< 1.0	U	< 1.0	U	NS	5
Trichlorotrifluoroethane	< 1.0	U	< 1.0	U	< 1.0	U	5	5
Vinyl chloride	< 1.0	U	< 1.0	U	< 1.0	U	2	2
Total VOCs	**1.3**		ND		ND		NS	NS

NOTES:

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

ND=analyte not detected at or above the level indicated

Table 6

Groundwater Samples Analytical Results for SVOC's

114 W 125th St, New York, NY

Sample ID	MW-1		FIELD BLANK-1		FIELD BLANK-2		NYSDEC TAGM Standards and Guidance Values - GA	NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/11/2016		5/9/2016		5/11/2016			
Client Matrix	Groundwater		Groundwater		Groundwater			
Compound	Result		Result		Result			
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	ug/L
1,2,4-Trichlorobenzene	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
1,2-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.7	U	4.7	NS
1,2-Diphenylhydrazine	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
1,3-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.7	U	5	3
1,4-Dichlorobenzene	< 2.5	U	< 2.5	U	< 2.7	U	5	NS
2,4,5-Trichlorophenol	< 1.0	U	< 1.0	U	< 1	U	1	1
2,4,6-Trichlorophenol	< 1.0	U	< 1.0	U	< 1	U	NS	1
2,4-Dichlorophenol	< 1.0	U	< 1.0	U	< 1	U	1	5
2,4-Dimethylphenol	< 1.0	U	< 1.0	U	< 1	U	NS	5
2,4-Dinitrophenol	< 1.0	U	< 1.0	U	< 1	U	5	5
2,4-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5	U	NS	5
2,6-Dinitrotoluene	< 5.0	U	< 5.0	U	< 5	U	5	5
2-Chloronaphthalene	< 5.0	U	< 5.0	U	< 5.3	U	NS	10
2-Chlorophenol	< 1.0	U	< 1.0	U	< 1	U	50	1
2-Methylphenol (o-cresol)	< 1.0	U	< 1.0	U	< 1	U	5	1
2-Nitroaniline	< 5.0	U	< 5.0	U	< 5	U	5	5
2-Nitrophenol	< 1.0	U	< 1.0	U	< 1	U	5	1
3&4-Methylphenol (m&p-cresol)	< 10	U	< 10	U	< 11	U	NS	NS
3,3'-Dichlorobenzidine	< 5.0	U	< 5.0	U	< 5	U	NS	5
3-Nitroaniline	< 5.0	U	< 5.0	U	< 5	U	5	5
4,6-Dinitro-2-methylphenol	< 1.0	U	< 1.0	U	< 1	U	NS	1
4-Bromophenyl phenyl ether	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
4-Chloro-3-methylphenol	< 1.0	U	< 1.0	U	< 1	U	5	1
4-Chloroaniline	< 5.0	U	< 5.0	U	< 5	U	5	5
4-Chlorophenyl phenyl ether	< 1.0	U	< 1.0	U	< 1.1	U	NS	NS
4-Nitroaniline	< 5.0	U	< 5.0	U	< 5	U	NS	5
4-Nitrophenol	< 1.0	U	< 1.0	U	< 1	U	5	1
Acetophenone	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
Aniline	< 5.0	U	< 5.0	U	< 5	U	5	5
Benzidine	< 5.0	U	< 5.0	U	< 5	U	NS	5
Benzoic acid	< 50	U	< 50	U	< 50	U	50	NS
Benzyl butyl phthalate	< 5.0	U	< 5.0	U	< 5.3	U	50	50
Bis(2-chloroethoxy)methane	< 5.0	U	< 5.0	U	< 5	U	NS	5
Bis(2-chloroethyl)ether	< 1.0	U	< 1.0	U	< 1	U	NS	1
Bis(2-chloroisopropyl)ether	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
Carbazole	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
Dibenzofuran	< 5.0	U	< 5.0	U	< 5	U	5	NS
Diethyl phthalate	< 5.0	U	< 5.0	U	< 5.3	U	50	50
Dimethylphthalate	< 5.0	U	< 5.0	U	< 5.3	U	50	50
Di-n-butylphthalate	< 5.0	U	< 5.0	U	< 5.3	U	50	50
Di-n-octylphthalate	< 5.0	U	< 5.0	U	< 5.3	U	50	50
Hexachlorocyclopentadiene	< 5.0	U	< 5.0	U	< 5	U	NS	5
Isophorone	< 5.0	U	< 5.0	U	< 5.3	U	50	50
N-Nitrosodimethylamine	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
N-Nitrosodi-n-propylamine	< 5.0	U	< 5.0	U	< 5.3	U	NS	NS
N-Nitrosodiphenylamine	< 5.0	U	< 5.0	U	< 5.3	U	NS	50
Phenol	< 1.0	U	< 1.0	U	< 1	U	1	1
1,2,4,5-Tetrachlorobenzene	< 0.50	U	< 0.50	U	< 0.53	U	NS	NS
2-Methylnaphthalene	< 1.0	U	< 1.0	U	< 1.1	U	50	NS
Acenaphthene	< 0.05	U	< 0.05	U	< 0.05	U	20	20
Acenaphthylene	< 0.05	U	< 0.05	U	< 0.05	U	20	NS
Anthracene	< 0.02	U	< 0.02	U	< 0.02	U	50	50
Benz(a)anthracene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	0.002
Benzo(a)pyrene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	NS
Benzo(b)fluoranthene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	0.002
Benzo(ghi)perylene	< 0.50	U	< 0.50	U	< 0.53	U	5	NS
Benzo(k)fluoranthene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	0.002
Bis(2-ethylhexyl)phthalate	< 0.50	U	< 0.50	U	< 0.53	U	50	5
Chrysene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	0.002
Dibenz(a,h)anthracene	< 0.02	U	< 0.02	U	< 0.02	U	50	NS
Fluoranthene	**0.04**		< 0.04	U	< 0.04	U	50	50
Fluorene	< 0.10	U	< 0.10	U	< 0.11	U	50	50
Hexachlorobenzene	< 0.04	U	< 0.04	U	< 0.04	U	0.35	0.04
Hexachlorobutadiene	< 0.50	U	< 0.50	U	< 0.53	U	NS	0.5
Hexachloroethane	< 0.50	U	< 0.50	U	< 0.53	U	NS	5
Indeno(1,2,3-cd)pyrene	< 0.02	U	< 0.02	U	< 0.02	U	0.002	0.002
Naphthalene	< 0.10	U	< 0.10	U	< 0.11	U	10	10
Nitrobenzene	< 0.10	U	< 0.10	U	< 0.11	U	5	0.4
Pentachloronitrobenzene	< 0.10	U	< 0.10	U	< 0.11	U	NS	NS
Pentachlorophenol	< 0.80	U	< 0.80	U	< 0.85	U	1	1
Phenanthrene	< 0.05	U	< 0.05	U	< 0.05	U	50	50
Pyrene	**0.02**		< 0.02	U	< 0.02	U	50	50
Pyridine	< 0.50	U	< 0.50	U	< 0.53	U	NS	50
Total SVOCs	**0.06**		ND		ND		NS	NS

NOTES:

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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

Table 7

Groundwater Samples Analytical Results for Pesticides & PCBs

114 W 125th St, New York, NY

Sample ID	MW-1		FIELD BLANK-1		FIELD BLANK-2		NYSDEC TAGM Standards and Guidance Values - GA	NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/11/2016		5/9/2016		5/11/2016			
Client Matrix	Groundwater		Groundwater		Groundwater			
Compound	Result		Result		Result			
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	ug/L
4,4' -DDD	< 0.005	U	< 0.007	U	< 0.005	U	0.01	0.3
4,4' -DDE	< 0.005	U	< 0.007	U	< 0.005	U	0.01	0.2
4,4' -DDT	< 0.005	U	< 0.007	U	< 0.005	U	0.01	0.2
a-BHC	< 0.005	U	< 0.007	U	< 0.005	U	0.05	0.01
Alachlor	< 0.075	U	< 0.11	U	< 0.075	U	NS	0.5
Aldrin	< 0.002	U	< 0.002	U	< 0.010	U	0.01	NS
b-BHC	< 0.005	U	< 0.007	U	< 0.005	U	0.05	0.04
Chlordane	< 0.050	U	< 0.05	U	< 0.050	U	0.1	0.05
d-BHC	< 0.025	U	< 0.036	U	< 0.025	U	0.05	0.04
Dieldrin	< 0.002	U	< 0.002	U	< 0.002	U	0.01	0.004
Endosulfan I	< 0.050	U	< 0.071	U	< 0.050	U	0.1	NS
Endosulfan II	< 0.005	U	< 0.071	U	< 0.050	U	0.1	NS
Endosulfan Sulfate	< 0.050	U	< 0.071	U	< 0.050	U	0.1	NS
Endrin	< 0.005	U	< 0.007	U	< 0.005	U	0.01	NS
Endrin Aldehyde	< 0.050	U	< 0.071	U	< 0.050	U	NS	5
Endrin ketone	< 0.050	U	< 0.071	U	< 0.050	U	NS	5
g-BHC (Lindane)	< 0.025	U	< 0.036	U	< 0.025	U	0.05	0.05
Heptachlor	< 0.005	U	< 0.007	U	< 0.005	U	0.01	0.04
Heptachlor epoxide	< 0.005	U	< 0.007	U	< 0.005	U	0.01	0.03
Methoxychlor	< 0.10	U	< 0.14	U	< 0.10	U	35	35
PCB-1016	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1221	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1232	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1242	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1248	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1254	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1260	< 0.050	U	< 0.071	U	< 0.050	U	0.09	0.09
PCB-1262	< 0.050	U	< 0.071	U	< 0.050	U	NS	NS
PCB-1268	< 0.050	U	< 0.071	U	< 0.050	U	NS	NS
Toxaphene	< 0.20	U	< 0.29	U	< 0.20	U	NS	0.06

NOTES:

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Table 8

Groundwater Samples Analytical Results for Metals

114 W 125th St, New York, NY

Sample ID	MW-1		FIELD BLANK-1		FIELD BLANK-2		NYSDEC TAGM Standards and Guidance Values - GA	NYSDEC TOGS Standards and Guidance Values - GA
Sampling Date	5/11/2016		5/9/2016		5/11/2016			
Client Matrix	Groundwater		Groundwater		Groundwater			
Compound	Result		Result		Result			
Units	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	ug/L
Aluminum	**21300**		<10	U	<10	U	NS	100
Antimony	<3	U	<3	U	<3	U	NS	3
Arsenic	<4	U	<4	U	<4	U	NS	25
Barium	**261**		<2	U	<2	U	NS	1000
Beryllium	**2**		<1	U	<1	U	NS	3
Cadmium	<1	U	<1	U	<1	U	NS	5
Calcium	**38100**		**41**		**55**		NS	NS
Chromium	**63**		<1	U	<1	U	NS	50
Chromium, Hexavalent	< 0.05	U	< 0.01	U	< 0.01	U	NS	50
Cobalt	**15**		<2	U	<2	U	NS	NS
Copper	**77**		**5**		< 5	U	NS	200
Iron	**27500**		< 10	U	**12**		NS	300
Lead	**50**		<2	U	<2	U	NS	25
Magnesium	**8080**		**10**		< 0.010	U	NS	35000
Manganese	**2660**		**3**		< 1	U	NS	300
Mercury	< 0.2	U	< 0.2	U	< 0.2	U	NS	0.7
Nickel	**55**		< 1	U	< 1	U	NS	100
Potassium	**15300**		<100	U	<100	U	NS	NS
Selenium	< 10	U	< 10	U	< 10	U	NS	10
Silver	**2**		<1	U	<1	U	NS	50
Sodium	**141000**		<100	U	<100	U	NS	20000
Thallium	< 0.5	U	< 0.5	U	< 0.5	U	NS	0.5
Trivalent Chromium	**63**		<1	U	<1	U	NS	NS
Vanadium	**35**		**2**		<2	U	NS	NS
Zinc	**68**		<2	U	<2	U	NS	5000
Dissolved Metals								
Aluminum (Dissolved)	**55**		<11	U	<11	U	NS	100
Antimony (Dissolved)	<3	U	<3	U	<3	U	NS	3
Arsenic (Dissolved)	<4	U	<4	U	<4	U	NS	25
Barium (Dissolved)	**59**		<2	U	<2	U	NS	1000
Beryllium (Dissolved)	<1	U	<1	U	<1	U	NS	3
Cadmium (Dissolved)	<1	U	<1	U	<1	U	NS	5
Calcium (Dissolved)	**35100**		**30**		**60**		NS	NS
Chromium (Dissolved)	<1	U	<1	U	<1	U	NS	50
Cobalt (Dissolved)	<1	U	<1	U	<1	U	NS	NS
Copper (Dissolved)	< 5	U	< 5	U	< 5	U	NS	200
Iron (Dissolved)	**17**		< 11	U	< 11	U	NS	300
Lead (Dissolved)	< 0.002	U	<2	U	<2	U	NS	25
Magnesium (Dissolved)	**3930**		< 0.01	U	< 0.01	U	NS	35000
Manganese (Dissolved)	**249**		< 1	U	< 1	U	NS	300
Mercury (Dissolved)	< 0.2	U	< 0.2	U	< 0.2	U	NS	0.7
Nickel (Dissolved)	**7**		< 1	U	< 1	U	NS	100
Potassium (Dissolved)	**7500**		<100	U	<100	U	NS	NS
Selenium (Dissolved)	< 10	U	< 10	U	< 10	U	NS	10
Silver (Dissolved)	<1	U	<1	U	<1	U	NS	50
Sodium (Dissolved)	**156000**		**150**		**130**		NS	20000
Thallium (Dissolved)	< 0.5	U	< 0.5	U	< 0.5	U	NS	0.5
Vanadium (Dissolved)	<2	U	<2	U	<2	U	NS	NS
Zinc (Dissolved)	**2**		<2	U	**2**		NS	5000

NOTES:

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= sample exceeds NYSDEC TOGS Standards and Guidance Values - GA

Table 9

Soil Vapor Samples Analytical Results

114 W 125th St, New York, NY

Sample ID	SV-3		SV-1		OA-1		SV-5		SV-2		SV-4		IA-1		NYSDOH Background Standards - Indoor Air (25th - 75th Pctl)
Sampling Date	5/11/2016		5/11/2016		5/11/2016		5/11/2016		5/11/2016		5/11/2016		5/11/2016		
Client Matrix	Air		Air		Air		AIR		AIR		AIR		AIR		
Compound	Result		Result		Result		Result		Result		Result		Result		
Units	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3
1,1,1,2-Tetrachloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
1,1,1-Trichloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 1.1
1,1,2,2-Tetrachloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,1,2-Trichloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,1-Dichloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,1-Dichloroethene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2,4-Trichlorobenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2,4-Trimethylbenzene	**1.12**		**3.56**		**1.02**		**14.6**		**3.67**		**32.6**		**1.94**		0.7 - 4.3
1,2-Dibromoethane(EDB)	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2-Dichlorobenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2-Dichloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2-dichloropropane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,2-Dichlorotetrafluoroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,3,5-Trimethylbenzene	< 1.00	U	**1.42**		< 1.00	U	**4.65**		**1.36**		**14.4**		< 1.00	U	0.3 - 1.7
1,3-Butadiene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
1,3-Dichlorobenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,4-Dichlorobenzene	< 1.00	U	**1**		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
1,4-Dioxane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
2-Hexanone(MBK)	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
4-Ethyltoluene	< 1.00	U	< 1.00	U	< 1.00	U	**1.13**		< 1.00	U	**5.21**		< 1.00	U	NS
4-Isopropyltoluene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	**1.68**		< 1.00	U	NS
4-Methyl-2-pentanone(MIBK)	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Acetone	**4.68**		**27.3**		**10.8**		**3.35**		**20**		**14.4**		**2.31**		10 - 52
Acrylonitrile	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Benzene	< 1.00	U	< 1.00	U	< 1.00	U	**1.22**		< 1.00	U	< 1.00	U	< 1.00	U	1.1 - 5.9
Benzyl chloride	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Bromodichloromethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Bromoform	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Bromomethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Carbon Disulfide	< 1.00	U	**2.28**		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Carbon Tetrachloride	**0.37**		**0.44**		**0.45**		< 0.25	U	**0.36**		**0.48**		< 0.25	U	<0.25 - 0.59
Chlorobenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Chloroethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Chloroform	**3.06**		**1.43**		< 1.00	U	**1.92**		**3.54**		< 1.00	U	**2.89**		<0.25 - 0.54
Chloromethane	< 1.00	U	< 1.00	U	**1.24**		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 1.8
Cis-1,2-Dichloroethene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
cis-1,3-Dichloropropene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Cyclohexane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 2.6
Dibromochloromethane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Dichlorodifluoromethane	**2.38**		**2.45**		**2.39**		**2.65**		**2.39**		**2.8**		**2.53**		<0.25 - 4.1
Ethanol	**1.33**		**3.69**		**27.1**		**4.56**		**5.22**		**23**		**2.69**		NS
Ethyl acetate	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
Ethylbenzene	< 1.00	U	< 1.00	U	< 1.00	U	**4.9**		< 1.00	U	**1.19**		< 1.00	U	0.4 - 2.8
Heptane	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	1 - 7.6
Hexachlorobutadiene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Hexane	**1.34**		< 1.00	U	**1.1**		< 1.00	U	**1.01**		< 1.00	U	< 1.00	U	0.63 - 6
Isopropylalcohol	< 1.00	U	**3.05**		**3.41**		< 1.00	U	**3.05**		**5.09**		< 1.00	U	NS
Isopropylbenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	**1.63**		< 1.00	U	<0.25 - 0.4
m,p-Xylene	< 1.00	U	< 1.00	U	**1.31**		**17.7**		**1.02**		**6.64**		**2.37**		0.5 - 4.6
Methyl Ethyl Ketone	**1.03**		**4.86**		**1.01**		< 1.00	U	**2.74**		**1.22**		< 1.00	U	1.4 - 7.3
Methyl tert-butyl ether(MTBE)	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 5.6
Methylene Chloride	**4.06**		**2.41**		**3.85**		**3.71**		**2.6**		**1.09**		< 1.00	U	0.31 - 6.6
n-Butylbenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	**2.25**		< 1.00	U	<0.25 - 0.5
o-Xylene	< 1.00	U	< 1.00	U	< 1.00	U	**10.3**		< 1.00	U	**4.77**		**1.43**		0.39 - 3.1
Propylene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
sec-Butylbenzene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 0.6
Styrene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25 - 0.6
Tetrachloroethene	**3.37**		**2.5**		**0.58**		**11.4**		**9.49**		**0.58**		**10.9**		30
Tetrahydrofuran	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	**1.19**		< 1.00	U	< 1.00	U	<0.25 - 0.3
Toluene	< 1.00	U	< 1.00	U	**3.65**		**12.1**		< 1.00	U	**5.61**		**3.01**		3.5 - 24.8
Trans-1,2-Dichloroethene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	NS
trans-1,3-Dichloropropene	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	<0.25
Trichloroethene	**1.04**		< 0.25	U	< 0.25	U	< 0.25	U	**0.53**		< 0.25	U	< 0.25	U	<0.25
Trichlorofluoromethane	**1.26**		**1.21**		**1.76**		**1.76**		**1.27**		**1.52**		**3.23**		1.1 - 5.4
Trichlorotrifluoroethane	< 1.00	U	< 1.00	U	< 1.00	U	**1.13**		< 1.00	U	< 1.00	U	< 1.00	U	NS
Vinyl Chloride	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U	< 0.098	U	<0.25
Vinyl Chloride	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	< 0.25	U	<0.25

APPENDIX A

Previous Investigation

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

Phase I Environmental Site Assessment Report

114 West 125th Street
Manhattan, NY

Prepared For:
Rockfeld Group
90 Park Avenue – 18th Floor
New York, NY
April 27, 2016
Hydro Tech Job No. 160117

Phase I Environmental Site Assessment Report

114 West 125th Street
Manhattan, NY

April 27, 2016

Hydro Tech Environmental, Corp. appreciates the opportunity to work for Rockfeld Group at the property located at 114 West 125th Street, Manhattan, New York.

Should you require any additional information or have any comments regarding the contents of this report, please feel free to contact our office at your convenience.

We declare that, to the best of my professional knowledge and belief, HTE personnel meet the definition of an environmental professional as defined in §312.10 of 40 C.F.R. 312, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Very Truly Yours,

Hydro Tech Environmental, Corp.

X_____
Komal Dixit
Assistant Project Manager

X_____
A.J. Infante
Project Geologist

X_____
Mark E. Robbins, C.P.G., C.E.I.
Principal

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1.0 EXECUTIVE SUMMARY

Hydro Tech Environmental, Corp. (Hydro Tech) has performed a Phase I Environmental Site Assessment (Phase I ESA) at the Subject Property located at 114 West 125th Street, Manhattan, New York. The Phase I ESA was performed to meet or surpass the American Standard of Testing Materials Standard for Phase I Environmental Site Assessments E 1527-13. The purpose of the assessment was to characterize the environmental quality of the Subject Property through the identification of Recognized Environmental Conditions. All work was performed under the supervision of a Hydro Tech Project Manager and under the guidance of a Hydro Tech geologist.

The results of the Phase I Environmental Site Assessment are contained in this report. The Phase I Environmental Site Assessment has revealed the following Recognized Environmental Condition(s) at the Subject Property:

- The historical use of the Subject Property as an automobile junkyard/repair-related facility (4.1, 4.6);
- The historical use of the adjacent property as an automobile repair facility (4.1, 4.6);
- The presence of an "E" Designation located on the Subject Property (5.1);
- The potential presence of inactive heating oil tank(s) at the Subject Property (5.2); and
- The presence of mold located at the Subject Property (6.0).

No effort has been made to perform any investigation beyond what is included in this Report. The observations and conclusions included herein summarize the results of the Phase I Environmental Site Assessment up to the date of the fieldwork and the date of this Report.

The following sections provide the details and specific information pertaining to the various components of the Phase I Environmental Site Assessment.

2.0 INTRODUCTION & SCOPE OF WORK

2.1 Introduction

Hydro Tech Environmental, Corp. (Hydro Tech, the "Preparer") has been retained by Rockfeld Group (the "User") to perform a Phase I Environmental Site Assessment at the property located at 114 West 125th Street in Manhattan, New York. The User is the "Prospective Developer" of the property. The Phase I was prepared for due diligence purposes towards a purchase transaction of the property. The property will hereafter be referred to as the "Subject Property".

The purpose of a Phase I Assessment is to characterize the environmental quality of the Subject Property through the determination of the presence of Recognized Environmental Conditions (RECs). As defined by the American Society of Testing and Materials (ASTM), a REC is, "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment." (ASTM E 1527-13, §1.1.1). As defined by the ASTM, a Controlled Recognized Environmental Condition (CREC) is, "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls." (ASTM E 1527-13, §3.2.18). As defined by the American Society of Testing and Materials (ASTM), a HREC is, "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls" (ASTM E 1527-13, §3.2.42). Adjacent and surrounding sites are evaluated as part of a Phase I Assessment with regards to conditions that may indicate high probability of the migration of hazardous substances or petroleum products to a property. As defined by ASTM, migrate/migration is, "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." (ASTM E 1527-13, §3.2.56).

To this end, Hydro Tech has collected information through a number of sources including, but not limited to: a property and neighborhood inspection by trained environmental personnel, a review of historical and current information collected from various federal, state, county and municipal agencies and personnel interviews with Site representatives. Recommendations are offered where prudent. Firms subcontracted by Hydro Tech and the User may have collected some information used in this report. Some or all of the Assessment has been performed or supervised by environmental professionals as required by 40 CFR Part 310. The procurement of Title and Judicial Records for Environmental Liens and/or Activity and Use Limitations ("AULs") by HTE is beyond the scope of this practice (ASTM E1527-13) and investigation.

2.2 Scope of Work

The general activities of the Phase I Assessment included the performance of the following tasks:

1. A detailed inspection of the Site and its general vicinity.
2. A review of all reasonably ascertainable regulatory agency documents.
3. A neighborhood hazardous waste survey utilizing Federal and State databases.
4. A review and evaluation of reasonably ascertainable geologic and hydrogeologic reference materials.
5. Interviews with representatives of the Site.
6. The preparation of a Phase I Environmental Site Assessment Report.

The Phase I ESA was performed in accordance with ASTM E 1527 except where noted in Section 2.3 and Hydro Tech's Proposal. As required by ASTM, the User has supplied information that has been relied upon by Hydro Tech in the rendering of findings, conclusions and opinions, except where indicated in Section 2.3 or elsewhere in the report.

2.3 Limitations and Exceptions & Data Gaps

In addition to those items outlined by ASTM E 1527, asbestos, radon, mold, lead-based paint and lead in water were also considered in the scope of work. While this Phase I Assessment provides information with respect to both asbestos and lead-based paint, the presence of these materials can only be confirmed through the collection and analysis of bulk samples.

This report is not intended to serve as a full asbestos survey or lead-based paint survey. These surveys are commonly performed for the purpose of building demolition/renovation or the recognition/identification of any building materials that may contain asbestos or lead-based paint and it is recommended that they be performed prior to any such work.

Business Environmental Risks have not been considered and are not included in the scope of work. This Phase I Assessment is not intended to address the soil/groundwater quality at the Subject Property for general Site characterization or waste disposal purposes. This Phase I Assessment in not intended to evaluate the fair market price of the property if it is not affected by hazardous or petroleum products.

Portions of this report have been prepared utilizing information provided by third party sources or the user. As such, Hydro Tech relies upon these sources and has recorded findings, conclusions and opinions based upon this information. Hydro Tech cannot attest to the accuracy of this information but where possible had attempted to verify the information.

This Phase I ESA Report is not intended to serve or be construed as a regulatory compliance report for the property. No legal opinions are provided with this report.

It should be noted that the USEPA has determined in their final ruling (40 C.F.R. Part 312, Standards and Practices for All Appropriate Inquires) of November 1, 2005 that "persons conducting all appropriate inquiries may use the procedures included in the ASTM E1527-13 standard to comply with today's final rule." Therefore, while all appropriate inquiry could be considered satisfied as this ESA was prepared in exceedances(s) of the ASTM E1527-13 standard, persons attempting to utilize this ESA while seeking one of CERCLA's LLPs must note that; a) they will not maintain CERCLA liability protections unless they also comply with all of the continuing obligations established under the statute that are beyond the scope of this practice (ASTM E1527-13) and investigation; and b) in order to qualify for one of the CERCLA LLPs, the person commissioning the Phase I Environmental Site Assessment must have provided site-specific information (if available) to Hydro Tech before the date of this ESA, otherwise a determination could be made that all appropriate inquiry is not complete.

As defined by ASTM, a Data Gap is defined as an inability to obtain information during the Phase I process, as required under the Standard, despite a good faith effort by the Environmental Professional to obtain this information. The Phase I ESA report must contain information pertaining to Data Gap(s) and evaluate their relative significance.

The following table provides a breakdown of the Data Gap(s) encountered and their relative significance..

Data Gap	Significance
Site History – not conducted to time of first development and/or 5 year intervals.	Low – unlikely to alter conclusions due to findings of other resource(s).
Site Access – limited site access was provided during the site inspection due to ongoing operations conducted at the Subject Property.	Moderate – The potential exists for the presence of visually observable RECs (i.e. lead-based paint, hazardous materials storage, etc.) in areas that were inaccessible during the site inspection. Access to portions of the property may alter the conclusions of this report should access be provided.
No environmental lien provided.	Low – unlikely to alter conclusions due to findings of other resource(s).
Municipal Records – FOIAs not returned as of date of report.	Unknown – Any FOIA responses that alter the conclusions of the report will be provided upon receipt.

Due to other historical information obtained over the course of this investigation, Hydro Tech does not consider these data failures/data gaps significant, as they appear unlikely to have affected potential Recognized Environmental Conditions at the Subject Property.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 Subject Property Vicinity

The Subject Property is comprised of four (4) adjacent parcels that span from the south side of West 125th Street to the north side of West 124th Street, between Adam C. Powell Boulevard to the west and Lenox Avenue to the east, in the borough of Manhattan, New York. The borough of Manhattan in situated in the western portion of New York City.

The vicinity of the Subject Property consists of commercial, institutional and mixed-use commercial and residential properties. The ground surfaces in the vicinity of the Site consist of asphalt, bare soil and concrete.

3.2 Subject Property Description

The Subject Property is identified as 114 West 125th Street, Manhattan, NY. The Subject Property is approximately 12,927 square feet in area and consists of four (4) separate tax lots. The tax lots are identified and described as follows:

Tax Parcel	Address	Description
Block 1909, Lot 24	117 West 124th Street	1-story concrete block structure (inaccessible due to active construction)
Block 1909, Lot 40	112 West 125th Street	1-story concrete block structure (inaccessible due to safety concerns from previous structure fire)
Block 1909, Lot 41	114 West 125th Street	1-story brick structure with full basement
Block 1909, Lot 42	116 – 118 West 125th Street	1-story concrete block structure with full basement

The structures are all currently vacant but were most recently occupied by commercial retail stores, with the exception of 117 West 124th Street, which was most recently occupied by a miscellaneous automobile garage. The building located at 117 West 124th Street was inaccessible due to safety concerns from active construction on the adjacent property/equipment storage on the Subject Property. The building located at 112 West 125th Street was inaccessible due to safety concerns from a recent fire. The structures at 114 West 125th Street and 116 – 118 West 125th Street were inspected in all reasonably accessible areas. Both structures share a full basement. **Appendix A** provides photographs of the Subject Property.

Access to the Subject Property is via West 124th Street to the south and West 125th Street to the north. The Subject Property is connected to the municipal water, sewer, gas and electric services. These services enter the Subject Property from West 124th Street to the south and West 125th Street to the north. The buildings are not currently heated. Natural gas-fired ceiling mounted space heaters were observed in the building located at 114 West 125th Street. Ventilation ducts were observed originating from the roof of the structure located at 116 – 118 West 125th Street; however, the roof was inaccessible during the site inspection. No evidence of heating system components was observed in the basement of 116 – 118 West 125th Street.

The topography of the Subject Property and its vicinity is generally level. **Figure 1** provides a Site Plan.

3.3 Adjacent Land Use

The Subject Property is located in a residential and commercial area. The following properties were identified immediately adjacent to the Subject Properties:

Direction	Adjacent Parcel	Surrounding Parcels
North	19-story commercial/office use building	Commercial
South	6-story "Starting Point" Medical Center	Commercial / mixed-use / institutional
East	Multi-story active commercial construction site	Vacant/ mixed-use
West	2-story "Fino" Men's Retail Store	Commercial / mixed-use

Hydro Tech does not believe that the present uses of the adjacent properties identified above should impact upon the environmental quality of the Subject Property.

3.4 Proximity to Environmentally Sensitive Areas

The results of the Site inspection and an evaluation of the United States Geological Survey (USGS) 7-½ Minute Topographic Map containing the properties indicate that there are seven (7) sensitive receptors present within an ⅛-mile radius of the Subject Property: Starting Point Clinic; Minority Taskforce on Aids DBS Faces, NY; Harlem United Community Aids Center Inc.; Rice High School; Harris, Barbara; Coleman Henley Jr MD; Addiction Research And Treatment Corp. Hydro Tech does not believe that the Subject Property should adversely impact upon the sensitive receptors.

3.5 Environmental Setting

The Subject Property is located in the northeast portion of the Borough of Manhattan, New York. The elevation of the Subject Property is approximately 26 feet above mean sea level (USGS 7.5-Minute Brooklyn, New York Quadrangle, 2013).

The vicinity of the Subject Property is characterized by metamorphosed sequence of bedrock known as the Manhattan Prong of the Hartland Formation.

The Hartland Formation was formed during the late Cambrian to early Ordovician period and consists of undivided pelitic schist with gneiss and amphibolite. The formation is frequently cross cut by transverse and parallel faults. The area is overlain by Pleistocene aged glacial till deposits.

The depth to water in the vicinity of the Subject Property is anticipated to be approximately 20 feet below grade. The regional groundwater flow direction in the vicinity of the Site is presumed to be toward the east-southeast in the direction of the Harlem and East Rivers.

4.0 HISTORICAL USE

4.1 Sanborn Maps

Sanborn Fire Rate Insurance Maps for the Subject Property and its vicinity dated 1902, 1912, 1951, 1976, 1978, 1980, 1985 through 1986, 1988 through 1989, 1991 through 1996, 2001 through 2005 were obtained from EDR and evaluated in order to establish the history of the Site. **Appendix B** provides a copy of the Sanborn Fire Rate Insurance Maps.

Date	Subject Property Shown As	Surrounding area
1902	Developed with four (4) structures: **117 West 124th Street:** 2-story structure located on the southern portion of the lot **112 West 125th Street:** 4-story structure **114 West 125th Street:** 4-story existing structure **116 – 118 West 125th Street:** 2-story existing structure	Residential / commercial
1912	Developed with four (4) commercial structures: **117 West 124th Street:** 2-story structure with a basement located on the southern portion of the lot and identified as a carpenter; **112 West 125th Street:** 4-story commercial structure with a basement and a boiler depicted **114 West 125th Street:** 4-story existing mixed-use commercial and residential structure with a basement **116 – 118 West 125th Street:** 2-story existing commercial structure with a basement and a boiler depicted; the unit at 116 West 125th Street is identified as a confectionery	
1951	Developed with three (3) commercial structures: **117 West 124th Street:** vacant **112 West 125th Street:** 4-story commercial structure with a basement **114 West 125th Street:** 4-story existing commercial structure with a basement **116 – 118 West 125th Street:** 2-story existing commercial structure with a basement	
1976 - 1980	Developed with existing three (3) commercial structures located at 117 West 124th Street, 114 West 125th Street and 116 – 118 West 125th Street; 112 West 125th Street is vacant; the 1-story building located at 117 West 124th Street and the adjacent property to the west are identified as "Auto Junk"	
1985 - 2002	All four (4) existing structures (two [2] 1-story buildings with no basements, one [1] 1-story building with a basement and one [1] 4-story building with a basement); 117 West 124th Street and the adjacent property to the west are identified as "Auto Junk"	
2003 - 2005	All four (4) existing structures (two [2] 1-story buildings with no basements, one [1] 1-story building with a basement and one [1] 4-story building with a basement)	

4.2 City Directory Search

In order to further assess the property's history, available City Directory files were obtained from EDR for review. The City Directories document known occupants of specific properties and sorted by individual

addresses. **Appendix C** provides a copy of the City Directory Search. The following provides a listing of all documented usages of the Subject Property addresses.

Date	Use of Subject Property	Surrounding Property Use
1923	**117 West 124th Street:** Not Listed **112 West 125th Street:** Not Listed **114 West 125th Street:** Bruno & Arena Skirts; Mostofsky Brothers Dresses; Jerome H. Remick & Co.; Wildefeuer Brothers Shoes **116 – 118 West 125th Street:** Not Listed	Residential / commercial / institutional
1927	**117 West 124th Street:** Not Listed **112 West 125th Street:** Feltman & Curme Shoe Stores, Co.; Murray M. Rosenberg, Inc. Shoe Store; Century Art Studio **114 West 125th Street:** Frank Abbate Tailors; Grudin & Roth, Inc. Dresses; Mostofsky Brothers Dresses; Plaza Millinery Shop; Venetian Dress, Co.; Wildfeuer Brothers Shoes **116 – 118 West 125th Street:** Pocahontas Millinery, Co.; Henry Weissman Trunk Manufacturer; B. Haimowitz Upholster; Samuel M. Salamy Laces; United Upholstery	
1938	**117 West 124th Street:** Not Listed **112 West 125th Street:** Miles Shoes, Inc. **114 West 125th Street:** National Shoe Stores, Inc.; L. Fine Co. Signs; Mostofsky Brothers Centers **116 – 118 West 125th Street:** Arnold W. Attorney; Brout Credit Jewelers; Gotham Jewelry, Co.; David B. Melnick; Eddy's Millinery Shop	
1958	**117 West 124th Street:** Not Listed **112 West 125th Street:** Not Listed **114 West 125th Street:** National Shoe Stores, Inc. **116 – 118 West 125th Street:** Pioneer Food Store; S. Aders Sportswear & Lingerie; Victoria Gift Center	
1963 - 1968	**117 West 124th Street:** Not Listed **112 West 125th Street:** Miles Shoes, Inc. **114 West 125th Street:** National Shoe Stores, Inc. **116 – 118 West 125th Street:** S. Ader Sportswear & Lingerie; Harlem Greeting Card, Inc.; Central Ballroom; King Korn Gift Center	
1973	**117 West 124th Street:** Not Listed **112 West 125th Street:** Not Listed **114 West 125th Street:** National Shoe Stores, Inc. **116 – 118 West 125th Street:** Jack Cohen Hair Goods; Miss Barbara Shop, Inc.	
1978	**117 West 124th Street:** Not Listed **112 West 125th Street:** Not Listed **114 West 125th Street:** 3BBB Distributors **116 – 118 West 125th Street:** Emma Fashions, Inc.; Burger King	
1983 - 1988	**117 West 124th Street:** Not Listed **112 West 125th Street:** Charlies Angels Childrens Boutique, Inc. **114 West 125th Street:** Kimna Fashions, Inc. **116 – 118 West 125th Street:** Burger King Restaurant; Seoul Fish & Chips; His Worldwide, Inc.; Can Can Merchandise	

Date	Use of Subject Property	Surrounding Property Use
1993	**117 West 124th Street:** Not Listed **112 West 125th Street:** H & M Sneakers Center **114 West 125th Street:** Shoppers Value Center, Inc. **116 – 118 West 125th Street:** Hair Station, Inc.; Kentucky Fried Chicken; Showgirl Hair	Residential / commercial / institutional
1998	**117 West 124th Street:** Not Listed **112 West 125th Street:** H & M Sneakers Center **114 West 125th Street:** Alpha Plus Sports **116 – 118 West 125th Street:** Moonlight Video & Electronics; Moon Light Fashions, Inc.	

4.3 Previous Studies

Hydro Tech requested copies of any available historical environmental reports associated with the Subject Property. Hydro Tech was not provided with any copies of previous studies or other environmental reports pertaining to the Subject Property.

4.4 Previous Owners

According to the property listing on Property Shark and ACRIS, the following provides a list of historical owners of the following sites:

114 West 125th Street:

Year	Name Of Previous Owner(s)
Unknown - 1983	Dallyne Realty Corp
1983 - 1984	Copley Trading Co. Inc.
1987 - 1999	Lynn, Maxine P Exec.
1999 – 2007	Lynn, Maxine P
2007	MPL 112 LLC

117 West 124th Street:

Year	Name Of Previous Owner(s)
Unknown - 1976	Dallyne Realty Corp
Unknown – 1979	Platzer, Samuel
1983	Copley Trading Co.Inc.
1987	Lynn, Maxine P Exec
1999	Lynn, Maxine P
2007	MPL 112 LLC

112 West 125th Street:

Year	Name Of Previous Owner(s)
Unknown - 1973	Copley Trading Co. Inc.
Unknown – 1975	M K K Properties Inc.
1987	Lynn, Maxine P Exec.
1999	Lynn, Maxine P
2007	MPL 112 LLC

116 – 118 West 125th Street

Year	Name Of Previous Owner(s)
Unknown – 1966	Farrell, Hilary F TR; Farest Realty Co. Inc. ; Farrell, Monica E; Farrell, Hilary F; Gormley, Dorothy F.
1983	Copley Trading Co. Inc.

Year	Name Of Previous Owner(s)
1987	Lynn, Maxine P Exec.
1999	Lynn, Maxine P
2007	MPL 112 LLC

4.5 Historic Aerials

Publically available historical aerial photographs for the Subject Property and its vicinity dated 1953 through 1954, 1966, 1974, 1980, 1987, 1995, 2004, 2006, 2008 through 2013 were reviewed and evaluated**.** The following summary provides a summary of this evaluation.

Date	Subject Property Shown As	Surrounding area
1953 - 2013	Existing buildings located on property	Vacant land; developed with commercial buildings

4.6 Historical Use Summary

Based on a review of available information provided and/or obtained for the Subject Property as of the date of this ESA, it appears that the Subject Property was developed prior to 1902 with four (4) commercial and/or residential structures (one [1] on each Subject Property tax lot). The identified structures include a 2-story building located on the southern portion of 117 West 124th Street identified as a carpenter, a 4-story commercial building on 112 West 125th Street, the existing 4-story mixed-use commercial/residential building located on 114 West 125th Street and the existing 2-story building located on 116 – 188 West 125th Street. The structure located on the southern portion of 117 West 124th Street was razed prior to 1951. The existing 1-story commercial structure located on the northern portion of 117 West 124th Street was constructed sometime between 1951 and 1976 and the 4-story commercial building located on 112 West 125th Street was razed during the same time period.

The parcel at 117 West 124th Street was designated "Auto Junk" and associated with the auto repair facility located on the adjacent property to the west from 1976 through 2002. The existing 1-story commercial structure located on 112 West 125th Street was constructed between 1980 and 1985. The historical uses of the three (3) Subject Property lots located on West 125th Street all consist of commercial uses (mainly retail) and/or residential uses. The historical use of the Subject Property lot located on West 24th Street as automobile junkyard/repair-related facility contains the potential to impact upon the environmental quality of the Subject Property and should be considered a REC. The historical use of the southwestern adjacent property as an automobile repair facility contains the potential to impact upon the environmental quality of the Subject Property and should be considered a REC. No historical uses or occupants are identified on the remaining three (3) Subject Property lots that may have impacted upon the environmental quality of the Subject Property.

5.0 RECORDS REVIEW

5.1 Environmental Databases

Federal, State, Local and Tribal hazardous waste databases were reviewed with respect to the Subject Property and surrounding properties. ASTM E 1527 specifies the search area for each database. In addition, all orphan sites (those without adequate information for mapping purposes) listed in the database search were also reviewed, evaluated and incorporated (as needed). **Appendix D** provides a copy of the Database Search Results. The following databases, with the appropriate search radius, were reviewed:

ASTM Standard Environmental Record Source	Approx. ASTM Minimum Search Distance (MSD)	Number of Mapped Sites within MSD	Number of Orphan Sites
1. NPL (Superfund) *National Priorities List*	1.0 Mile	0	0
2. Delisted NPL Site *Delisted National Priorities List Site*	0.5 Mile	0	0
3. SEMS (Former CERCLIS) *Superfund Enterprise Management System (Former Comprehensive Environmental Response Compensation & Liability Information System)*	0.5 Mile	0	1
4. SEMS-ARCHIVE (Former CERCLIS-NFRAP) *SEMS Archive (Former CERCLIS No Further Remedial Action Planned Site)*	0.5 Mile	0	0
5. RCRA-TSD CORRACTS *Resource Conservation & Recovery Treatment/Storage/Disposal Facility Subject to Corrective Action*	1.0 Mile	1	0
6. RCRA-TSD *Resource Conservation & Recovery Treatment/Storage/Disposal Facility (Non-Corrective Action)*	0.5 Mile	0	0
7. RCRA-LG *Resource Conservation & Recovery Large Quantity Generator*	Site & Adjoining	0	0
8. RCRA-SG *Resource Conservation & Recovery Small Quantity Generator*	Site & Adjoining	0	0
9. ERNS *Emergency Response Notification System*	Property Only	0	0
10. Local / State / Tribal UST, PBS *Registered Storage Tanks*	Site & Adjoining	2	0
11. Local / State / Tribal LTANKS *Leaking Underground Storage Tanks*	0.5 Mile	72	0
12. State Spill Incidents *NYSDEC Spill Sites*	0.125 Mile	29	0
13. Local / State / Tribal SWF *Solid Waste Facility / Landfill*	0.5 Mile	0	0
14. Local / State / Tribal CERCLIS *Inactive Hazardous Waste Disposal Site*	0.5 Mile	0	1
16. Inst. / Engineering Controls *Registry of Institutional and/or Engineering Controls*	Property Only	0	0
17. Voluntary Cleanup Program Sites *Local / State / Tribal VCP Sites*	0.5 Mile	0	2
18. Brownfield Sites *Local / State / Tribal Brownfield Sites*	0.5 Mile	3	0
19. Non-ASTM Record Source(s)	Not Applicable	No MSD has been established by ASTM for these sources	

The review and evaluation of the above Federal and State/Tribal/Local Databases indicates that the Subject Property is identified in in the NY E-Designation database.

All four (4) tax lots of the Subject Property were identified in the NY "E" Designation database. The database listings identified the "E" Designation No. E-201 and list "E" Designation requirements for Hazardous Materials, Air Quality and Noise. The presence of the "E" Designation on the Subject Property should be considered a REC.

One (1) Aboveground Storage Tank (AST) site is listed in the database and is located adjacent to the Subject Property. The adjacent AST site is identified as "Juneglory Inc." and is located at 293 Lenox Avenue (also known as 100 West 125th Street), which is adjacent to the eastern boundary of the Subject Property. The site is registered under PBS #2-607337, is listed as unregulated/closed and is associated with one (1) closed/removed 5,000-gallon #2 fuel oil AST. The AST install date is not provided; however, the AST was closed/removed in September 2010. No violation or related spill is identified in the record. Due to its current regulatory status, this AST site should not adversely impact upon the environmental quality of the Subject Property.

One (1) UST site is listed in the database and is located adjacent to the Subject Property. The adjacent UST site is identified as "Harlem Center" and is located at 105 West 125th Street, which is adjacent to the northeastern boundary of the Subject Property. The site is registered under PBS #2-607248, is listed as unregulated/closed and is associated with one (1) closed/removed 3,000-gallon #6 fuel oil UST and two (2) closed/removed 1,000-gallon #6 fuel oil USTs. The USTs were all removed in August 2001. An associated NYSDEC Spill #0105232 is listed for the property. The spill has been cleaned up to the satisfaction of the NYSDEC and was subsequently closed on May 6, 2002. Due to several factors such as its current regulatory status, proximity to the Subject Property and location relative to groundwater flow direction, the adjacent UST site and associated spill should not adversely impact upon the environmental quality of the Subject Property.

One (1) Historical Cleaners site is identified on the eastern adjacent property located at 287 Malcolm X Boulevard (also known as 100 West 125th Street). The database listing identifies the adjacent property as "Mel's Cleaners" for the years 2001, 2002 and 2010. The identified Historical Cleaners site is not identified in any of the EPA/RCRA databases as a generator of hazardous materials. The Historical Cleaners site was also observed during the site inspection to have been extensively excavated as part of redevelopment of the property. The site should not impact upon the environmental quality of the Subject Property.

A review of the NY LTANKS database has revealed that there are 72 LTANKS sites within approximately ½ mile of the target property. None of the LTANKs were located adjacent to the Subject Property. Sixty-eight (68) of the 72 LTANKS have been cleaned up to the satisfaction of the NYSDEC and are considered closed; the remaining four (4) LTANKS sites are active. All four (4) active LTANKS sites are located either downgradient or cross-gradient. None of the LTANKS sites should impact upon the environmental quality of the Subject Property.

Twenty nine (29) properties are listed in the NY Spills database within a ⅛-mile radius of the Subject Property. All 29 of the Spill sites have been cleaned up to the satisfaction of the NYSDEC and are considered closed. As previously discussed, one (1) Spill site is located on the adjacent property located at 105 West 125th Street and identified as "Harlem Center" with the NYSDEC Spill #0105232. None of the Spill sites should impact upon the environmental quality of the Subject Property.

Three (3) Brownfield site is listed in the database and located within ½-mile of the Subject Property. The Brownfield sites are all located greater than 1,761 feet away from the Subject Property and are located either downgradient or cross-gradient. None of the Brownfield sites should impact upon the environmental quality of the Subject Property.

A vapor encroachment screening consisting of a Tier 1 evaluation of potential Vapor Encroachment Conditions (PVEC) was performed in accordance with ASTM E2600-10. A Tier 1 evaluation determines the presence or likely presence of a PVEC based upon Federal, State and Local database search results and includes an evaluation of distance, depth to water, potential migration pathways, groundwater flow

direction, hydraulic barriers, soil characteristics and other factors impacting soil vapor migration. The results of the Tier 1 evaluation indicate there are no PVECs at the Subject Property.

None of the remaining properties identified in the databases, including Orphan Sites, should impact upon the environmental quality of the Subject Property.

5.2 Municipal Records

FOIA requests were issued to the following municipal agencies with respect to the Subject Property. All reasonably ascertainable municipal records are provided with this report. **Appendix E** provides copies of the municipal documents.

- New York City Department of City Planning
- New York City Department of Building
- New York City Department of Housing Preservation and Development
- New York City Department of Health
- New York City Bureau of Fire Department
- New York State Department of Environmental Conservation
- New York City Department of Environmental Protection

New York City Department of City Planning

A FOIA request was submitted to the New York City Zoning Department. The Tax Map revealed that the Subject Property consists of four (4) lots by the NYCDOB and is identified as the following:

- Block 1909, Lot 24: 117 West 124th Street
- Block 1909, Lot 40: 112 West 125th Street
- Block 1909, Lot 41: 114 West 125th Street
- Block 1909, Lot 42: 116 – 118 West 125th Street

The New York City Zoning Department indicated that the Subject Property is zoned for "C6- 3" and "C4-4D". The Subject Property is listed with a Hazardous Materials, Air Quality and Noise "E" Designation.

New York City Department of Building

All obtainable FOIA documents were obtained via written request or other means. A FOIA request was submitted to the New York City Department of Building (NYCDOB). The Subject Property is defined as four (4) lots by the NYCDOB and is identified as the following:

- Block 1909, Lot 24: 117 West 124th Street
- Block 1909, Lot 40: 112 West 125th Street
- Block 1909, Lot 41: 114 West 125th Street
- Block 1909, Lot 42: 116 – 118 West 125th Street

117 West 124th Street

The NYCDOB file for the Subject Property lists 11 actions and no complaints, violations or jobs. The actions are associated with building alterations, sign installation, unsafe building and a demolition permit. One (1) Certificate of Occupancy (CO) is listed for the property. The CO identifies the Subject Property parcel as a 4-story commercial building with a boiler room and storage located in the basement, a store on the first floor, and vacant second through fourth floors. The CO states that a fuel oil installation was approved by the FDNY on December 3, 1956.

112 West 125th Street

The NYCDOB file for the Subject Property parcel lists two (2) complaints, one (1) violation, six (6) jobs and 48 actions. No violations are open. The jobs identified include: full demolition of a one story commercial/office building; sign postings; no change of use, egress and occupancy; new store front, new

plumbing; and installation of 20'-0" of sidewalk shed due to emergency conditions . The NYCDOB does not list any COs for the Subject Property parcel.

114 West 125th Street

The NYCDOB file for the Subject Property lists nine (9) complaints, 16 violations, 15 jobs and 50 actions. Two (2) of the violations are active and are related to a structure fire. The jobs includes installation of sign, roof-work, scaffolding and demolition. The listed actions are mostly for electric sign, plumbing and vacate requirements. Two (2) actions are associated with oil burner applications.

The NYCDOB lists four (4) COs for the Subject Property. A CO from 1921 identifies the structure as a 1-story store with a basement. Two (2) COs, from 1941 and 1956, identify the structure as a 4-story building with a boiler room and storage located in the basement, a store on the first floor and vacant second to fourth floors. The COs state that a fuel oil installation was approved by the FDNY on October 31, 1941. A CO from 1991 identifies the structure as a 2-story building with a boiler room in the basement, a store on the first floor and a vacant second floor.

116 – 118 West 125th Street

The NYCDOB file for the Subject Property lists seven (7) complaints, 17 violations, 17 jobs and 95 actions. Three (3) active violations are listed for unspecified construction violations. The listed actions are mostly for vacant, electric sign, plumbing, sprinklers, unsafe building, and COs. The NYCDOB lists four (4) COs for the property. A CO from 1954 identifies the structure as a mixed-use 4-story building with a boiler room and storage in the basement, a store on the first floor and apartments on the second through fourth floors. The CO states that a fuel oil installation was approved by the FDNY on February 16, 1954. A CO from 1957 identifies the structure as a 2-story commercial building with storage in the basement, a store on the first floor and a dance hall on the second floor. A temporary CO from 1974 and a CO from 1975 identify the structure as a 1-story commercial store.

The NYCDOB lists fuel oil installation documents for all of the Subject Property buildings except for the building located at 112 West 125th Street. Being that all Subject Property parcels are currently vacant, Subject Property access was restricted and potential boiler rooms were not accessed, the potential presence of inactive heating oil storage tanks should be considered a REC.

New York City Department of Housing Preservation and Development

A FOIA request was submitted to the New York City Department of Housing Preservation and Development (NYCHPD). The NYCHPD stated that no violations are associated with the Subject Property.

New York City Department of Health

A FOIA request was submitted to the New York City Department of Health (NYCDOH). The NYCDOH was contacted via telephone to obtain the status of the FOIA request. As of the date of this report, the NYCDOH has not responded to our initial search request or subsequent follow-up calls. Any information provided by the NYCDOH will be provided as soon as it has been received and evaluated.

New York City Bureau of Fire Prevention

A FOIA request was submitted to the New York City Bureau of Fire Prevention (NYCBFP). As of the date of this report, the NYCBFP has not responded to our initial search request. Any information provided by the NYCBFP will be provided as soon as it has been received and evaluated.

New York State Department of Environmental Conservation

AFOIA request was submitted to the New York State Department of Environmental Conservation (NYSDEC). As of the date of this report, the NYSDEC has not responded to our initial search request. Any information provided by the NYSDEC will be provided as soon as it has been received and evaluated. The NYSDEC website was also searched for any records associated with the Subject Property. The Subject Property was not identified on the NYSDEC spills database website.

New York City Department of Environmental Protection

A FOIA request was submitted to the New York City Department of Environmental Protection (NYCDEP). In their search, the NYCDEP has not discover anything pertaining to Pollution Control and Monitoring.

6.0 SITE RECONNAISSANCE

Mr. A.J. Infante of Hydro Tech performed the site reconnaissance portion of the Phase I Assessment on April 19, 2016. The weather during the inspection was sunny and approximately 60 degrees Fahrenheit.

Hydro Tech inspected all accessible portions of the Subject Property; limitations to the inspections were identified in Section 3.0. The following pertinent information was obtained during the Subject Property Reconnaissance:

1. Industrial Processes

   No industrial processes were observed at the Subject Property. No evidence of historical industrial processes was observed at the Subject Property.

2. Suspect Asbestos-Containing Materials

   No visual evidence of suspect asbestos-containing material was observed at the Subject Property.

3. Suspect Lead-Based Paint

   No visual evidence of suspect lead-based paint was observed at the Subject Property.

4. Lead in Water

   The City of New York is provided with potable water from a series of reservoirs located to the north and northwest of the city. The City of New York is responsible for maintaining the quality of this potable water. The Subject Property is served by public water.

5. Drum Storage Areas

   No current or former drum storage areas were observed at the Subject Property.

6. Storage Tanks

   No visual evidence of underground storage tanks (USTs) or aboveground storage tanks (ASTs) was identified at the Subject Property. No evidence of former ASTs or USTs was identified at the Subject Property.

7. Subsurface Drainage Structures/Drains/Sumps

   No subsurface drainage structures, such as dry wells, leaching pools or cesspools were observed at the Subject Property. No evidence of former subsurface drainage structures was observed at the Subject Property.

   No evidence of current or former septic/waste water/storm water discharge systems is identified at the Subject Property.

   No floor drains were observed at the Subject Property. No evidence of former floor drains was identified at the Subject Property.

   No sumps were observed inside the building at the Subject Property. No evidence of former sumps was identified inside the building at the Subject Property.

8. PCB-Containing Equipment

   Other than fluorescent lighting ballasts, no suspect PCB-containing equipment was identified at the Subject Property.

9. .Monitoring / Potable Water Wells

   No potable water wells were observed at the Subject Property.

   No monitoring wells were identified on the adjacent properties.

   No monitoring wells were identified at the Subject Property.

10. Mold

    Visual evidence of mold and substantial water damage was identified on drop ceiling tiles and the wooden floor throughout the first floor of the Subject Property building located at 116 – 118 West 125th Street. The presence of mold may have impacted the environmental quality of the Subject Property and should be considered a REC.

11. Pits, Ponds, or Lagoons

    No waste disposal pits, ponds or lagoons were observed at the Subject Property. No evidence of former pits, ponds, pools of liquid or lagoons were observed at the Subject Property.

12. Wetlands

    No evidence of wetlands or wetlands growth is identified at the Subject Property. The location of the Subject Property and its vicinity do not appear in the USA National Wetlands Inventory.

13. Staining/Stressed Vegetation

    No significant staining was identified at the Subject Property. No stressed vegetation was observed at the Subject Property.

14. Fill / Land Disposal / Solid Waste

    No visual areas of fill or evidence of land disposal of solid waste material(s) were observed at the Subject Property.

15. Engineering Controls

    No engineering controls were noted at the Subject Property.

16. Odors/Air Emissions

    No odors indicative of a petroleum, chemical or hazardous substance spill or release were identified at the Subject Property. No evidence of air emissions or air emission equipment was identified at the Subject Property.

17. Hazardous Substance / Petroleum Containers

    No evidence of suspect hazardous substance or other petroleum containers were identified at the Subject Property.

18. Radon

    USEPA's recommended action level is 4 picoCuries/liter and the average radon gas concentrations predicted in the Manhattan area is 2 picoCuries/liter. Since Manhattan is located in a Low Radon Potential area, radon gas should not be represent a potential environmental concern that would warrant the sampling for radon gas at the Subject Property.

7.0 CLIENT / USER-PROVIDED INFORMATION & INTERVIEWS

7.1 Client / User-Provided Information

During the course of the Phase I Assessment, the Client/User Questionnaire is required to provide specific information. The following provides a breakdown of this information.

1. The client/user provided no records to Hydro Tech's request for information associated with Environmental Liens or Activity and Use Limitations against the property that may have been filed or listed under federal, tribal, state or local law.

2. The client/user reported no specialized or actual knowledge or experience related to any potential Recognized Environmental Conditions at the Subject Property or nearby properties.

3. The client/user did not respond to Hydro Tech's request for information regarding the relationship of the purchase price of the property to fair market value, specifically if it has been adjusted due to the known or potential presence of on-site contamination.

4. Other than provided in Section 7.2, the client/user reported no commonly known information or information within the local community regarding past use(s) of the property (including the storage and/or release of chemicals, hazardous substances, petroleum products, etc.) that could have affected the environmental integrity of the subject site.

5. The client/user could not confirm whether no environmental contamination or cleanups have occurred at the property in the past.

6. Hydro Tech Environmental provided the Questionnaire for the client/user to complete. The questionnaire is provided in **Appendix F**.

7.2 Interviews

During the course of the Phase I Assessment, interviews were conducted with key site personnel with respect to the operation and history of the Subject Property.

Site Owner and/or Representative

- Ms. Vera Tse – Redeveloper/Ownership Representative
- Mr. Rich Perez – Redeveloper/Ownership Representative

The following information was provided:

- Both Ms. Tse and Mr. Perez are part of the development team working to redevelop the Subject Property;
- Neither Ms. Tse nor Mr. Perez were aware of the former heating systems associated with the Subject Property;
- Neither Ms. Tse nor Mr. Perez had any knowledge of historical spills associated with the Subject Property; and
- Mr. Perez stated that the visual mold and water damage are the result of roof leakage which occurred after roof abatement was conducted.

Occupants and/or Operators

No occupants and/or operators were identified and/or available to be interviewed during the course of this Assessment.

Past Owners and/or Occupants

No past owners and/or occupants were identified and/or available to be interviewed during the course of this Assessment.

The interviews did not reveal the presence of any other potential Recognized Environmental Conditions in connection with the subject site, and did not provide any additional information with respect to the environmental integrity of the subject property that was not obtained from other sources over the course of this investigation.

In addition, although an interview with the former owner(s) or occupant(s) or operator(s) was not possible as none were provided to Hydro Tech as of the date of this ESA, we do not believe that any such owner(s) would have additional material information regarding the potential for contamination at the property that was not obtained from other sources over the course of this investigation.

8.0 CONCLUSIONS

Hydro Tech has performed a Phase I Environmental Site Assessment at the Subject Property, and has identified the following Recognized Environmental Conditions (RECs):

- The historical use of the Subject Property as an automobile junkyard/repair-related facility (4.1, 4.6);
- The historical use of the adjacent property as an automobile repair facility (4.1, 4.6);
- The presence of an "E" Designation located on the Subject Property (5.1);
- The potential presence of inactive heating oil tank(s) at the Subject Property (5.2); and
- The presence of mold located at the Subject Property (6.0).

9.0 CREDENTIALS & DECLARATION

9.1 Credentials

In accordance with ASTM E 1527, the credentials of those personnel directly involved with the production of this report are provided with this report. **Appendix G** provides a copy of the personnel credentials.

9.2 Environmental Professional Declaration

We declare that to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in 40 CFR Part 312. We have the specific qualifications based on education, training and experience to access a property of the nature, history and setting of the Subject Property. Only where indicated we have developed and performed the AAIs in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

10.0 REFERENCES

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11.0 EXCLUSIONS & DISCLAIMERS

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. No warranty, expressed or implied, is made whatsoever in connection with this report.

In preparing this report, Hydro Tech Environmental, Corp. may have relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Hydro Tech Environmental, Corp. at the time of the subject property assessment. Although there may have been some degree of overlap in the information provided by these various sources, Hydro Tech Environmental, Corp. did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this subject property assessment.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a Subject Property (ASTM E 1527-13 Section 4.5.1). The intent of an environmental site assessment is to reduce but not eliminate uncertainty regarding the presence of potential RECs within reasonable limits of both time and cost.

Observations were made of the subject property and 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.

Hydro Tech Environmental, Corp. did not perform testing or analyses to determine the presence or concentration of asbestos or lead-based paint at the Subject Property or in the environment of the subject property under the scope of the services performed.

Any water level reading made in test pits, borings, and/or observation wells were made at the times and under the conditions stated in the report. However, it must be noted that fluctuations in the level of groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.

Except as noted within the text of the report, no qualitative laboratory testing was performed as part of the subject property assessment. Where an outside laboratory, Hydro Tech Environmental, has conducted such analyses Corp. has relied upon the data provided, and has not conducted an independent evaluation of the reliability of the data.

The conclusions 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. If in the opinion of the Client/User or any third party claiming reliance on this report, that Hydro Tech was negligent or in breach of contract, such aforementioned parties shall have 6 months from the date of Hydro Tech's visit to make a claim.

This report was prepared solely for the use of the Client/User and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold Hydro Tech harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

APPENDIX B

Soil Boring Geologic Logs

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

Soil Probe Log

Job No:	160117	Date: 05/09/2016	Page: 1 of 1
Location:	114 W 125 Street Brooklyn, NY 11249		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-1		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: NA
Total Depth:	22 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	NA	NA	Basement
-2			
-4			
-6			
-8			
10	NA	NA	Concrete slab
12	0.0	SP	Tan Brown Medium Sand with gravel
14			
16	0.0	SP	Tan Brown Medium Sand with gravel
18			
20	0.0	SP	Tan Brown Medium Sand with gravel
22			

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Brooklyn, New York 11225
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Soil Probe Log

Job No:	160117	Date: 05/09/2016	Page: 1 of 1
Location:	114 W 125 Street Brooklyn, NY 11249		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-2		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: NA
Total Depth:	22 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	NA	NA	Basement
-2			
-4			
-6			
-8			
10	NA	NA	Concrete Slab
12	0.0	SP	Tan Brown Medium Sand with gravel
14			
16	0.0	SP	Tan Brown Medium Sand with gravel
18			
20	0.0	SP	Tan Brown Medium Sand with gravel
22			

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Soil Probe Log

Job No:	160117	Date: 05/09/2016	Page: 1 of 1
Location:	114 W 125th Street New York, NY 10027		Sampling Interval: 2 ft. Sampling Method: Grab
Boring No.:	SP-3		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: NA
Total Depth:	23 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	NA	NA	
-2			
-4			
-6			
-8			
-10	NA	NA	Concrete Slab
-12	0.0	SP	Orange/Brown Medium Fill Sand with Angular Gravel
-14			
-16	0.0	SP	Orange/Brown Medium Fill Sand with Angular Gravel
-18			
-20	0.0	SP	Orange/Brown Medium Fill Sand with Angular Gravel
-22			

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Brooklyn, New York 11225
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Soil Probe Log

Job No:	160117	Date: 05/11/2016	Page: 1 of 1
Location:	114 W 125th Street New York, NY 10027		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-4		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: n/a
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	Brown Medium Fill with Gravel, Brick,Glass
-5	0.0	SP	Brown Medium Fill with Gravel, Brick,Glass
10	0.0	SP	Brown Medium Fill with Gravel, Brick,Glass
15	0.0	SP	Brown Medium Fill with Gravel, Brick,Glass
20	0.0	SP	Brown Medium Fill with Gravel, Brick,Glass
25			

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Soil Probe Log

Job No:	160117	Date: 05/09/2016	Page: 1 of 1
Location:	114 W 125 Street Brooklyn, NY 11249		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-5		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: NA
Total Depth:	21 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	NA	NA	
-3			
-6			
-9			
	NA	NA	Concrete Slab
-12	0.0	SP	Orange/ Brown Medium Fill Sand with Angular gravel
-15	0.0	SP	Orange/ Brown Medium Fill Sand with Angular gravel
-18			
-21	0.0	SP	Orange/ Brown Medium Fill Sand with Angular gravel

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Soil Probe Log

Job No:	160117	Date: 05/10/2016	Page: 1 of 1
Location:	114 W 125th Street New York, NY 10027		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-7		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: n/a
Total Depth:	22 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	NA	NA	Basement
-2			
-4			
-6			
-8			
10	NA	NA	Concrete Slab
12	0.0	SP	Tan/ Brown Medium Sand; Gravel
14			
16	0.0	SP	Tan/ Brown Medium Sand; Gravel
18			
20	0.0	SP	Tan/ Brown Medium Sand; Gravel
22			

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Soil Probe Log

Job No:	160117	Date: 05/11/2016	Page: 1 of 1
Location:	114 W 125th Street New York, NY 10027		Sampling Interval: 2 ft.
			Sampling Method: Grab
Boring No.:	SP-8		Driller: HTE
Drilling Method:	Direct Push		Depth to Water: n/a
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	Brown Medium Sand with Silt, Gravel, Brick,Glass
-5	0.0	SP	Brown Medium Sand with Silt, Gravel, Brick,Glass
10	0.0	SP	Brown Medium Sand with Silt, Gravel, Brick,Glass
15	0.0	SW	Tan/Brown Coarse Sand
20	0.0	SW	Tan/Brown Coarse Sand
25			

APPENDIX C

Monitoring Well Construction Log

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 11238

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

WELL CONSTRUCTION LOG

Job No: 160117 Date: 05-24-2016 Page: 1 OF 1

Location: 114 WEST 125TH STREET, NEW YORK NY

Well Number: MW-1

Drilling Method: DIRECT PUSH

Total Depth: 35.00'

Depth to Water: 22.00'

Manhole Size: 5"

Screen Size: 0.020"

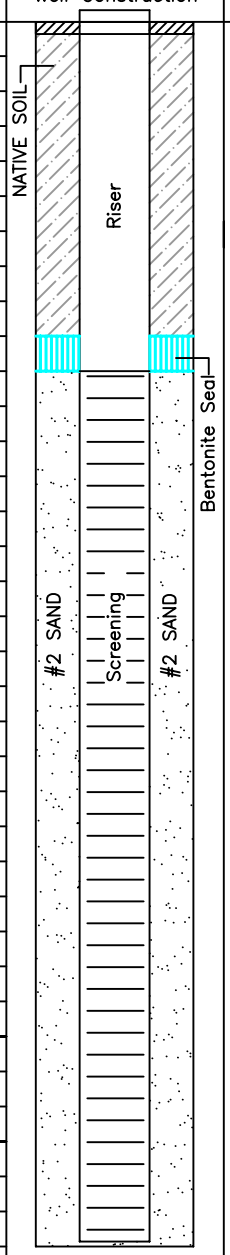
Screen Interval: 25.00'

Diameter: 2"

Riser Length: 10.00'

Sand Size: #2

Depth Below Grade (ft.)	Sample Interval (ft.)	Well Construction	Description
2			5" Manhole Cover.
4			0'-9.00' – Native Soil.
6			9.00'-10.00' – Bentonite Seal.
8			10.00'-35.00' – #2 Sand.
10			0'-10.00' – Riser
12			10.00'-35.00' – Screen
14			
16			
18			
20			
22			
24			
26			
28			
30			
32			
34			
36			



DRILLER: OSCAR
GEOLOGIST: ANDREW

APPENDIX D

Well Purging and Sampling Logs

Hydro Tech Environmental, Corp.

Monitoring Well Sampling Log Sheet

Job No.: 160117 Well No.: MW-1 Date: 5/11/16

Well Depth: 35' Screen Length: 25' Well Diameter: 2" Casing Type: PVC

Sampling Device: Horiba Tubing Type: Poly Initial DTP: N/A Initial DTW: 22.0'

Well Volume: 2.13 gal Total Volume Purged: 4.0 gal

Sampling Personnel: AJ Infante

Low Flow Sampling required ? Yes : ✓ No: _____ pumping rate less than 0.5 L /minute

Order of stabilization			a	b	c	e	f	d	
Deviation			±0.1		± 3%	± 10%	± 10%	± 10 mv	Stabilization over 3 consecutive readings
Time	DTP (ft)	DTW (ft)	pH	Temp (°F)	Cond. (S/Cm)	Dis.O2 (mg/L)	Turb.(NTU)	ORP (mV)	Purged water volume
10:00	N/A	22.0	6.55	55.4	175	3.42	467	-175	0 gal
10:10	N/A	21.8	6.76	55.7	150	4.30	114	-222	0.8 gal
10:20	N/A	21.6	6.88	55.8	160	4.15	52.7	-145	1.6 gal
10:30	N/A	21.6	6.91	55.9	162	4.20	48.9	-148	2.4 gal
10:40	N/A	21.6	6.91	55.9	162	4.22	47.3	-155	3.2 gal
10:50	N/A	21.7	6.91	56.0	163	4.23	44.0	-157	4.0 gal

APPENDIX E

Soil Vapor Sampling Log

114 West 125th Street, New York, NY

AMBIENT AIR/SOIL VAPOR SAMPLING LOG SHEET

Weather Conditions during past 24-48 hrs: Dry; Warm

Building Ventilation Conditions: Poor, inactive & boarded up commercial; no active HVAC

Source(s) of VOCs in Area: N/A

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									Start	Stop			Before	After		
			Date	Time	Depth														
SV-1	5/11/16	SV				AJ Infante	0	65°F	19969	6	6	0	0	09:20	11:20	-30	-5	6	Dry
SV-2	5/11/16	SV					0	65°F	465	6	6	0	0	09:25	11:25	-30	-7	6	
SV-3	5/11/16	SV					0	65°F	487	6	6	0	0	09:30	11:30	-30	-7	6	
SV-4	5/11/16	SV					0	65°F	12856	6	6	0	0	09:40	11:40	-30	-6	6	
SV-5	5/11/16	SV					0	65°F	464	6	6	0	0	09:45	11:45	-30	-7	6	
OA-1	5/11/16	AO					N/A	N/A	496	6	6	N/A	N/A	09:40	11:40	-30	-6	6	
IA-1	5/11/16	AI					0	65°F	19816	6	6	N/A	N/A	09:25	11:25	-30	-5	6	

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

Notes :

APPENDIX F

Laboratory Data Deliverables for Soil Analytical Data

PHOENIX
Environmental Laboratories, Inc.

Monday, May 23, 2016

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

Project ID: 160117
Sample ID#s: BN31619 - BN31632, BN31814 - BN31815

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

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

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

May 23, 2016

SDG I.D.: GBN31619

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	12:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31619

Project ID: 160117
Client ID: SP-5 (11-13 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	5310	46	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.0	3.0	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	1.6	0.6	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	38.1	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.27	0.24	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	3580	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Cadmium	< 0.30	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	10.4	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	4.37	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	13.9	0.30	mg/kg	1	05/15/16	LK	SW6010C	
Iron	8710	46	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	6.57	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	2300	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	322	3.0	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	10.8	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1000	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.2	1.2	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.30	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	131	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 2.7	2.7	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	10.4	0.50	mg/kg	1	05/16/16	CL/KDB	Calculation	
Vanadium	14.9	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	16.4	0.30	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/16/16	CL/KDB	SW7196A	
pH - Soil	8.78	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-5 (11-13 FT)

Phoenix I.D.: BN31619

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	160	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1221	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1232	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1242	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1248	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1254	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1260	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1262	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1268	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	81		%	2	05/13/16	AW	30 - 150 %
% TCMX	78		%	2	05/13/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDE	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDT	0.0089	0.002	mg/Kg	2	05/17/16	CE	SW8081B
a-BHC	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
a-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Aldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
b-BHC	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Chlordane	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
d-BHC	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Dieldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan I	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan II	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan sulfate	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Endrin	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Endrin aldehyde	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Endrin ketone	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	05/17/16	CE	SW8081B
g-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor epoxide	ND	0.0066	mg/Kg	2	05/17/16	CE	SW8081B
Methoxychlor	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	05/17/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	94		%	2	05/17/16	CE	30 - 150 %
% TCMX	70		%	2	05/17/16	CE	30 - 150 %

Project ID: 160117
Client ID: SP-5 (11-13 FT)

Phoenix I.D.: BN31619

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.023	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.023	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.0094	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-5 (11-13 FT)

Phoenix I.D.: BN31619

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.023	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0094	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.0094	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0094	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0094	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0047	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	104		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	96		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	89		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D

Project ID: 160117
Client ID: SP-5 (11-13 FT)

Phoenix I.D.: BN31619

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.68	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	66		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorophenol	59		%	1	05/13/16	DD	30 - 130 %
% Nitrobenzene-d5	71		%	1	05/13/16	DD	30 - 130 %
% Phenol-d5	66		%	1	05/13/16	DD	30 - 130 %
% Terphenyl-d14	71		%	1	05/13/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Sample was evaluated against an external standard.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	12:15
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31620

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	6340	47	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	1.6	0.6	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	49.9	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.40	0.25	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	1620	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Cadmium	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	17.0	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	6.17	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	21.1	0.31	mg/kg	1	05/15/16	LK	SW6010C	
Iron	10900	47	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	6.52	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	2680	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	424	3.1	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	14.1	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1280	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	236	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 2.8	2.8	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	17.0	0.50	mg/kg	1	05/16/16	CL/KDB	Calculation	
Vanadium	18.3	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	18.8	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.40	0.40	mg/Kg	1	05/16/16	CL/KDB	SW7196A	
pH - Soil	8.74	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Phoenix I.D.: BN31620

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	155	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	79		%	2	05/13/16	AW	30 - 150 %
% TCMX	79		%	2	05/13/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDE	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDT	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
a-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
a-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Aldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
b-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Chlordane	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
d-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Dieldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan I	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan II	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin ketone	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	05/17/16	CE	SW8081B
g-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Methoxychlor	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	05/17/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	94		%	2	05/17/16	CE	30 - 150 %
% TCMX	65		%	2	05/17/16	CE	30 - 150 %

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Phoenix I.D.: BN31620

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Phoenix I.D.: BN31620

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	99		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	106		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	98		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Phoenix I.D.: BN31620

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.53	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.66	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-5 (19-21 FT)

Phoenix I.D.: BN31620

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Phenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyridine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	64		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorophenol	58		%	1	05/13/16	DD	30 - 130 %
% Nitrobenzene-d5	80		%	1	05/13/16	DD	30 - 130 %
% Phenol-d5	69		%	1	05/13/16	DD	30 - 130 %
% Terphenyl-d14	77		%	1	05/13/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Sample was evaluated against an external standard.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	13:30
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31621

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	5570	46	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	2.6	0.6	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	57.6	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.37	0.25	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	30200	46	mg/Kg	10	05/15/16	LK	SW6010C	
Cadmium	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	14.4	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	4.72	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	18.8	0.31	mg/kg	1	05/15/16	LK	SW6010C	
Iron	9300	46	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	11.4	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	4840	46	mg/Kg	10	05/15/16	LK	SW6010C	
Manganese	329	3.1	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	0.04	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	10.5	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1260	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.2	1.2	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	255	4.6	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 2.8	2.8	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	14.4	0.50	mg/kg	1	05/16/16	CL/KDB	Calculation	
Vanadium	14.8	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	26.0	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	95		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.42	0.42	mg/Kg	1	05/16/16	CL/KDB	SW7196A	
pH - Soil	12.03	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Phoenix I.D.: BN31621

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	-24	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1221	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1232	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1242	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1248	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1254	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1260	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1262	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1268	ND	0.07	mg/Kg	2	05/13/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	05/13/16	AW	30 - 150 %
% TCMX	74		%	2	05/13/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.0021	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDE	0.095	0.021	mg/Kg	20	05/17/16	CE	SW8081B
4,4' -DDT	0.004	0.0021	mg/Kg	2	05/17/16	CE	SW8081B
a-BHC	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
a-Chlordane	ND	0.0035	mg/Kg	2	05/17/16	CE	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	05/17/16	CE	SW8081B
b-BHC	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Chlordane	ND	0.035	mg/Kg	2	05/17/16	CE	SW8081B
d-BHC	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan I	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan II	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan sulfate	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Endrin	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Endrin aldehyde	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Endrin ketone	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	05/17/16	CE	SW8081B
g-Chlordane	ND	0.0035	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor epoxide	ND	0.007	mg/Kg	2	05/17/16	CE	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	05/17/16	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	05/17/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	87		%	2	05/17/16	CE	30 - 150 %
% TCMX	59		%	2	05/17/16	CE	30 - 150 %

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Phoenix I.D.: BN31621

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Phoenix I.D.: BN31621

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	94		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	76		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	90		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Phoenix I.D.: BN31621

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.56	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.69	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	1.4	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-3 (11-13 FT)

Phoenix I.D.: BN31621

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Phenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Pyridine	ND	0.35	mg/Kg	1	05/13/16	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	46		%	1	05/13/16	DD	30 - 130 %	
% 2-Fluorobiphenyl	68		%	1	05/13/16	DD	30 - 130 %	
% 2-Fluorophenol	<10		%	1	05/13/16	DD	30 - 130 %	3
% Nitrobenzene-d5	85		%	1	05/13/16	DD	30 - 130 %	
% Phenol-d5	57		%	1	05/13/16	DD	30 - 130 %	
% Terphenyl-d14	56		%	1	05/13/16	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.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Sample was evaluated against an external standard.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	13:45
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31622

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	6270	52	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.5	3.5	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	2.5	0.7	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	60.4	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.40	0.28	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	26200	52	mg/Kg	10	05/15/16	LK	SW6010C	
Cadmium	< 0.35	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	13.1	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	6.05	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	22.5	0.35	mg/kg	1	05/15/16	LK	SW6010C	
Iron	11100	52	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	11.0	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	3890	5.2	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	401	3.5	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	13.9	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1360	5.2	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.35	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	235	5.2	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	13.1	0.50	mg/kg	1	05/16/16	CL/KDB	Calculation	
Vanadium	16.0	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	30.2	0.35	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	95		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.42	0.42	mg/Kg	1	05/16/16	CL/KDB	SW7196A	
pH - Soil	12.01	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Phoenix I.D.: BN31622

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	-16	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1221	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1232	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1242	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1248	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1254	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1260	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1262	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
PCB-1268	ND	0.068	mg/Kg	2	05/16/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	86		%	2	05/16/16	AW	30 - 150 %
% TCMX	90		%	2	05/16/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	0.0028	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDE	0.15	0.01	mg/Kg	10	05/17/16	CE	SW8081B
4,4' -DDT	0.0035	0.002	mg/Kg	2	05/17/16	CE	SW8081B
a-BHC	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
a-Chlordane	ND	0.0034	mg/Kg	2	05/17/16	CE	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	05/17/16	CE	SW8081B
b-BHC	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Chlordane	ND	0.034	mg/Kg	2	05/17/16	CE	SW8081B
d-BHC	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan I	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan II	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan sulfate	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Endrin	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Endrin aldehyde	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Endrin ketone	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	05/17/16	CE	SW8081B
g-Chlordane	ND	0.0034	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor epoxide	ND	0.0068	mg/Kg	2	05/17/16	CE	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	05/17/16	CE	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	05/17/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	91		%	2	05/17/16	CE	30 - 150 %
% TCMX	74		%	2	05/17/16	CE	30 - 150 %

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Phoenix I.D.: BN31622

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Hexanone	ND	0.025	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	05/16/16	JLI	SW8260C	
Acetone	ND	0.025	mg/Kg	1	05/16/16	JLI	SW8260C	
Acrylonitrile	ND	0.0099	mg/Kg	1	05/16/16	JLI	SW8260C	
Benzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromochloromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromoform	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromomethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Chlorobenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroform	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromomethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Ethylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Phoenix I.D.: BN31622

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0099	mg/Kg	1	05/16/16	JLI	SW8260C	
Methylene chloride	ND	0.0099	mg/Kg	1	05/16/16	JLI	SW8260C	
Naphthalene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
o-Xylene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Styrene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0099	mg/Kg	1	05/16/16	JLI	SW8260C	1
Toluene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Total Xylenes	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0099	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichloroethene	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
Vinyl chloride	ND	0.0049	mg/Kg	1	05/16/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	05/16/16	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/16/16	JLI	70 - 130 %	
% Dibromofluoromethane	69		%	1	05/16/16	JLI	70 - 130 %	3
% Toluene-d8	100		%	1	05/16/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2-Chloronaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2-Chlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2-Methylnaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
2-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
2-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Phoenix I.D.: BN31622

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.55	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.69	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.55	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-3 (19-21 FT)

Phoenix I.D.: BN31622

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Phenanthrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Phenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Pyridine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	50		%	1	05/13/16	DD	30 - 130 %	
% 2-Fluorobiphenyl	68		%	1	05/13/16	DD	30 - 130 %	
% 2-Fluorophenol	<10		%	1	05/13/16	DD	30 - 130 %	3
% Nitrobenzene-d5	91		%	1	05/13/16	DD	30 - 130 %	
% Phenol-d5	53		%	1	05/13/16	DD	30 - 130 %	
% Terphenyl-d14	60		%	1	05/13/16	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.
3 = This parameter exceeds laboratory specified limits.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

Pesticide Comment:
Sample was evaluated against an external standard.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	9:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31623

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	4000	47	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	2.0	0.6	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	68.4	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.27	0.25	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	8360	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Cadmium	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	11.8	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	4.58	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	31.1	0.31	mg/kg	1	05/15/16	LK	SW6010C	
Iron	7560	47	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	30.3	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	2500	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	339	3.1	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	0.17	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	11.3	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1010	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.2	1.2	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	572	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 2.8	2.8	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	11.8	0.50	mg/kg	1	05/17/16	CL/KDB	Calculation	
Vanadium	13.4	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	55.1	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	97		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	9.27	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Phoenix I.D.: BN31623

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	111	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	2	05/13/16	AW	30 - 150 %
% TCMX	73		%	2	05/13/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDE	0.005	0.002	mg/Kg	2	05/17/16	CE	SW8081B
4,4' -DDT	0.021	0.002	mg/Kg	2	05/17/16	CE	SW8081B
a-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
a-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Aldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
b-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Chlordane	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
d-BHC	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Dieldrin	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan I	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan II	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Endrin ketone	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	05/17/16	CE	SW8081B
g-Chlordane	ND	0.0033	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/17/16	CE	SW8081B
Methoxychlor	ND	0.033	mg/Kg	2	05/17/16	CE	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	05/17/16	CE	SW8081B
QA/QC Surrogates							
% DCBP	109		%	2	05/17/16	CE	30 - 150 %
% TCMX	70		%	2	05/17/16	CE	30 - 150 %

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Phoenix I.D.: BN31623

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.032	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.032	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	0.17	S 0.032	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.013	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Phoenix I.D.: BN31623

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.013	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.013	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.013	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.013	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0064	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	89		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	105		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	96		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Phoenix I.D.: BN31623

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.68	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-7 (11-13 FT)

Phoenix I.D.: BN31623

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	05/13/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorobiphenyl	73		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorophenol	53		%	1	05/13/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	05/13/16	DD	30 - 130 %
% Phenol-d5	67		%	1	05/13/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	05/13/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

Phyllis Shiller, Laboratory Director
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	9:15
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31624

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	3650	47	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	1.4	0.6	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	30.0	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.26	0.25	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	1210	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Cadmium	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	9.69	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	3.45	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	9.06	0.31	mg/kg	1	05/15/16	LK	SW6010C	
Iron	7800	4.7	mg/Kg	1	05/15/16	LK	SW6010C	B
Lead	2.69	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	1450	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	318	3.1	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	8.45	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	828	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.31	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	125	4.7	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 2.8	2.8	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	9.69	0.50	mg/kg	1	05/17/16	CL/KDB	Calculation	
Vanadium	13.2	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	11.0	0.31	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	8.67	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Phoenix I.D.: BN31624

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Redox Potential	129	1.0	mV	1	05/12/16	DH/EG	SM2580B-09 [1]
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A
Mercury Digestion	Completed				05/13/16	W/W	SW7471B
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B
Field Extraction	Completed				05/09/16		SW5035A
Polychlorinated Biphenyls							
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A
QA/QC Surrogates							
% DCBP	91		%	2	05/13/16	AW	30 - 150 %
% TCMX	83		%	2	05/13/16	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	0.002	mg/Kg	2	05/17/16	KCA	SW8081B
4,4' -DDE	ND	0.002	mg/Kg	2	05/17/16	KCA	SW8081B
4,4' -DDT	ND	0.002	mg/Kg	2	05/17/16	KCA	SW8081B
a-BHC	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
a-Chlordane	ND	0.0034	mg/Kg	2	05/17/16	KCA	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	05/17/16	KCA	SW8081B
b-BHC	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Chlordane	ND	0.034	mg/Kg	2	05/17/16	KCA	SW8081B
d-BHC	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	05/17/16	KCA	SW8081B
Endosulfan I	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Endosulfan II	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Endrin	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Endrin ketone	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
g-BHC	ND	0.0013	mg/Kg	2	05/17/16	KCA	SW8081B
g-Chlordane	ND	0.0034	mg/Kg	2	05/17/16	KCA	SW8081B
Heptachlor	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/17/16	KCA	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	05/17/16	KCA	SW8081B
Toxaphene	ND	0.13	mg/Kg	2	05/17/16	KCA	SW8081B
QA/QC Surrogates							
% DCBP	102		%	2	05/17/16	KCA	30 - 150 %
% TCMX	73		%	2	05/17/16	KCA	30 - 150 %

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Phoenix I.D.: BN31624

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Phoenix I.D.: BN31624

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	104		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	97		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Phoenix I.D.: BN31624

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.67	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-7 (19-21 FT)

Phoenix I.D.: BN31624

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Phenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	05/13/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	61		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorophenol	56		%	1	05/13/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	05/13/16	DD	30 - 130 %
% Phenol-d5	59		%	1	05/13/16	DD	30 - 130 %
% Terphenyl-d14	66		%	1	05/13/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	10:45
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31625

Project ID: 160117
Client ID: SP-2 (11-13 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	4860	51	mg/Kg	10	05/15/16	LK	SW6010C	
Antimony	< 3.4	3.4	mg/Kg	1	05/15/16	LK	SW6010C	
Arsenic	1.4	0.7	mg/Kg	1	05/15/16	LK	SW6010C	
Barium	45.1	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Beryllium	0.36	0.27	mg/Kg	1	05/15/16	LK	SW6010C	
Calcium	2960	5.1	mg/Kg	1	05/15/16	LK	SW6010C	
Cadmium	< 0.34	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Chromium	14.9	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Cobalt	4.95	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Copper	15.8	0.34	mg/kg	1	05/15/16	LK	SW6010C	
Iron	9180	51	mg/Kg	10	05/15/16	LK	SW6010C	B
Lead	8.23	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Magnesium	2150	5.1	mg/Kg	1	05/15/16	LK	SW6010C	
Manganese	345	3.4	mg/Kg	10	05/15/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	11.0	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Potassium	1350	5.1	mg/Kg	1	05/15/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	05/15/16	LK	SW6010C	
Silver	< 0.34	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Sodium	250	5.1	mg/Kg	1	05/15/16	LK	SW6010C	
Thallium	< 3.1	3.1	mg/Kg	1	05/15/16	LK	SW6010C	
Trivalent Chromium	14.9	0.50	mg/kg	1	05/17/16	CL/KDB	Calculation	
Vanadium	16.6	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Zinc	16.1	0.34	mg/Kg	1	05/15/16	LK	SW6010C	
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	8.85	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	149	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/12/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/13/16	/AG/AG/T	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	85		%	2	05/13/16	AW	30 - 150 %	
% TCMX	84		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.002	mg/Kg	2	05/14/16	KCA	SW8081B	
4,4' -DDE	ND	0.002	mg/Kg	2	05/14/16	KCA	SW8081B	
4,4' -DDT	ND	0.002	mg/Kg	2	05/14/16	KCA	SW8081B	
a-BHC	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
a-Chlordane	ND	0.0033	mg/Kg	2	05/14/16	KCA	SW8081B	
Aldrin	ND	0.0033	mg/Kg	2	05/14/16	KCA	SW8081B	
b-BHC	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Chlordane	ND	0.033	mg/Kg	2	05/14/16	KCA	SW8081B	
d-BHC	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Dieldrin	ND	0.0033	mg/Kg	2	05/14/16	KCA	SW8081B	
Endosulfan I	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Endosulfan II	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Endrin	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Endrin ketone	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
g-BHC	ND	0.0013	mg/Kg	2	05/14/16	KCA	SW8081B	
g-Chlordane	ND	0.0033	mg/Kg	2	05/14/16	KCA	SW8081B	
Heptachlor	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/14/16	KCA	SW8081B	
Methoxychlor	ND	0.033	mg/Kg	2	05/14/16	KCA	SW8081B	
Toxaphene	ND	0.13	mg/Kg	2	05/14/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	53		%	2	05/14/16	KCA	30 - 150 %	
% TCMX	65		%	2	05/14/16	KCA	30 - 150 %	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.024	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.0098	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0049	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	103		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	100		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chloronaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Chlorophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylnaphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitroaniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
2-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
3-Nitroaniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitroaniline	ND	0.53	mg/Kg	1	05/13/16	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Aniline	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Benzoic acid	ND	0.66	mg/Kg	1	05/13/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Carbazole	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	
Pentachlorophenol	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D	

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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Phenol	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyrene	ND	0.23	mg/Kg	1	05/13/16	DD	SW8270D
Pyridine	ND	0.33	mg/Kg	1	05/13/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	61		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	05/13/16	DD	30 - 130 %
% 2-Fluorophenol	48		%	1	05/13/16	DD	30 - 130 %
% Nitrobenzene-d5	61		%	1	05/13/16	DD	30 - 130 %
% Phenol-d5	52		%	1	05/13/16	DD	30 - 130 %
% Terphenyl-d14	51		%	1	05/13/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	11:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31626

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	2180	45	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.0	3.0	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	< 0.6	0.6	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	19.3	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	< 0.24	0.24	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	738	4.5	mg/Kg	1	05/17/16	LK	SW6010C	
Cadmium	< 0.30	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	5.34	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	2.15	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	4.66	0.30	mg/kg	1	05/17/16	LK	SW6010C	
Iron	4310	4.5	mg/Kg	1	05/17/16	LK	SW6010C	
Lead	1.53	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Magnesium	962	4.5	mg/Kg	1	05/17/16	LK	SW6010C	
Manganese	293	3.0	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	5.40	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	539	4.5	mg/Kg	1	05/17/16	LK	SW6010C	
Selenium	< 1.2	1.2	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	< 0.30	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Sodium	95.4	4.5	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 2.7	2.7	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	5.34	0.50	mg/kg	1	05/17/16	CL/KDB	Calculation	
Vanadium	5.65	0.30	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	7.17	0.30	mg/Kg	1	05/17/16	LK	SW6010C	B
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	9.09	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Phoenix I.D.: BN31626

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	132	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	106		%	2	05/13/16	AW	30 - 150 %	
% TCMX	96		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.034	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0013	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.034	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.13	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	81		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	63		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Phoenix I.D.: BN31626

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.029	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.029	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.029	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Phoenix I.D.: BN31626

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.029	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0057	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	105		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	98		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Phoenix I.D.: BN31626

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.67	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-2 (19-21 FT)

Phoenix I.D.: BN31626

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	66		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	77		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	77		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	68		%	1	05/14/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	11:30
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31627

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	3460	50	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.3	3.3	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	1.4	0.7	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	39.8	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	0.28	0.27	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	6470	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Cadmium	< 0.33	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	10.7	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	3.81	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	13.4	0.33	mg/kg	1	05/17/16	LK	SW6010C	
Iron	7300	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Lead	22.9	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Magnesium	1790	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Manganese	307	3.3	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	9.16	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	756	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	< 0.33	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Sodium	243	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 3.0	3.0	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	10.7	0.50	mg/kg	1	05/17/16	CL/KDB	Calculation	
Vanadium	12.6	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	20.6	0.33	mg/Kg	1	05/17/16	LK	SW6010C	B
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.40	0.40	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	10.08	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Phoenix I.D.: BN31627

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	113	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.066	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	82		%	2	05/13/16	AW	30 - 150 %	
% TCMX	80		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	0.0026	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0033	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0033	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.033	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0033	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0013	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0033	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0066	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.033	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.13	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	83		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	68		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Phoenix I.D.: BN31627

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.027	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.027	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Phoenix I.D.: BN31627

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.027	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0054	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	96		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	109		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	98		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Phoenix I.D.: BN31627

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.53	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.66	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.99	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-1 (11-13 FT)

Phoenix I.D.: BN31627

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	ND	0.23	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.33	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	74		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	71		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	58		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	74		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	68		%	1	05/14/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	11:45
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31628

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	3880	51	mg/Kg	10	05/18/16	LK	SW6010C	
Antimony	< 3.1	3.1	mg/Kg	1	05/18/16	LK	SW6010C	
Arsenic	1.4	0.6	mg/Kg	1	05/18/16	LK	SW6010C	
Barium	67.0	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Beryllium	0.34	0.25	mg/Kg	1	05/18/16	LK	SW6010C	
Calcium	8030	4.7	mg/Kg	1	05/18/16	LK	SW6010C	
Cadmium	< 0.31	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Chromium	13.9	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Cobalt	5.61	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Copper	19.7	0.31	mg/kg	1	05/18/16	LK	SW6010C	
Iron	8350	51	mg/Kg	10	05/18/16	LK	SW6010C	B
Lead	36.0	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Magnesium	2620	4.7	mg/Kg	1	05/18/16	LK	SW6010C	
Manganese	351	3.4	mg/Kg	10	05/18/16	LK	SW6010C	
Mercury	0.04	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	13.6	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Potassium	978	51	mg/Kg	10	05/18/16	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	05/18/16	LK	SW6010C	
Silver	< 0.31	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Sodium	293	51	mg/Kg	10	05/18/16	LK	SW6010C	
Thallium	< 2.8	2.8	mg/Kg	1	05/18/16	LK	SW6010C	
Trivalent Chromium	13.9	0.31	mg/kg	1			Calculation	
Vanadium	15.5	0.31	mg/Kg	1	05/18/16	LK	SW6010C	
Zinc	43.1	3.1	mg/Kg	10	05/18/16	LK	SW6010C	B
Percent Solid	98		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.41	0.41	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	9.56	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Phoenix I.D.: BN31628

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	113	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/17/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.067	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	78		%	2	05/13/16	AW	30 - 150 %	
% TCMX	77		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	0.0063	0.002	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.033	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0013	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0034	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.033	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.13	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	85		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	71		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Phoenix I.D.: BN31628

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	0.12	S 0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Phoenix I.D.: BN31628

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0052	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	98		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	85		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	98		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Phoenix I.D.: BN31628

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.54	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.68	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-1 (19-21 FT)

Phoenix I.D.: BN31628

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	ND	0.24	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.34	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	79		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	54		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	74		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	73		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	72		%	1	05/14/16	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.
B = Present in blank, no bias suspected.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

Phyllis Shiller, Laboratory Director
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	11:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31629

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	9620	52	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.5	3.5	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	14.6	0.7	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	710	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	0.46	0.28	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	46900	52	mg/Kg	10	05/17/16	LK	SW6010C	
Cadmium	1.69	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	29.7	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	9.07	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	120	3.5	mg/kg	10	05/17/16	LK	SW6010C	
Iron	21100	52	mg/Kg	10	05/17/16	LK	SW6010C	
Lead	922	3.5	mg/Kg	10	05/17/16	LK	SW6010C	
Magnesium	7830	52	mg/Kg	10	05/17/16	LK	SW6010C	
Manganese	311	3.5	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	0.78	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	28.2	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	2800	5.2	mg/Kg	1	05/17/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	0.69	0.35	mg/Kg	1	05/19/16	EK	SW6010C	
Sodium	552	5.2	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 3.1	3.1	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	29.7	0.35	mg/kg	1			Calculation	
Vanadium	45.0	0.35	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	570	3.5	mg/Kg	10	05/17/16	LK	SW6010C	
Percent Solid	88		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	11.82	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Phoenix I.D.: BN31629

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	24	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1221	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1232	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1242	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1248	0.65	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1254	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1260	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1262	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
PCB-1268	ND	0.074	mg/Kg	2	05/16/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	85		%	2	05/16/16	AW	30 - 150 %	
% TCMX	75		%	2	05/16/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.023	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	0.058	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.016	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0067	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.037	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0037	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.016	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0074	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.037	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.15	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	85		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	74		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Phoenix I.D.: BN31629

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Hexanone	ND	0.03	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.03	mg/Kg	1	05/16/16	JLI	SW8260C	
Acetone	0.041	S 0.03	mg/Kg	1	05/16/16	JLI	SW8260C	
Acrylonitrile	ND	0.012	mg/Kg	1	05/16/16	JLI	SW8260C	
Benzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromochloromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromoform	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromomethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Chlorobenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroform	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromomethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Ethylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Phoenix I.D.: BN31629

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.03	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	05/16/16	JLI	SW8260C	
Methylene chloride	ND	0.012	mg/Kg	1	05/16/16	JLI	SW8260C	
Naphthalene	0.012	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
o-Xylene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Styrene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	05/16/16	JLI	SW8260C	1
Toluene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Total Xylenes	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichloroethene	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
Vinyl chloride	ND	0.0061	mg/Kg	1	05/16/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99		%	1	05/16/16	JLI	70 - 130 %	
% Bromofluorobenzene	99		%	1	05/16/16	JLI	70 - 130 %	
% Dibromofluoromethane	36		%	1	05/16/16	JLI	70 - 130 %	3
% Toluene-d8	95		%	1	05/16/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Phoenix I.D.: BN31629

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.59	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	0.28	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	0.8	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	0.77	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	0.67	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	0.44	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	0.65	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.74	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	0.98	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	1.4	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.46	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-8 (0-2 FT)

Phoenix I.D.: BN31629

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	1.2	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	1.3	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	76		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	61		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	83		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	81		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	56		%	1	05/14/16	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.
3 = This parameter exceeds laboratory specified limits.

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

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	11:15
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31630

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	4090	55	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.7	3.7	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	2.1	0.7	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	41.9	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	< 0.29	0.29	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	1820	5.5	mg/Kg	1	05/17/16	LK	SW6010C	
Cadmium	0.54	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	15.4	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	6.52	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	65.0	0.37	mg/kg	1	05/17/16	LK	SW6010C	
Iron	10100	55	mg/Kg	10	05/17/16	LK	SW6010C	
Lead	16.6	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Magnesium	2010	5.5	mg/Kg	1	05/17/16	LK	SW6010C	
Manganese	365	3.7	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	0.35	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	22.4	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	679	5.5	mg/Kg	1	05/17/16	LK	SW6010C	
Selenium	< 1.5	1.5	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	0.46	0.37	mg/Kg	1	05/17/16	EK	SW6010C	
Sodium	235	5.5	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 3.3	3.3	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	14.65	0.37	mg/kg	1			Calculation	
Vanadium	35.1	0.37	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	147	3.7	mg/Kg	10	05/17/16	LK	SW6010C	
Percent Solid	93		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	0.750	0.43	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	8.57	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Phoenix I.D.: BN31630

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	112	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.071	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	80		%	2	05/13/16	AW	30 - 150 %	
% TCMX	83		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	0.029	0.0021	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	0.015	0.0021	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	0.063	0.0021	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0035	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0035	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.035	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0035	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0014	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0035	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0071	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.035	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.14	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	76		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	60		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Phoenix I.D.: BN31630

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Phoenix I.D.: BN31630

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0055	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	97		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	103		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	97		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Phoenix I.D.: BN31630

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.57	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.71	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	0.28	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-8 (19-21 FT)

Phoenix I.D.: BN31630

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	0.29	0.25	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.25	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	0.25	0.25	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.36	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	80		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	70		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	65		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	75		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	75		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	61		%	1	05/14/16	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 at RL/PQL
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.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	12:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31631

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	9270	50	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.3	3.3	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	6.8	0.7	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	198	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	0.40	0.27	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	33200	50	mg/Kg	10	05/17/16	LK	SW6010C	
Cadmium	< 0.33	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	31.1	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	9.87	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	38.2	0.33	mg/kg	1	05/17/16	LK	SW6010C	
Iron	16200	50	mg/Kg	10	05/17/16	LK	SW6010C	
Lead	142	3.3	mg/Kg	10	05/17/16	LK	SW6010C	
Magnesium	7120	50	mg/Kg	10	05/17/16	LK	SW6010C	
Manganese	262	3.3	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	0.15	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	21.9	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	3330	50	mg/Kg	10	05/17/16	LK	SW6010C	
Selenium	< 1.3	1.3	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	< 0.33	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Sodium	440	5.0	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 3.0	3.0	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	31.1	0.33	mg/kg	1			Calculation	
Vanadium	39.5	0.33	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	148	3.3	mg/Kg	10	05/17/16	LK	SW6010C	
Percent Solid	89		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.45	0.45	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	9.47	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Phoenix I.D.: BN31631

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	86	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	0.12	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	74		%	2	05/13/16	AW	30 - 150 %	
% TCMX	79		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	0.0047	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0037	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0037	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	0.14	0.037	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	0.004	0.0037	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0015	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0037	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.037	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.15	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	97		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	49		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Phoenix I.D.: BN31631

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Hexanone	ND	0.028	mg/Kg	1	05/16/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	05/16/16	JLI	SW8260C	
Acetone	ND	0.028	mg/Kg	1	05/16/16	JLI	SW8260C	
Acrylonitrile	ND	0.011	mg/Kg	1	05/16/16	JLI	SW8260C	
Benzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromochloromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromoform	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Bromomethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Chlorobenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloroform	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Chloromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Dibromomethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Ethylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Phoenix I.D.: BN31631

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.028	mg/Kg	1	05/16/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	05/16/16	JLI	SW8260C	
Methylene chloride	ND	0.011	mg/Kg	1	05/16/16	JLI	SW8260C	
Naphthalene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
o-Xylene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Styrene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	05/16/16	JLI	SW8260C	1
Toluene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Total Xylenes	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichloroethene	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
Vinyl chloride	ND	0.0056	mg/Kg	1	05/16/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/16/16	JLI	70 - 130 %	
% Bromofluorobenzene	99		%	1	05/16/16	JLI	70 - 130 %	
% Dibromofluoromethane	89		%	1	05/16/16	JLI	70 - 130 %	
% Toluene-d8	95		%	1	05/16/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Phoenix I.D.: BN31631

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.6	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	0.81	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	0.74	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	0.69	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	0.41	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	0.72	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.75	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	0.88	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	1.2	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	0.42	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-4 (0-2 FT)

Phoenix I.D.: BN31631

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	0.48	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	1.1	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	72		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	61		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	73		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	74		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	50		%	1	05/14/16	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 at RL/PQL
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.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		05/09/16	12:15
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31632

Project ID: 160117
Client ID: SP-4 (19-21 FT)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Aluminum	2860	53	mg/Kg	10	05/17/16	LK	SW6010C	
Antimony	< 3.6	3.6	mg/Kg	1	05/17/16	LK	SW6010C	
Arsenic	< 0.7	0.7	mg/Kg	1	05/17/16	LK	SW6010C	
Barium	21.2	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Beryllium	< 0.28	0.28	mg/Kg	1	05/17/16	LK	SW6010C	
Calcium	1150	5.3	mg/Kg	1	05/17/16	LK	SW6010C	
Cadmium	< 0.36	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Chromium	10.2	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Cobalt	3.35	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Copper	7.81	0.36	mg/kg	1	05/17/16	LK	SW6010C	
Iron	6540	5.3	mg/Kg	1	05/17/16	LK	SW6010C	
Lead	1.70	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Magnesium	1380	5.3	mg/Kg	1	05/17/16	LK	SW6010C	
Manganese	251	3.6	mg/Kg	10	05/17/16	LK	SW6010C	
Mercury	< 0.03	0.03	mg/Kg	1	05/13/16	MA/RS	SW7471B	
Nickel	9.46	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Potassium	639	5.3	mg/Kg	1	05/17/16	LK	SW6010C	
Selenium	< 1.4	1.4	mg/Kg	1	05/17/16	LK	SW6010C	
Silver	< 0.36	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Sodium	99.8	5.3	mg/Kg	1	05/17/16	LK	SW6010C	
Thallium	< 3.2	3.2	mg/Kg	1	05/17/16	LK	SW6010C	
Trivalent Chromium	10.2	0.36	mg/kg	1			Calculation	
Vanadium	11.8	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Zinc	11.4	0.36	mg/Kg	1	05/17/16	LK	SW6010C	
Percent Solid	90		%		05/12/16	W	SW846-%Solid	
Hexavalent Chromium Soil Digestion	Completed				05/12/16		SW3060	1
Chromium, Hexavalent	< 0.44	0.44	mg/Kg	1	05/17/16	CL/KDB	SW7196A	
pH - Soil	8.80	0.10	pH Units	1	05/12/16 22:10	DH/EG	SW9045	1

Project ID: 160117
Client ID: SP-4 (19-21 FT)

Phoenix I.D.: BN31632

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Redox Potential	133	1.0	mV	1	05/12/16	DH/EG	SM2580B-09	1
Soil Extraction for PCB	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for Pest	Completed				05/12/16	CC/V	SW3545A	
Soil Extraction for SVOA	Completed				05/13/16	RJ/CKV	SW3545A	
Mercury Digestion	Completed				05/13/16	W/W	SW7471B	
Total Metals Digest	Completed				05/16/16	G/AG	SW3050B	
Field Extraction	Completed				05/09/16		SW5035A	
Polychlorinated Biphenyls								
PCB-1016	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1221	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1232	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1242	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1248	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1254	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1260	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1262	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
PCB-1268	ND	0.073	mg/Kg	2	05/13/16	AW	SW8082A	
QA/QC Surrogates								
% DCBP	79		%	2	05/13/16	AW	30 - 150 %	
% TCMX	79		%	2	05/13/16	AW	30 - 150 %	
Pesticides - Soil								
4,4' -DDD	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDE	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
4,4' -DDT	ND	0.0022	mg/Kg	2	05/18/16	KCA	SW8081B	
a-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
a-Chlordane	ND	0.0036	mg/Kg	2	05/18/16	KCA	SW8081B	
Aldrin	ND	0.0036	mg/Kg	2	05/18/16	KCA	SW8081B	
b-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Chlordane	ND	0.036	mg/Kg	2	05/18/16	KCA	SW8081B	
d-BHC	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Dieldrin	ND	0.0036	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan I	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan II	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endosulfan sulfate	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin aldehyde	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Endrin ketone	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
g-BHC	ND	0.0015	mg/Kg	2	05/18/16	KCA	SW8081B	
g-Chlordane	ND	0.0036	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.0073	mg/Kg	2	05/18/16	KCA	SW8081B	
Methoxychlor	ND	0.036	mg/Kg	2	05/18/16	KCA	SW8081B	
Toxaphene	ND	0.15	mg/Kg	2	05/18/16	KCA	SW8081B	
QA/QC Surrogates								
% DCBP	71		%	2	05/18/16	KCA	30 - 150 %	
% TCMX	52		%	2	05/18/16	KCA	30 - 150 %	

Project ID: 160117
Client ID: SP-4 (19-21 FT)

Phoenix I.D.: BN31632

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Hexanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	

Project ID: 160117
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Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
m&p-Xylene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.026	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.0051	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	99		%	1	05/15/16	JLI	70 - 130 %	
% Dibromofluoromethane	101		%	1	05/15/16	JLI	70 - 130 %	
% Toluene-d8	99		%	1	05/15/16	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,2-Diphenylhydrazine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
1,3-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
1,4-Dichlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dichlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dimethylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2,4-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2,6-Dinitrotoluene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chloronaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Chlorophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylnaphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
2-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D

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Client ID: SP-4 (19-21 FT)

Phoenix I.D.: BN31632

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
3,3'-Dichlorobenzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
3-Nitroaniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chloroaniline	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitroaniline	ND	0.59	mg/Kg	1	05/14/16	DD	SW8270D	
4-Nitrophenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acenaphthylene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Acetophenone	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Aniline	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benz(a)anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzidine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(a)pyrene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(ghi)perylene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Benzoic acid	ND	0.74	mg/Kg	1	05/14/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Carbazole	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Chrysene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dibenzofuran	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Diethyl phthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Dimethylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-butylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Di-n-octylphthalate	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluoranthene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Fluorene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorobutadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Hexachloroethane	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Isophorone	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Naphthalene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
Nitrobenzene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodimethylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodi-n-propylamine	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D	
N-Nitrosodiphenylamine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachloronitrobenzene	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	
Pentachlorophenol	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D	

Project ID: 160117
Client ID: SP-4 (19-21 FT)

Phoenix I.D.: BN31632

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Phenanthrene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Phenol	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyrene	ND	0.26	mg/Kg	1	05/14/16	DD	SW8270D
Pyridine	ND	0.37	mg/Kg	1	05/14/16	DD	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	56		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorobiphenyl	43		%	1	05/14/16	DD	30 - 130 %
% 2-Fluorophenol	38		%	1	05/14/16	DD	30 - 130 %
% Nitrobenzene-d5	48		%	1	05/14/16	DD	30 - 130 %
% Phenol-d5	44		%	1	05/14/16	DD	30 - 130 %
% Terphenyl-d14	46		%	1	05/14/16	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 at RL/PQL
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.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/11/16	
Location Code:	HYDROBRO	Received by:	DL	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31814

Project ID: 160117
Client ID: TB LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				05/11/16		SW5035A
Volatiles							
1,1,1,2-Tetrachloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1-Dichloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1-Dichloroethene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,1-Dichloropropene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2,3-Trichloropropane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2-Dibromoethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2-Dichlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2-Dichloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,2-Dichloropropane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,3-Dichlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,3-Dichloropropane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
1,4-Dichlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
2,2-Dichloropropane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
2-Chlorotoluene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C
2-Hexanone	ND	0.025	mg/Kg	1	05/15/16	JLI	SW8260C
2-Isopropyltoluene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C 1
4-Chlorotoluene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C

Project ID: 160117
Client ID: TB LL

Phoenix I.D.: BN31814

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	0.025	mg/Kg	1	05/15/16	JLI	SW8260C	
Acetone	ND	0.025	mg/Kg	1	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Benzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromoform	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloroform	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
m&p-Xylene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	0.025	mg/Kg	1	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Styrene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	1
Toluene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.005	mg/Kg	1	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	99		%	1	05/15/16	JLI	70 - 130 %	

Project ID: 160117
Client ID: TB LL

Phoenix I.D.: BN31814

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	106		%	1	05/15/16	JLI	70 - 130 %
% Toluene-d8	98		%	1	05/15/16	JLI	70 - 130 %

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

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

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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		05/11/16	
Location Code:	HYDROBRO	Received by:	DL	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31619
Phoenix ID: BN31815

Project ID: 160117
Client ID: TB HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed				05/11/16		SW5035A	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1-Dichloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1-Dichloroethene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,1-Dichloropropene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2-Dibromoethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2-Dichloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,2-Dichloropropane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,3-Dichloropropane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
2,2-Dichloropropane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
2-Chlorotoluene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
2-Hexanone	ND	1.3	mg/Kg	50	05/15/16	JLI	SW8260C	
2-Isopropyltoluene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	1
4-Chlorotoluene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	

Project ID: 160117
Client ID: TB HL

Phoenix I.D.: BN31815

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1.3	mg/Kg	50	05/15/16	JLI	SW8260C	
Acetone	ND	1.3	mg/Kg	50	05/15/16	JLI	SW8260C	
Acrylonitrile	ND	0.5	mg/Kg	50	05/15/16	JLI	SW8260C	
Benzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Bromobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Bromochloromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Bromodichloromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Bromoform	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Bromomethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Carbon Disulfide	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Carbon tetrachloride	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Chlorobenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Chloroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Chloroform	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Chloromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Dibromochloromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Dibromomethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Ethylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Hexachlorobutadiene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Isopropylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
m&p-Xylene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	1.3	mg/Kg	50	05/15/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	0.5	mg/Kg	50	05/15/16	JLI	SW8260C	
Methylene chloride	ND	0.5	mg/Kg	50	05/15/16	JLI	SW8260C	
Naphthalene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
n-Butylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
n-Propylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
o-Xylene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
p-Isopropyltoluene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
sec-Butylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Styrene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
tert-Butylbenzene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Tetrachloroethene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	0.5	mg/Kg	50	05/15/16	JLI	SW8260C	1
Toluene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Total Xylenes	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	0.5	mg/Kg	50	05/15/16	JLI	SW8260C	
Trichloroethene	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Trichlorofluoromethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
Vinyl chloride	ND	0.25	mg/Kg	50	05/15/16	JLI	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	50	05/15/16	JLI	70 - 130 %	
% Bromofluorobenzene	97		%	50	05/15/16	JLI	70 - 130 %	

Project ID: 160117
Client ID: TB HL

Phoenix I.D.: BN31815

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	97		%	50	05/15/16	JLI	70 - 130 %
% Toluene-d8	98		%	50	05/15/16	JLI	70 - 130 %

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

QA/QC Data

SDG I.D.: GBN31619

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 345681 (mg/kg), QC Sample No: BN19925 (BN31619, BN31620, BN31621, BN31622)														
Chromium, Hexavalent (SW3060 digestion) - Solid														
Hexavalent Cr	BRL	0.40	<0.46	<0.46	NC	97.9						70 - 130	30	
Insoluble Cr						96.1			93.0			70 - 130	30	
Soluble Cr						97.1			95.9			70 - 130	30	
QA/QC Batch 345573 (mg/kg), QC Sample No: BN30747 (BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625)														
ICP Metals - Soil														
Aluminum	BRL	4.9	10700	11200	4.60	98.5			NC			75 - 125	30	
Antimony	BRL	3.3	<3.5	<3.5	NC	93.0			79.7			75 - 125	30	
Arsenic	BRL	0.66	3.7	3.98	7.30	92.7			83.4			75 - 125	30	
Barium	BRL	0.33	53.6	57.4	6.80	113			103			75 - 125	30	
Beryllium	BRL	0.26	0.43	0.46	NC	95.0			92.0			75 - 125	30	
Cadmium	BRL	0.33	<0.35	<0.35	NC	86.4			83.5			75 - 125	30	
Calcium	BRL	4.9	809	782	3.40	98.3			NC			75 - 125	30	
Chromium	BRL	0.33	11.2	12.2	8.50	101			94.7			75 - 125	30	
Cobalt	BRL	0.33	5.52	5.64	2.20	93.1			90.2			75 - 125	30	
Copper	BRL	0.33	24.7	25.5	3.20	96.7			96.0			75 - 125	30	
Iron	5.9	4.9	12600	12800	1.60	99.3			NC			75 - 125	30	
Lead	BRL	0.33	70.6	75.7	7.00	112			87.3			75 - 125	30	
Magnesium	BRL	4.9	1840	1930	4.80	100			NC			75 - 125	30	
Manganese	BRL	0.33	329	376	13.3	105			112			75 - 125	30	
Nickel	BRL	0.33	9.13	9.58	4.80	94.1			89.1			75 - 125	30	
Potassium	BRL	4.9	781	805	3.00	124			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.4	<1.4	NC	79.4			100			75 - 125	30	
Silver	BRL	0.33	<0.35	<0.35	NC	95.9			91.1			75 - 125	30	
Sodium	BRL	4.9	92.5	78.1	16.9	116			>130			75 - 125	30	m
Thallium	BRL	3.0	<3.2	<3.2	NC	95.6			87.8			75 - 125	30	
Vanadium	BRL	0.33	30.9	32.0	3.50	106			92.3			75 - 125	30	
Zinc	BRL	0.33	63.4	67.0	5.50	112			88.9			75 - 125	30	
QA/QC Batch 345478 (mg/kg), QC Sample No: BN31619 (BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)														
Mercury - Soil	BRL	0.03	<0.03	<0.02	NC	103	101	2.0	113			70 - 130	30	

Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

QA/QC Batch 345850 (mg/kg), QC Sample No: BN31623 (BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)														
Chromium, Hexavalent (SW3060 digestion) - Solid														
Hexavalent Cr	BRL	0.40	<0.41	<0.41	NC	97.0						70 - 130	30	
Insoluble Cr						90.4			92.6			70 - 130	30	
Soluble Cr						92.8			91.4			70 - 130	30	

QA/QC Data

SDG I.D.: GBN31619

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 345757 (mg/kg), QC Sample No: BN31626 (BN31626, BN31627)														
ICP Metals - Soil														
Aluminum	BRL	4.9	2180	1980	9.60	88.1			NC			75 - 125	30	
Antimony	BRL	3.3	<3.0	<3.4	NC	93.1			84.4			75 - 125	30	
Arsenic	BRL	0.66	<0.6	<0.69	NC	100			90.9			75 - 125	30	
Barium	BRL	0.33	19.3	24.2	22.5	103			113			75 - 125	30	
Beryllium	BRL	0.26	<0.24	<0.28	NC	99.9			95.5			75 - 125	30	
Cadmium	BRL	0.33	<0.30	<0.34	NC	98.0			91.2			75 - 125	30	
Calcium	BRL	4.9	738	851	14.2	94.5			NC			75 - 125	30	
Chromium	BRL	0.33	5.34	5.07	5.20	101			95.6			75 - 125	30	
Cobalt	BRL	0.33	2.15	2.09	2.80	100			94.6			75 - 125	30	
Copper	BRL	0.33	4.66	4.90	5.00	101			96.2			75 - 125	30	
Iron	BRL	4.9	4310	4460	3.40	86.9			NC			75 - 125	30	
Lead	BRL	0.33	1.53	1.65	NC	96.9			92.8			75 - 125	30	
Magnesium	BRL	4.9	962	957	0.50	100			NC			75 - 125	30	
Manganese	BRL	0.33	293	271	7.80	107			107			75 - 125	30	
Nickel	BRL	0.33	5.40	4.72	13.4	102			93.3			75 - 125	30	
Potassium	BRL	4.9	539	566	4.90	103			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.2	<1.4	NC	88.4			81.1			75 - 125	30	
Silver	BRL	0.33	<0.30	<0.34	NC	96.1			92.4			75 - 125	30	
Sodium	BRL	4.9	95.4	74.3	24.9	104			>130			75 - 125	30	m
Thallium	BRL	3.0	<2.7	<3.1	NC	102			92.8			75 - 125	30	
Vanadium	BRL	0.33	5.65	5.85	3.50	103			94.8			75 - 125	30	
Zinc	0.33	0.33	7.17	8.04	11.4	103			92.5			75 - 125	30	
QA/QC Batch 345881 (mg/kg), QC Sample No: BN31628 (BN31628)														
ICP Metals - Soil														
Aluminum	BRL	5.0	3880	4460	13.9	88.9			NC			75 - 125	30	
Antimony	BRL	3.3	<3.1	<3.4	NC	95.0			80.4			75 - 125	30	
Arsenic	BRL	0.67	1.4	1.35	NC	98.1			91.3			75 - 125	30	
Barium	BRL	0.33	67.0	60.6	10.0	97.6			95.5			75 - 125	30	
Beryllium	BRL	0.27	0.34	0.31	NC	95.8			94.2			75 - 125	30	
Cadmium	BRL	0.33	<0.31	<0.34	NC	95.3			89.7			75 - 125	30	
Calcium	BRL	5.0	8030	7320	9.30	96.7			NC			75 - 125	30	
Chromium	BRL	0.33	13.9	10.5	27.9	98.9			95.3			75 - 125	30	
Cobalt	BRL	0.33	5.61	4.72	17.2	97.3			94.0			75 - 125	30	
Copper	BRL	0.33	19.7	16.9	15.3	96.3			97.2			75 - 125	30	
Iron	15.3	5.0	8350	7940	5.00	95.4			NC			75 - 125	30	
Lead	BRL	0.33	36.0	29.8	18.8	92.8			88.3			75 - 125	30	
Magnesium	BRL	5.0	2620	2080	23.0	99.5			NC			75 - 125	30	
Manganese	BRL	0.33	351	422	18.4	95.8			67.9			75 - 125	30	m
Nickel	BRL	0.33	13.6	10.6	24.8	95.4			91.6			75 - 125	30	
Potassium	BRL	5.0	978	953	2.60	112			>130			75 - 125	30	m
Selenium	BRL	1.3	<1.3	<1.4	NC	86.9			83.8			75 - 125	30	
Silver	BRL	0.33	<0.31	<0.34	NC	93.8			94.4			75 - 125	30	
Sodium	BRL	5.0	293	312	6.30	111			>130			75 - 125	30	m
Thallium	BRL	3.0	<2.8	<3.1	NC	99.1			92.8			75 - 125	30	
Vanadium	BRL	0.33	15.5	13.0	17.5	102			93.7			75 - 125	30	
Zinc	0.42	0.33	43.1	25.3	52.0	94.3			81.2			75 - 125	30	r
QA/QC Batch 345758 (mg/kg), QC Sample No: BN31629 (BN31629, BN31630, BN31631, BN31632)														
ICP Metals - Soil														
Aluminum	BRL	5.0	9620	9710	0.90	91.2			NC			75 - 125	30	

QA/QC Data

SDG I.D.: GBN31619

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Antimony	BRL	3.3	<3.5	3.4	NC	96.0			82.6			75 - 125	30	
Arsenic	BRL	0.67	14.6	17.4	17.5	99.3			96.6			75 - 125	30	
Barium	BRL	0.33	710	557	24.2	101			NC			75 - 125	30	
Beryllium	BRL	0.27	0.46	0.46	NC	100			97.2			75 - 125	30	
Cadmium	BRL	0.33	1.69	2.29	NC	96.4			90.0			75 - 125	30	
Calcium	BRL	5.0	46900	45100	3.90	100			NC			75 - 125	30	
Chromium	BRL	0.33	29.7	42.5	35.5	99.8			98.9			75 - 125	30	r
Cobalt	BRL	0.33	9.07	11.0	19.2	97.5			95.1			75 - 125	30	
Copper	BRL	0.33	120	175	37.3	99.0			121			75 - 125	30	r
Iron	BRL	5.0	21100	38400	58.2	93.7			NC			75 - 125	30	r
Lead	BRL	0.33	922	1030	11.1	94.7			59.9			75 - 125	30	m
Magnesium	BRL	5.0	7830	7730	1.30	103			NC			75 - 125	30	
Manganese	BRL	0.33	311	352	12.4	101			109			75 - 125	30	
Nickel	BRL	0.33	28.2	40.8	36.5	98.8			93.8			75 - 125	30	r
Potassium	BRL	5.0	2800	2970	5.90	105			125			75 - 125	30	
Selenium	BRL	1.3	<1.4	<1.4	NC	89.0			87.1			75 - 125	30	
Silver	BRL	0.33	0.69	0.58	NC	98.3			101			75 - 125	30	
Sodium	BRL	5.0	552	562	1.80	99.9			121			75 - 125	30	
Thallium	BRL	3.0	<3.1	<3.1	NC	97.6			94.5			75 - 125	30	
Vanadium	BRL	0.33	45.0	40.8	9.80	106			92.8			75 - 125	30	
Zinc	BRL	0.33	570	595	4.30	98.2			>130			75 - 125	30	m

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

May 23, 2016

QA/QC Data

SDG I.D.: GBN31619

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 345451 (PH), QC Sample No: BN30964 (BN31619, BN31620)													
pH - Soil			5.54	5.52	0.40	98.5						85 - 115	20
QA/QC Batch 345452 (PH), QC Sample No: BN31621 (BN31621, BN31622, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)													
pH - Soil			12.03	12.12	0.70	98.5						85 - 115	20

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

May 23, 2016

QA/QC Data

SDG I.D.: GBN31619

QA/QC Batch 345857 (mg/Kg), QC Sample No: BN30391 (BN31622, BN31629, BN31631)

Volatiles - Solid

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	0.005	115	122	5.9	117	129	9.8	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	110	117	6.2	118	128	8.1	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	99	103	4.0	101	104	2.9	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	99	107	7.8	105	110	4.7	70 - 130	30	
1,1-Dichloroethane	ND	0.005	98	104	5.9	102	106	3.8	70 - 130	30	
1,1-Dichloroethene	ND	0.005	104	105	1.0	104	112	7.4	70 - 130	30	
1,1-Dichloropropene	ND	0.005	110	117	6.2	124	131	5.5	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	0.005	114	112	1.8	96	106	9.9	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	95	103	8.1	103	105	1.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	114	111	2.7	103	112	8.4	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	107	107	0.0	110	114	3.6	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	106	112	5.5	102	121	17.0	70 - 130	30	
1,2-Dibromoethane	ND	0.005	102	113	10.2	104	119	13.5	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	109	108	0.9	113	115	1.8	70 - 130	30	
1,2-Dichloroethane	ND	0.005	110	114	3.6	124	129	4.0	70 - 130	30	
1,2-Dichloropropane	ND	0.005	94	101	7.2	103	109	5.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	109	108	0.9	113	118	4.3	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	114	109	4.5	113	118	4.3	70 - 130	30	
1,3-Dichloropropane	ND	0.005	97	106	8.9	102	110	7.5	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	109	106	2.8	111	116	4.4	70 - 130	30	
2,2-Dichloropropane	ND	0.005	106	115	8.1	109	117	7.1	70 - 130	30	
2-Chlorotoluene	ND	0.005	113	111	1.8	117	117	0.0	70 - 130	30	
2-Hexanone	ND	0.025	66	73	10.1	68	79	15.0	70 - 130	30	l,m
2-Isopropyltoluene	ND	0.005	105	105	0.0	105	110	4.7	70 - 130	30	
4-Chlorotoluene	ND	0.005	111	107	3.7	113	112	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	76	82	7.6	78	87	10.9	70 - 130	30	
Acetone	ND	0.01	65	75	14.3	61	68	10.9	70 - 130	30	l,m
Acrylonitrile	ND	0.005	75	82	8.9	72	80	10.5	70 - 130	30	
Benzene	ND	0.001	102	107	4.8	110	116	5.3	70 - 130	30	
Bromobenzene	ND	0.005	112	115	2.6	118	120	1.7	70 - 130	30	
Bromochloromethane	ND	0.005	105	111	5.6	101	111	9.4	70 - 130	30	
Bromodichloromethane	ND	0.005	116	117	0.9	119	127	6.5	70 - 130	30	
Bromoform	ND	0.005	125	139	10.6	114	126	10.0	70 - 130	30	l
Bromomethane	ND	0.005	110	115	4.4	102	117	13.7	70 - 130	30	
Carbon Disulfide	ND	0.005	99	102	3.0	98	104	5.9	70 - 130	30	
Carbon tetrachloride	ND	0.005	117	123	5.0	118	130	9.7	70 - 130	30	
Chlorobenzene	ND	0.005	107	114	6.3	111	123	10.3	70 - 130	30	
Chloroethane	ND	0.005	100	111	10.4	121	130	7.2	70 - 130	30	
Chloroform	ND	0.005	101	109	7.6	107	112	4.6	70 - 130	30	
Chloromethane	ND	0.005	105	105	0.0	111	116	4.4	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	99	103	4.0	96	107	10.8	70 - 130	30	

QA/QC Data

SDG I.D.: GBN31619

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.005	100	107	6.8	105	113	7.3	70 - 130	30	
Dibromochloromethane	ND	0.003	114	123	7.6	109	118	7.9	70 - 130	30	
Dibromomethane	ND	0.005	102	109	6.6	111	116	4.4	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	125	130	3.9	134	147	9.3	70 - 130	30	m
Ethylbenzene	ND	0.001	107	114	6.3	115	126	9.1	70 - 130	30	
Hexachlorobutadiene	ND	0.005	122	120	1.7	93	108	14.9	70 - 130	30	
Isopropylbenzene	ND	0.001	108	108	0.0	113	116	2.6	70 - 130	30	
m&p-Xylene	ND	0.002	108	114	5.4	117	128	9.0	70 - 130	30	
Methyl ethyl ketone	ND	0.005	68	75	9.8	70	74	5.6	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	0.001	97	105	7.9	96	104	8.0	70 - 130	30	
Methylene chloride	ND	0.005	87	92	5.6	76	84	10.0	70 - 130	30	
Naphthalene	ND	0.005	103	104	1.0	97	106	8.9	70 - 130	30	
n-Butylbenzene	ND	0.001	108	104	3.8	106	111	4.6	70 - 130	30	
n-Propylbenzene	ND	0.001	108	105	2.8	112	116	3.5	70 - 130	30	
o-Xylene	ND	0.002	106	112	5.5	112	124	10.2	70 - 130	30	
p-Isopropyltoluene	ND	0.001	112	111	0.9	112	117	4.4	70 - 130	30	
sec-Butylbenzene	ND	0.001	113	111	1.8	113	117	3.5	70 - 130	30	
Styrene	ND	0.005	101	110	8.5	108	118	8.8	70 - 130	30	
tert-Butylbenzene	ND	0.001	112	110	1.8	113	117	3.5	70 - 130	30	
Tetrachloroethene	ND	0.005	116	115	0.9	127	132	3.9	70 - 130	30	m
Tetrahydrofuran (THF)	ND	0.005	73	82	11.6	73	83	12.8	70 - 130	30	
Toluene	ND	0.001	104	110	5.6	122	120	1.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	101	108	6.7	100	108	7.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	101	110	8.5	106	111	4.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	95	99	4.1	87	89	2.3	70 - 130	30	
Trichloroethene	ND	0.005	111	114	2.7	123	128	4.0	70 - 130	30	
Trichlorofluoromethane	ND	0.005	112	116	3.5	94	105	11.1	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	109	109	0.0	109	121	10.4	70 - 130	30	
Vinyl chloride	ND	0.005	96	100	4.1	97	105	7.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	%	105	100	4.9	101	97	4.0	70 - 130	30	
% Bromofluorobenzene	98	%	101	102	1.0	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	104	%	96	103	7.0	97	92	5.3	70 - 130	30	
% Toluene-d8	99	%	99	98	1.0	101	99	2.0	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 345353 (mg/Kg), QC Sample No: BN30964 (BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	0.23	61	62	1.6	57	60	5.1	30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	64	64	0.0	60	63	4.9	30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	58	58	0.0	55	59	7.0	30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	79	81	2.5	66	68	3.0	30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	56	57	1.8	52	56	7.4	30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	57	58	1.7	55	57	3.6	30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	78	79	1.3	67	69	2.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	74	74	0.0	66	65	1.5	30 - 130	30	
2,4-Dichlorophenol	ND	0.13	72	74	2.7	63	66	4.7	30 - 130	30	
2,4-Dimethylphenol	ND	0.23	68	67	1.5	55	53	3.7	30 - 130	30	
2,4-Dinitrophenol	ND	0.23	<10	<10	NC	78	71	9.4	30 - 130	30	I
2,4-Dinitrotoluene	ND	0.13	81	83	2.4	70	73	4.2	30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	82	83	1.2	68	70	2.9	30 - 130	30	
2-Chloronaphthalene	ND	0.23	74	76	2.7	68	69	1.5	30 - 130	30	
2-Chlorophenol	ND	0.23	71	70	1.4	63	67	6.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBN31619

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Methylnaphthalene	ND	0.23	68	69	1.5	65	67	3.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	76	72	5.4	63	70	10.5	30 - 130	30	
2-Nitroaniline	ND	0.33	74	72	2.7	64	61	4.8	30 - 130	30	
2-Nitrophenol	ND	0.23	68	68	0.0	64	66	3.1	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	75	76	1.3	65	66	1.5	30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	65	65	0.0	10	<10	NC	30 - 130	30	m
3-Nitroaniline	ND	0.33	73	74	1.4	60	59	1.7	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	24	20	18.2	81	77	5.1	30 - 130	30	l
4-Bromophenyl phenyl ether	ND	0.23	78	79	1.3	66	68	3.0	30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	80	81	1.2	67	71	5.8	30 - 130	30	
4-Chloroaniline	ND	0.23	77	77	0.0	53	48	9.9	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	77	79	2.6	68	70	2.9	30 - 130	30	
4-Nitroaniline	ND	0.23	89	89	0.0	74	76	2.7	30 - 130	30	
4-Nitrophenol	ND	0.23	88	88	0.0	74	75	1.3	30 - 130	30	
Acenaphthene	ND	0.23	76	77	1.3	68	70	2.9	30 - 130	30	
Acenaphthylene	ND	0.13	76	77	1.3	68	70	2.9	30 - 130	30	
Acetophenone	ND	0.23	66	66	0.0	62	66	6.3	30 - 130	30	
Aniline	ND	0.33	60	60	0.0	23	15	42.1	30 - 130	30	m,r
Anthracene	ND	0.23	80	80	0.0	68	70	2.9	30 - 130	30	
Benz(a)anthracene	ND	0.23	78	77	1.3	60	61	1.7	30 - 130	30	
Benzidine	ND	0.33	19	19	0.0	<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	0.13	76	75	1.3	56	57	1.8	30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	78	79	1.3	59	66	11.2	30 - 130	30	
Benzo(ghi)perylene	ND	0.23	71	69	2.9	51	52	1.9	30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	77	77	0.0	61	59	3.3	30 - 130	30	
Benzoic Acid	ND	0.33	<10	<10	NC	69	72	4.3	30 - 130	30	l
Benzyl butyl phthalate	ND	0.23	85	85	0.0	70	71	1.4	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	74	74	0.0	68	72	5.7	30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	62	63	1.6	58	64	9.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	61	62	1.6	57	61	6.8	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	88	88	0.0	72	73	1.4	30 - 130	30	
Carbazole	ND	0.23	78	78	0.0	67	67	0.0	30 - 130	30	
Chrysene	ND	0.23	84	84	0.0	63	64	1.6	30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	73	70	4.2	53	55	3.7	30 - 130	30	
Dibenzofuran	ND	0.23	76	76	0.0	67	69	2.9	30 - 130	30	
Diethyl phthalate	ND	0.23	82	83	1.2	68	71	4.3	30 - 130	30	
Dimethylphthalate	ND	0.23	79	81	2.5	66	69	4.4	30 - 130	30	
Di-n-butylphthalate	ND	0.23	86	87	1.2	72	73	1.4	30 - 130	30	
Di-n-octylphthalate	ND	0.23	87	87	0.0	73	75	2.7	30 - 130	30	
Fluoranthene	ND	0.23	79	79	0.0	39	38	2.6	30 - 130	30	
Fluorene	ND	0.23	78	78	0.0	69	70	1.4	30 - 130	30	
Hexachlorobenzene	ND	0.13	80	82	2.5	69	70	1.4	30 - 130	30	
Hexachlorobutadiene	ND	0.23	61	61	0.0	56	60	6.9	30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	59	59	0.0	56	54	3.6	30 - 130	30	
Hexachloroethane	ND	0.13	59	58	1.7	52	55	5.6	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	75	73	2.7	54	55	1.8	30 - 130	30	
Isophorone	ND	0.13	68	69	1.5	61	64	4.8	30 - 130	30	
Naphthalene	ND	0.23	68	69	1.5	66	70	5.9	30 - 130	30	
Nitrobenzene	ND	0.13	71	71	0.0	66	70	5.9	30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	58	59	1.7	56	22	87.2	30 - 130	30	m,r
N-Nitrosodi-n-propylamine	ND	0.13	75	75	0.0	69	73	5.6	30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	90	91	1.1	72	70	2.8	30 - 130	30	
Pentachloronitrobenzene	ND	0.23	76	78	2.6	67	68	1.5	30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Pentachlorophenol	ND	0.23	57	55	3.6	78	74	5.3	30 - 130	30	
Phenanthrene	ND	0.13	80	80	0.0	50	52	3.9	30 - 130	30	
Phenol	ND	0.23	79	79	0.0	66	70	5.9	30 - 130	30	
Pyrene	ND	0.23	81	82	1.2	52	52	0.0	30 - 130	30	
Pyridine	ND	0.23	38	36	5.4	<10	<10	NC	30 - 130	30	m
% 2,4,6-Tribromophenol	69	%	86	85	1.2	71	74	4.1	30 - 130	30	
% 2-Fluorobiphenyl	61	%	70	70	0.0	61	64	4.8	30 - 130	30	
% 2-Fluorophenol	64	%	73	72	1.4	63	69	9.1	30 - 130	30	
% Nitrobenzene-d5	60	%	69	68	1.5	63	68	7.6	30 - 130	30	
% Phenol-d5	65	%	76	75	1.3	64	70	9.0	30 - 130	30	
% Terphenyl-d14	75	%	77	77	0.0	66	68	3.0	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 345739 (mg/Kg), QC Sample No: BN31621 (BN31619, BN31621)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	0.005	103		84	85	1.2	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	103		89	87	2.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	96		77	78	1.3	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	104		90	92	2.2	70 - 130	30	
1,1-Dichloroethane	ND	0.005	100		93	89	4.4	70 - 130	30	
1,1-Dichloroethene	ND	0.005	110		87	84	3.5	70 - 130	30	
1,1-Dichloropropene	ND	0.005	108		97	94	3.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	115		106	104	1.9	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	91		76	77	1.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	0.005	111		100	97	3.0	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	106		100	96	4.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	116		85	88	3.5	70 - 130	30	
1,2-Dibromoethane	ND	0.005	100		90	88	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	104		95	93	2.1	70 - 130	30	
1,2-Dichloroethane	ND	0.005	106		92	91	1.1	70 - 130	30	
1,2-Dichloropropane	ND	0.005	105		94	93	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	107		100	98	2.0	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	103		94	92	2.2	70 - 130	30	
1,3-Dichloropropane	ND	0.005	97		88	87	1.1	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	106		95	93	2.1	70 - 130	30	
2,2-Dichloropropane	ND	0.005	104		83	83	0.0	70 - 130	30	
2-Chlorotoluene	ND	0.005	107		99	97	2.0	70 - 130	30	
2-Hexanone	ND	0.025	93		74	77	4.0	70 - 130	30	
2-Isopropyltoluene	ND	0.005	103		96	93	3.2	70 - 130	30	
4-Chlorotoluene	ND	0.005	101		93	90	3.3	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	100		80	82	2.5	70 - 130	30	
Acetone	ND	0.01	70		53	54	1.9	70 - 130	30	m
Acrylonitrile	ND	0.005	98		85	87	2.3	70 - 130	30	
Benzene	ND	0.001	105		95	94	1.1	70 - 130	30	
Bromobenzene	ND	0.005	105		93	92	1.1	70 - 130	30	
Bromochloromethane	ND	0.005	98		89	90	1.1	70 - 130	30	
Bromodichloromethane	ND	0.005	111		90	89	1.1	70 - 130	30	
Bromoform	ND	0.005	114		78	80	2.5	70 - 130	30	
Bromomethane	ND	0.005	104		63	65	3.1	70 - 130	30	m
Carbon Disulfide	ND	0.005	113		92	89	3.3	70 - 130	30	
Carbon tetrachloride	ND	0.005	108		82	82	0.0	70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	0.005	103			96	93	3.2	70 - 130	30	
Chloroethane	ND	0.005	109			19	18	5.4	70 - 130	30	m
Chloroform	ND	0.005	95			86	84	2.4	70 - 130	30	
Chloromethane	ND	0.005	114			111	102	8.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	0.005	100			92	91	1.1	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	106			88	88	0.0	70 - 130	30	
Dibromochloromethane	ND	0.003	110			84	87	3.5	70 - 130	30	
Dibromomethane	ND	0.005	110			95	94	1.1	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	118			109	103	5.7	70 - 130	30	
Ethylbenzene	ND	0.001	109			102	100	2.0	70 - 130	30	
Hexachlorobutadiene	ND	0.005	98			91	88	3.4	70 - 130	30	
Isopropylbenzene	ND	0.001	102			94	91	3.2	70 - 130	30	
m&p-Xylene	ND	0.002	117			111	107	3.7	70 - 130	30	
Methyl ethyl ketone	ND	0.005	86			68	74	8.5	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	0.001	100			90	91	1.1	70 - 130	30	
Methylene chloride	ND	0.005	112			103	101	2.0	70 - 130	30	
Naphthalene	ND	0.005	127			111	114	2.7	70 - 130	30	
n-Butylbenzene	ND	0.001	107			98	94	4.2	70 - 130	30	
n-Propylbenzene	ND	0.001	105			96	93	3.2	70 - 130	30	
o-Xylene	ND	0.002	115			109	107	1.9	70 - 130	30	
p-Isopropyltoluene	ND	0.001	107			99	96	3.1	70 - 130	30	
sec-Butylbenzene	ND	0.001	105			98	94	4.2	70 - 130	30	
Styrene	ND	0.005	106			101	98	3.0	70 - 130	30	
tert-Butylbenzene	ND	0.001	104			96	94	2.1	70 - 130	30	
Tetrachloroethene	ND	0.005	113			104	101	2.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	92			78	81	3.8	70 - 130	30	
Toluene	ND	0.001	110			101	99	2.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	102			93	91	2.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	103			86	88	2.3	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	101			72	72	0.0	70 - 130	30	
Trichloroethene	ND	0.005	107			99	97	2.0	70 - 130	30	
Trichlorofluoromethane	ND	0.005	106			25	27	7.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	0.005	105			86	83	3.6	70 - 130	30	
Vinyl chloride	ND	0.005	105			100	96	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	95	%	101			101	101	0.0	70 - 130	30	
% Bromofluorobenzene	94	%	105			105	106	0.9	70 - 130	30	
% Dibromofluoromethane	99	%	94			90	94	4.3	70 - 130	30	
% Toluene-d8	90	%	103			102	103	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 345406 (mg/Kg), QC Sample No: BN31683 2X (BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)

Pesticides - Solid

4,4' -DDD	ND	0.0017	106	117	9.9	143	137	4.3	40 - 140	30	
4,4' -DDE	ND	0.0017	98	110	11.5	95	87	8.8	40 - 140	30	
4,4' -DDT	ND	0.0017	99	110	10.5	127	136	6.8	40 - 140	30	
a-BHC	ND	0.001	96	103	7.0	80	69	14.8	40 - 140	30	
a-Chlordane	ND	0.0033	99	109	9.6	90	76	16.9	40 - 140	30	
Aldrin	ND	0.001	96	106	9.9	83	70	17.0	40 - 140	30	
b-BHC	ND	0.001	99	106	6.8	105	79	28.3	40 - 140	30	
Chlordane	ND	0.033	94	102	8.2	81	69	16.0	40 - 140	30	
d-BHC	ND	0.0033	91	104	13.3	87	70	21.7	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dieldrin	ND	0.001	99	111	11.4	140	143	2.1	40 - 140	30	
Endosulfan I	ND	0.0033	100	113	12.2	82	69	17.2	40 - 140	30	
Endosulfan II	ND	0.0033	100	112	11.3	96	70	31.3	40 - 140	30	r
Endosulfan sulfate	ND	0.0033	102	112	9.3	97	83	15.6	40 - 140	30	
Endrin	ND	0.0033	89	101	12.6	88	77	13.3	40 - 140	30	
Endrin aldehyde	ND	0.0033	82	96	15.7	92	84	9.1	40 - 140	30	
Endrin ketone	ND	0.0033	106	115	8.1	126	119	5.7	40 - 140	30	
g-BHC	ND	0.001	98	105	6.9	83	71	15.6	40 - 140	30	
g-Chlordane	ND	0.0033	94	102	8.2	81	69	16.0	40 - 140	30	
Heptachlor	ND	0.0033	96	112	15.4	84	67	22.5	40 - 140	30	
Heptachlor epoxide	ND	0.0033	98	108	9.7	96	77	22.0	40 - 140	30	
Methoxychlor	ND	0.0033	101	109	7.6	104	100	3.9	40 - 140	30	
Toxaphene	ND	0.13	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	96	%	91	98	7.4	79	66	17.9	30 - 150	30	
% TCMX	93	%	80	83	3.7	68	58	15.9	30 - 150	30	

QA/QC Batch 345409 (mg/Kg), QC Sample No: BN31683 2X (BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	0.033	77	89	14.5	59	81	31.4	40 - 140	30	r
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	81	94	14.9	82	110	29.2	40 - 140	30	
PCB-1262	ND	0.033							40 - 140	30	
PCB-1268	ND	0.033							40 - 140	30	
% DCBP (Surrogate Rec)	91	%	86	97	12.0	66	84	24.0	30 - 150	30	
% TCMX (Surrogate Rec)	82	%	73	86	16.4	54	73	29.9	30 - 150	30	

QA/QC Batch 345403 (mg/Kg), QC Sample No: BN31683 (BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	0.23	80			85			30 - 130	30	
1,2,4-Trichlorobenzene	ND	0.23	66			75			30 - 130	30	
1,2-Dichlorobenzene	ND	0.18	59			70			30 - 130	30	
1,2-Diphenylhydrazine	ND	0.23	74			79			30 - 130	30	
1,3-Dichlorobenzene	ND	0.23	53			63			30 - 130	30	
1,4-Dichlorobenzene	ND	0.23	55			67			30 - 130	30	
2,4,5-Trichlorophenol	ND	0.23	74			81			30 - 130	30	
2,4,6-Trichlorophenol	ND	0.13	79			83			30 - 130	30	
2,4-Dichlorophenol	ND	0.13	72			73			30 - 130	30	
2,4-Dimethylphenol	ND	0.23	62			68			30 - 130	30	
2,4-Dinitrophenol	ND	0.23	11			42			30 - 130	30	l
2,4-Dinitrotoluene	ND	0.13	79			83			30 - 130	30	
2,6-Dinitrotoluene	ND	0.13	82			85			30 - 130	30	
2-Chloronaphthalene	ND	0.23	78			85			30 - 130	30	
2-Chlorophenol	ND	0.23	67			73			30 - 130	30	
2-Methylnaphthalene	ND	0.23	80			85			30 - 130	30	
2-Methylphenol (o-cresol)	ND	0.23	73			81			30 - 130	30	
2-Nitroaniline	ND	0.33	65			76			30 - 130	30	
2-Nitrophenol	ND	0.23	69			75			30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	0.23	76			85			30 - 130	30	
3,3'-Dichlorobenzidine	ND	0.13	61			62			30 - 130	30	

QA/QC Data

SDG I.D.: GBN31619

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3-Nitroaniline	ND	0.33	71			78			30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	0.23	39			73			30 - 130	30	
4-Bromophenyl phenyl ether	ND	0.23	79			79			30 - 130	30	
4-Chloro-3-methylphenol	ND	0.23	88			91			30 - 130	30	
4-Chloroaniline	ND	0.23	76			79			30 - 130	30	
4-Chlorophenyl phenyl ether	ND	0.23	77			79			30 - 130	30	
4-Nitroaniline	ND	0.23	74			80			30 - 130	30	
4-Nitrophenol	ND	0.23	73			80			30 - 130	30	
Acenaphthene	ND	0.23	82			88			30 - 130	30	
Acenaphthylene	ND	0.13	76			81			30 - 130	30	
Acetophenone	ND	0.23	61			71			30 - 130	30	
Aniline	ND	0.33	46			52			30 - 130	30	
Anthracene	ND	0.23	78			83			30 - 130	30	
Benz(a)anthracene	ND	0.23	75			82			30 - 130	30	
Benzidine	ND	0.33	18			20			30 - 130	30	l,m
Benzo(a)pyrene	ND	0.13	73			76			30 - 130	30	
Benzo(b)fluoranthene	ND	0.16	69			80			30 - 130	30	
Benzo(ghi)perylene	ND	0.23	70			75			30 - 130	30	
Benzo(k)fluoranthene	ND	0.23	74			85			30 - 130	30	
Benzoic Acid	ND	0.33	<10			<10			30 - 130	30	l,m
Benzyl butyl phthalate	ND	0.23	79			81			30 - 130	30	
Bis(2-chloroethoxy)methane	ND	0.23	65			70			30 - 130	30	
Bis(2-chloroethyl)ether	ND	0.13	55			59			30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	0.23	49			54			30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	0.23	79			81			30 - 130	30	
Carbazole	ND	0.23	75			77			30 - 130	30	
Chrysene	ND	0.23	82			91			30 - 130	30	
Dibenz(a,h)anthracene	ND	0.13	76			72			30 - 130	30	
Dibenzofuran	ND	0.23	76			81			30 - 130	30	
Diethyl phthalate	ND	0.23	85			89			30 - 130	30	
Dimethylphthalate	ND	0.23	81			82			30 - 130	30	
Di-n-butylphthalate	ND	0.23	82			83			30 - 130	30	
Di-n-octylphthalate	ND	0.23	74			73			30 - 130	30	
Fluoranthene	ND	0.23	79			87			30 - 130	30	
Fluorene	ND	0.23	88			91			30 - 130	30	
Hexachlorobenzene	ND	0.13	77			78			30 - 130	30	
Hexachlorobutadiene	ND	0.23	72			81			30 - 130	30	
Hexachlorocyclopentadiene	ND	0.23	72			76			30 - 130	30	
Hexachloroethane	ND	0.13	67			75			30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	0.23	73			73			30 - 130	30	
Isophorone	ND	0.13	56			59			30 - 130	30	
Naphthalene	ND	0.23	64			72			30 - 130	30	
Nitrobenzene	ND	0.13	66			77			30 - 130	30	
N-Nitrosodimethylamine	ND	0.23	47			56			30 - 130	30	
N-Nitrosodi-n-propylamine	ND	0.13	74			79			30 - 130	30	
N-Nitrosodiphenylamine	ND	0.13	96			100			30 - 130	30	
Pentachloronitrobenzene	ND	0.23	82			83			30 - 130	30	
Pentachlorophenol	ND	0.23	51			58			30 - 130	30	
Phenanthrene	ND	0.13	80			85			30 - 130	30	
Phenol	ND	0.23	68			71			30 - 130	30	
Pyrene	ND	0.23	82			89			30 - 130	30	
Pyridine	ND	0.23	34			41			30 - 130	30	
% 2,4,6-Tribromophenol	47	%	73			76			30 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 2-Fluorobiphenyl	58	%	69			75			30 - 130	30	
% 2-Fluorophenol	55	%	64			67			30 - 130	30	
% Nitrobenzene-d5	58	%	65			75			30 - 130	30	
% Phenol-d5	58	%	74			77			30 - 130	30	
% Terphenyl-d14	59	%	75			79			30 - 130	30	

Comment:

LCSD/MSD not reportred for this batch.

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 345716 (mg/Kg), QC Sample No: BN32073 (BN31620, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31630, BN31632, BN31814, BN31815 (50X))

Volatiles - Solid, Soil

1,1,1,2-Tetrachloroethane	ND	0.005	107	110	2.8	114	108	5.4	70 - 130	30	
1,1,1-Trichloroethane	ND	0.005	110	113	2.7	120	112	6.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	0.003	112	113	0.9	123	117	5.0	70 - 130	30	
1,1,2-Trichloroethane	ND	0.005	110	112	1.8	125	116	7.5	70 - 130	30	
1,1-Dichloroethane	ND	0.005	112	115	2.6	122	115	5.9	70 - 130	30	
1,1-Dichloroethene	ND	0.005	112	114	1.8	123	113	8.5	70 - 130	30	
1,1-Dichloropropene	ND	0.005	111	113	1.8	119	110	7.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	0.005	106	108	1.9	104	98	5.9	70 - 130	30	
1,2,3-Trichloropropane	ND	0.005	113	116	2.6	132	124	6.3	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	0.005	109	108	0.9	99	93	6.3	70 - 130	30	
1,2,4-Trimethylbenzene	ND	0.001	106	106	0.0	106	97	8.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	0.005	107	116	8.1	130	120	8.0	70 - 130	30	
1,2-Dibromoethane	ND	0.005	107	111	3.7	122	116	5.0	70 - 130	30	
1,2-Dichlorobenzene	ND	0.005	106	108	1.9	109	102	6.6	70 - 130	30	
1,2-Dichloroethane	ND	0.005	110	112	1.8	121	115	5.1	70 - 130	30	
1,2-Dichloropropane	ND	0.005	108	112	3.6	117	111	5.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	0.001	104	106	1.9	106	98	7.8	70 - 130	30	
1,3-Dichlorobenzene	ND	0.005	106	107	0.9	104	97	7.0	70 - 130	30	
1,3-Dichloropropane	ND	0.005	107	109	1.9	119	112	6.1	70 - 130	30	
1,4-Dichlorobenzene	ND	0.005	105	106	0.9	103	97	6.0	70 - 130	30	
2,2-Dichloropropane	ND	0.005	113	114	0.9	111	104	6.5	70 - 130	30	
2-Chlorotoluene	ND	0.005	105	106	0.9	108	100	7.7	70 - 130	30	
2-Hexanone	ND	0.025	96	97	1.0	109	105	3.7	70 - 130	30	
2-Isopropyltoluene	ND	0.005	105	105	0.0	108	99	8.7	70 - 130	30	
4-Chlorotoluene	ND	0.005	102	103	1.0	102	95	7.1	70 - 130	30	
4-Methyl-2-pentanone	ND	0.025	105	109	3.7	126	121	4.0	70 - 130	30	
Acetone	ND	0.01	84	84	0.0	97	95	2.1	70 - 130	30	
Acrylonitrile	ND	0.005	112	110	1.8	133	132	0.8	70 - 130	30	m
Benzene	ND	0.001	108	113	4.5	118	110	7.0	70 - 130	30	
Bromobenzene	ND	0.005	106	110	3.7	113	104	8.3	70 - 130	30	
Bromochloromethane	ND	0.005	114	117	2.6	127	121	4.8	70 - 130	30	
Bromodichloromethane	ND	0.005	111	115	3.5	121	114	6.0	70 - 130	30	
Bromoform	ND	0.005	112	117	4.4	121	118	2.5	70 - 130	30	
Bromomethane	ND	0.005	109	111	1.8	115	110	4.4	70 - 130	30	
Carbon Disulfide	ND	0.005	116	118	1.7	124	116	6.7	70 - 130	30	
Carbon tetrachloride	ND	0.005	110	113	2.7	118	111	6.1	70 - 130	30	
Chlorobenzene	ND	0.005	104	105	1.0	109	102	6.6	70 - 130	30	
Chloroethane	ND	0.005	115	118	2.6	124	116	6.7	70 - 130	30	
Chloroform	ND	0.005	114	118	3.4	125	118	5.8	70 - 130	30	
Chloromethane	ND	0.005	115	116	0.9	120	112	6.9	70 - 130	30	

QA/QC Data

SDG I.D.: GBN31619

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,2-Dichloroethene	ND	0.005	108	111	2.7	118	112	5.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	0.005	108	112	3.6	114	107	6.3	70 - 130	30	
Dibromochloromethane	ND	0.003	110	114	3.6	118	115	2.6	70 - 130	30	
Dibromomethane	ND	0.005	109	115	5.4	126	119	5.7	70 - 130	30	
Dichlorodifluoromethane	ND	0.005	110	107	2.8	112	104	7.4	70 - 130	30	
Ethylbenzene	ND	0.001	105	107	1.9	110	103	6.6	70 - 130	30	
Hexachlorobutadiene	ND	0.005	111	109	1.8	109	98	10.6	70 - 130	30	
Isopropylbenzene	ND	0.001	104	105	1.0	109	99	9.6	70 - 130	30	
m&p-Xylene	ND	0.002	104	106	1.9	107	101	5.8	70 - 130	30	
Methyl ethyl ketone	ND	0.005	105	105	0.0	126	119	5.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	0.001	117	118	0.9	130	125	3.9	70 - 130	30	
Methylene chloride	ND	0.005	128	132	3.1	142	135	5.1	70 - 130	30	l,m
Naphthalene	ND	0.005	107	111	3.7	117	104	11.8	70 - 130	30	
n-Butylbenzene	ND	0.001	109	106	2.8	103	96	7.0	70 - 130	30	
n-Propylbenzene	ND	0.001	103	102	1.0	104	95	9.0	70 - 130	30	
o-Xylene	ND	0.002	104	107	2.8	110	104	5.6	70 - 130	30	
p-Isopropyltoluene	ND	0.001	110	107	2.8	109	100	8.6	70 - 130	30	
sec-Butylbenzene	ND	0.001	110	108	1.8	112	103	8.4	70 - 130	30	
Styrene	ND	0.005	106	108	1.9	110	102	7.5	70 - 130	30	
tert-Butylbenzene	ND	0.001	104	107	2.8	109	99	9.6	70 - 130	30	
Tetrachloroethene	ND	0.005	111	112	0.9	115	108	6.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	0.005	109	109	0.0	128	125	2.4	70 - 130	30	
Toluene	ND	0.001	109	111	1.8	115	109	5.4	70 - 130	30	
trans-1,2-Dichloroethene	ND	0.005	110	114	3.6	119	112	6.1	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.005	109	112	2.7	115	111	3.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	0.005	109	111	1.8	109	104	4.7	70 - 130	30	
Trichloroethene	ND	0.005	110	113	2.7	118	109	7.9	70 - 130	30	
Trichlorofluoromethane	ND	0.005	111	108	2.7	117	110	6.2	70 - 130	30	
Trichlorotrifluoroethane	ND	0.005	109	110	0.9	118	111	6.1	70 - 130	30	
Vinyl chloride	ND	0.005	106	107	0.9	113	105	7.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	%	100	102	2.0	104	102	1.9	70 - 130	30	
% Bromofluorobenzene	97	%	100	100	0.0	100	103	3.0	70 - 130	30	
% Dibromofluoromethane	99	%	101	104	2.9	104	105	1.0	70 - 130	30	
% Toluene-d8	98	%	101	101	0.0	102	103	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
May 23, 2016

Sample Criteria Exceedences Report

GBN31619 - HYDROBRO

Criteria: NY: 375, 375NR, GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN31619	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	8.9	2.0	3.3	3.3	ug/Kg
BN31621	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	95	21	3.3	3.3	ug/Kg
BN31621	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.0	2.1	3.3	3.3	ug/Kg
BN31622	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	150	10	3.3	3.3	ug/Kg
BN31622	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.5	2.0	3.3	3.3	ug/Kg
BN31623	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	170	32	50	50	ug/Kg
BN31623	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	21	2.0	3.3	3.3	ug/Kg
BN31623	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.0	2.0	3.3	3.3	ug/Kg
BN31628	$8260SMRNY	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	120	26	50	50	ug/Kg
BN31628	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	6.3	2.0	3.3	3.3	ug/Kg
BN31629	$PCB_SMR	PCB-1248	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	650	74	100	100	ug/Kg
BN31629	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	23	3.3	3.3	ug/Kg
BN31629	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	58	2.2	3.3	3.3	ug/Kg
BN31629	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	6.7	5	5	ug/Kg
BN31629	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.4	5	5	ug/Kg
BN31629	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	14.6	0.7	13	13	mg/Kg
BN31629	BA-SM	Barium	NY / 375-6.8 Metals / Commercial	710	0.35	400	400	mg/Kg
BN31629	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	710	0.35	350	350	mg/Kg
BN31629	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	120	3.5	50	50	mg/kg
BN31629	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.78	0.03	0.18	0.18	mg/Kg
BN31629	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	922	3.5	63	63	mg/Kg
BN31629	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	570	3.5	109	109	mg/Kg
BN31630	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	63	2.1	3.3	3.3	ug/Kg
BN31630	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	29	2.1	3.3	3.3	ug/Kg
BN31630	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	15	2.1	3.3	3.3	ug/Kg
BN31630	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	65.0	0.37	50	50	mg/kg
BN31630	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.35	0.03	0.18	0.18	mg/Kg
BN31630	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	147	3.7	109	109	mg/Kg
BN31631	$PCB_SMR	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	73	100	100	ug/Kg
BN31631	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.7	2.2	3.3	3.3	ug/Kg
BN31631	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.1	0.33	30		mg/Kg
BN31631	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	142	3.3	63	63	mg/Kg
BN31631	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	31.1	0.33	30	30	mg/kg
BN31631	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	148	3.3	109	109	mg/Kg

Sample Criteria Exceedences Report

GBN31619 - HYDROBRO

Criteria: NY: 375, 375NR, GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

May 23, 2016 SDG I.D.: GBN31619

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

ICP Metals Narration

ARCOS 05/18/16 08:15: BN31628, DUP31628

The following ICP Interference Check (ICSAB) compounds did not meet criteria:
ICSAB 05/18/16 15:22: Potassium 123% (80-120)

Additional CCV criteria:
Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115%.

PEST Narration

AU-ECD13 05/16/16-1: BN31619, BN31620, BN31621, BN31622, BN31623

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: BN31619, BN31620, BN31621, BN31622, BN31623
Preceding CC 516B053 - 4,4'-DDD 19%H (15%), Dieldrin 19%H (15%)
Succeeding CC 516B067 - 4,4'-DDD 19%H (15%), a-BHC 16%H (15%), Dieldrin 19%H (15%), g-BHC 16%H (15%), Heptachlor epoxide 16%H (15%)

AU-ECD4 05/13/16-1: BN31625

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: BN31625
Preceding CC 513A031 - % DCBP 37%L (15%), Dieldrin 16%L (15%), Endosulfan II 22%L (15%), Endosulfan sulfate 20%L (15%), Endrin aldehyde 19%L (15%), Endrin Ketone 18%L (15%)
Succeeding CC 513A045 - % TCMX 80%H (15%), 4,4'-DDD 74%H (15%), 4,4'-DDE 55%H (15%), 4,4'-DDT 52%H (15%), a-BHC 74%H (15%), a-Chlordane 51%H (15%), Aldrin 38%H (15%), b-BHC 79%H (15%), d-BHC 51%H (15%), Dieldrin 42%H (15%), Endosulfan I 61%H (15%), Endosulfan II 24%H (15%), Endosulfan sulfate 19%H (15%), Endrin 38%H (15%), Endrin aldehyde 28%H (15%), Endrin Ketone 24%H (15%), g-BHC 47%H (15%), g-Chlordane 56%H (15%), Heptachlor 41%H (15%), Heptachlor epoxide 57%H (15%), Methoxychlor 55%H (15%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM06 05/12/16-1: BN31619, BN31620, BN31621, BN31622, BN31623, BN31624, BN31625

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 23% (20%), Pentachlorophenol 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Benzidine 38%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM19 05/13/16-1: BN31626, BN31627, BN31628, BN31629, BN31630, BN31631, BN31632

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

Analysis Comments

May 23, 2016 SDG I.D.: GBN31619

The following Initial Calibration compounds did not meet RSD% criteria: 2,4-Dinitrophenol 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.095 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Benzidine 69%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzidine 69%H (40%)
The following Continuing Calibration compounds did not meet recommended response factors: Hexachlorobenzene 0.094 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

VOA Narration

CHEM14 05/14/16-2: BN31620, BN31623, BN31624, BN31625, BN31626, BN31627, BN31628, BN31630, BN31632, BN31814, BN31815

The following Initial Calibration compounds did not meet RSD% criteria: Bromoform 22% (20%), Dichlorodifluoromethane 23% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM18 05/14/16-2: BN31619, BN31621

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 33% (20%), Methylene chloride 26% (20%), Naphthalene 21% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Bromoform 0.089 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM26 05/16/16-1: BN31622, BN31629, BN31631

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 24% (20%), Methylene chloride 27% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

May 23, 2016

SDG I.D.: GBN31619

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 [X] No [ ]

Temp 4 °C Pg 1 of 2

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: AJinfante@hydrotechenvironmental.com

Customer: Hydro Tech Environmental, Corp.
Address: 15 Ocean Avenue, Ste. 2B
Brooklyn, New York 11225

Project: 160117
Report to: AJ Infante
Invoice to: Muslima Ward

Project P.O: 8360

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/9/16

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 via 8260	SVOCs via 8270	Pesticides via 8081	PCBs via 8082	TAL Metals 6010/7471	Hex. chrom. & tri. chrome	Soil VOA Vials [1] methanol [2] 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
31619	SP-5 (11-13')	S	5/9/16	12:00	X	X	X	X	X	X		3	2							
31620	SP-5 (19-21')	S	5/9/16	12:15	X	X	X	X	X	X		3	2							
31621	SP-3 (11-13')	S	5/9/16	13:30	X	X	X	X	X	X		3	2							
31622	SP-3 (19-21')	S	5/9/16	13:45	X	X	X	X	X	X		3	2							
31623	SP-7 (11-13')	S	5/10/16	09:00	X	X	X	X	X	X		3	2							
31624	SP-7 (19-21')	S	5/10/16	09:15	X	X	X	X	X	X		3	2							
31625	SP-2 (11-13')	S	5/10/16	10:45	X	X	X	X	X	X		3	2							
31626	SP-2 (19-21')	S	5/10/16	11:00	X	X	X	X	X	X		3	2							
31627	SP-1 (11-13')	S	5/10/16	11:30	X	X	X	X	X	X		3	2							
31628	SP-1 (19-21')	S	5/10/16	11:45	X	X	X	X	X	X		3	2							
31629	SP-8 (0-2')	S	5/11/16	11:00	X	X	X	X	X	X		3	2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-12-16	12:15
[signature]	[signature]	5-12-16	18:00

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
- [ ] NY375 Residential Soil
- [ ] Restricted/Residential
- [X] Commercial
- [ ] Industrial

Data Format
- [X] Phoenix Std Report
- [X] 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 [✓] No [ ]
Coolant: IPK [ ] ICE [✓] No [ ]
Temp 4 °C Pg 2 of 2

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: AInfante@hydrotechenvironmental.com

Customer: Hydro Tech Environmental. Corp.
Address: 15 Ocean Avenue, Ste. 2B
Brooklyn, New York 11225

Project: 160117
Report to: AJ Infante
Invoice to: Muslima Ward

Project P.O: 8360

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/9/16

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 via 8260	SVOCs via 8270	Pesticides via 8081	PCBs via 8082	TAL Metals 6010/7471	Hex. chrom. - tri. chrome	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
31630	SP-8 (19-21')	S	5/11/16	11:15	X	X	X	X	X	X		3	2							
31631	SP-4 (0-2')	S	5/11/16	12:00	X	X	X	X	X	X		3	2							
31632	SP-4 (19-21')	S	5/11/16	12:15	X	X	X	X	X	X		3	2							
* 31814	TB LL																			
31815	TB HL																			

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-12-16	12:15
[signature]	[signature]	5-12-16	18:00

Comments, Special Requirements or Regulations:

* Rcvd TB (TF)

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
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[X] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[X] 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

APPENDIX G

Laboratory Data Deliverables for Groundwater Analytical Data

PHOENIX
Environmental Laboratories, Inc.

Monday, May 23, 2016

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

Project ID: 160117
Sample ID#s: BN31640, BN31642 - BN31643

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

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

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

May 23, 2016

SDG I.D.: GBN31640

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.

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.

8081 Pesticides:
Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.
Sample BN31640 was received past hold time for Chromium, Hexavalent (SM3500CRB/SW7196).
Sample BN31642 was received past hold time for Chromium, Hexavalent (SM3500CRB/SW7196).
Sample BN31643 was received past hold time for Chromium, Hexavalent (SM3500CRB/SW7196).

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/11/16	14:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31640
Phoenix ID: BN31640

Project ID: 160117
Client ID: MW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	21.3	0.010		mg/L	1	05/14/16	LK	SW6010C
Aluminum (Dissolved)	0.055	0.011		mg/L	1	05/13/16	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	05/13/16	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	05/14/16	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	05/14/16	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	05/13/16	LK	SW6010C
Barium	0.261	0.002		mg/L	1	05/14/16	LK	SW6010C
Barium (Dissolved)	0.059	0.002		mg/L	1	05/13/16	LK	SW6010C
Beryllium	0.002	0.001		mg/L	1	05/14/16	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Calcium	38.1	0.010		mg/L	1	05/14/16	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	05/17/16	LK	SW6010C
Calcium (Dissolved)	35.1	0.01		mg/L	1	05/13/16	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Chromium	0.063	0.001		mg/L	1	05/14/16	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Cobalt	0.015	0.002		mg/L	1	05/14/16	LK	SW6010C
Copper	0.077	0.005		mg/L	1	05/14/16	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	05/13/16	LK	SW6010C
Iron (Dissolved)	0.017	0.011		mg/L	1	05/13/16	LK	SW6010C
Iron	27.5	0.010		mg/L	1	05/14/16	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Lead	0.050	0.002		mg/L	1	05/14/16	LK	SW6010C
Magnesium (Dissolved)	3.93	0.01		mg/L	1	05/13/16	LK	SW6010C
Manganese (Dissolved)	0.249	0.001		mg/L	1	05/13/16	LK	SW6010C
Magnesium	8.08	0.010		mg/L	1	05/14/16	LK	SW6010C
Manganese	2.66	0.010		mg/L	10	05/17/16	LK	SW6010C

Project ID: 160117
Client ID: MW-1

Phoenix I.D.: BN31640

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	05/13/16	MA/RS	SW7470A
Mercury	< 0.0002	0.0002		mg/L	1	05/13/16	RS	SW7470A
Nickel (Dissolved)	0.007	0.001		mg/L	1	05/13/16	LK	SW6010C
Nickel	0.055	0.001		mg/L	1	05/14/16	LK	SW6010C
Potassium (Dissolved)	7.5	0.1		mg/L	1	05/13/16	LK	SW6010C
Potassium	15.3	0.1		mg/L	1	05/17/16	LK	SW6010C
Selenium (Dissolved)	< 0.01	0.01		mg/L	1	05/13/16	TH/RS	E200.7-10
Selenium	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Silver	0.002	0.001		mg/L	1	05/14/16	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Sodium (Dissolved)	156	1.1		mg/L	10	05/14/16	LK	SW6010C
Sodium	141	1.0		mg/L	10	05/17/16	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	05/13/16	RS/TH	SW7010
Thallium	< 0.0005	0.0005		mg/L	1	05/16/16	MA	SM3113B/SW7010-1
Trivalent Chromium	0.063	0.001		mg/L	1			SW6010C
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Vanadium	0.035	0.002		mg/L	1	05/14/16	LK	SW6010C
Zinc (Dissolved)	0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Zinc	0.068	0.002		mg/L	1	05/14/16	LK	SW6010C
Chromium, Hexavalent	< 0.05	0.05		mg/L	1	05/12/16 19:30	O	SM3500CRB/SW7196
Filtration	Completed					05/12/16	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					05/13/16	I/W	SW7470A
Mercury Digestion	Completed					05/13/16	I/W	SW7470A
PCB Extraction (2 Liter)	Completed					05/12/16	LZ	SW3510C
Extraction for Pest (2 Liter)	Completed					05/12/16	LZ	SW3510C
Semi-Volatile Extraction	Completed					05/13/16	P/UU	SW3520C
Dissolved Metals Preparation	Completed					05/12/16	AG	SW3005A
Total Metals Digestion	Completed					05/13/16	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	60			%	1	05/13/16	AW	30 - 150 %
% TCMX	59			%	1	05/13/16	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDE	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDT	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
a-BHC	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
Alachlor	ND	0.075		ug/L	1	05/14/16	CE	SW8081B 1
Aldrin	ND	0.002		ug/L	1	05/14/16	CE	SW8081B

Project ID: 160117
Client ID: MW-1

Phoenix I.D.: BN31640

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
b-BHC	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Chlordane	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
d-BHC	ND	0.025		ug/L	1	05/14/16	CE	SW8081B	
Dieldrin	ND	0.002		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan II	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Endrin Aldehyde	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Methoxychlor	ND	0.10		ug/L	1	05/14/16	CE	SW8081B	
Toxaphene	ND	0.20		ug/L	1	05/14/16	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	68			%	1	05/14/16	CE	30 - 150 %	
%TCMX (Surrogate Rec)	67			%	1	05/14/16	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Acetone	ND	25		ug/L	1	05/13/16	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	05/13/16	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	

Project ID: 160117
Client ID: MW-1

Phoenix I.D.: BN31640

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromochloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Bromoform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrachloroethene	1.3	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	05/13/16	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	100			%	1	05/13/16	MH	70 - 130 %	
% Bromofluorobenzene	97			%	1	05/13/16	MH	70 - 130 %	
% Dibromofluoromethane	94			%	1	05/13/16	MH	70 - 130 %	
% Toluene-d8	99			%	1	05/13/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D

Project ID: 160117
Client ID: MW-1

Phoenix I.D.: BN31640

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	05/18/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Aniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	05/18/16	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Phenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	1	05/18/16	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	1	05/18/16	DD	30 - 130 %
% 2-Fluorophenol	60			%	1	05/18/16	DD	15 - 110 %

Project ID: 160117
Client ID: MW-1

Phoenix I.D.: BN31640

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	88			%	1	05/18/16	DD	30 - 130 %
% Phenol-d5	61			%	1	05/18/16	DD	15 - 110 %
% Terphenyl-d14	118			%	1	05/18/16	DD	30 - 130 %
Semivolatiles (SIM)								
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Chrysene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluoranthene	0.04	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluorene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80		ug/L	1	05/17/16	DD	SW8270D (SIM)
Phenanthrene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyrene	0.02	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyridine	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	1	05/17/16	DD	15 - 110 %
% 2-Fluorobiphenyl	79			%	1	05/17/16	DD	30 - 130 %
% 2-Fluorophenol	60			%	1	05/17/16	DD	15 - 110 %
% Nitrobenzene-d5	88			%	1	05/17/16	DD	30 - 130 %
% Phenol-d5	61			%	1	05/17/16	DD	15 - 110 %
% Terphenyl-d14	118			%	1	05/17/16	DD	30 - 130 %

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

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit1
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
May 23, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/09/16	12:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31640
Phoenix ID: BN31642

Project ID: 160117
Client ID: FIELD BLANK-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011		mg/L	1	05/13/16	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	05/13/16	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	05/14/16	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	05/14/16	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	05/13/16	LK	SW6010C
Barium	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Barium (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Calcium	0.041	0.010		mg/L	1	05/14/16	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	05/17/16	LK	SW6010C
Calcium (Dissolved)	0.03	0.01		mg/L	1	05/13/16	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Chromium	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Cobalt	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Copper	0.005	0.005		mg/L	1	05/14/16	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	05/13/16	LK	SW6010C
Iron (Dissolved)	< 0.011	0.011		mg/L	1	05/13/16	LK	SW6010C
Iron	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Lead	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Magnesium (Dissolved)	< 0.01	0.01		mg/L	1	05/13/16	LK	SW6010C
Manganese (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Magnesium	0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Manganese	0.003	0.001		mg/L	1	05/17/16	LK	SW6010C

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Phoenix I.D.: BN31642

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	05/13/16	MA/RS	SW7470A
Mercury	< 0.0002	0.0002		mg/L	1	05/16/16	MA	SW7470A
Nickel (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Nickel	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Potassium (Dissolved)	< 0.1	0.1		mg/L	1	05/13/16	LK	SW6010C
Potassium	< 0.1	0.1		mg/L	1	05/17/16	LK	SW6010C
Selenium (Dissolved)	< 0.01	0.01		mg/L	1	05/13/16	TH/RS	E200.7-10
Selenium	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Silver	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Sodium (Dissolved)	0.15	0.11		mg/L	1	05/13/16	LK	SW6010C
Sodium	< 0.1	0.1		mg/L	1	05/17/16	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	05/13/16	RS/TH	SW7010
Thallium	< 0.0005	0.0005		mg/L	1	05/18/16	TH/MA	SM3113B/SW7010-1
Trivalent Chromium	< 0.001	0.001		mg/L	1			SW6010C
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Vanadium	0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Zinc (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Zinc	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	05/12/16 19:30	O	SM3500CRB/SW7196
Filtration	Completed					05/12/16	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					05/13/16	I/W	SW7470A
Mercury Digestion	Completed					05/16/16	W/W	SW7470A
PCB Extraction (2 Liter)	Completed					05/12/16	LZ	SW3510C
Extraction for Pest (2 Liter)	Completed					05/12/16	LZ	SW3510C
Semi-Volatile Extraction	Completed					05/13/16	P/UU	SW3520C
Dissolved Metals Preparation	Completed					05/12/16	AG	SW3005A
Total Metals Digestion	Completed					05/13/16	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1221	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1232	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1242	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1248	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1254	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1260	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1262	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1268	ND	0.071	0.071	ug/L	1	05/13/16	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	54			%	1	05/13/16	AW	30 - 150 %
% TCMX	57			%	1	05/13/16	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.007		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDE	ND	0.007		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDT	ND	0.007		ug/L	1	05/14/16	CE	SW8081B
a-BHC	ND	0.007		ug/L	1	05/14/16	CE	SW8081B
Alachlor	ND	0.11		ug/L	1	05/14/16	CE	SW8081B 1
Aldrin	ND	0.002		ug/L	1	05/14/16	CE	SW8081B

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Client ID: FIELD BLANK-1

Phoenix I.D.: BN31642

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
b-BHC	ND	0.007		ug/L	1	05/14/16	CE	SW8081B	
Chlordane	ND	0.05		ug/L	1	05/14/16	CE	SW8081B	
d-BHC	ND	0.036		ug/L	1	05/14/16	CE	SW8081B	
Dieldrin	ND	0.002		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan I	ND	0.071		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan II	ND	0.071		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan Sulfate	ND	0.071		ug/L	1	05/14/16	CE	SW8081B	
Endrin	ND	0.007		ug/L	1	05/14/16	CE	SW8081B	
Endrin Aldehyde	ND	0.071		ug/L	1	05/14/16	CE	SW8081B	
Endrin ketone	ND	0.071		ug/L	1	05/14/16	CE	SW8081B	
g-BHC (Lindane)	ND	0.036		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor	ND	0.007		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor epoxide	ND	0.007		ug/L	1	05/14/16	CE	SW8081B	
Methoxychlor	ND	0.14		ug/L	1	05/14/16	CE	SW8081B	
Toxaphene	ND	0.29		ug/L	1	05/14/16	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	62			%	1	05/14/16	CE	30 - 150 %	
%TCMX (Surrogate Rec)	66			%	1	05/14/16	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Acetone	ND	25		ug/L	1	05/13/16	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	05/13/16	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromochloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Bromoform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	05/13/16	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	05/13/16	MH	70 - 130 %	
% Bromofluorobenzene	96			%	1	05/13/16	MH	70 - 130 %	
% Dibromofluoromethane	96			%	1	05/13/16	MH	70 - 130 %	
% Toluene-d8	99			%	1	05/13/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
1,2-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
1,3-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D
1,4-Dichlorobenzene	ND	2.5		ug/L	1	05/18/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dichlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dimethylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrotoluene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2,6-Dinitrotoluene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Chloronaphthalene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Chlorophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
2-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
2-Nitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	1	05/18/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
3-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Chloroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
4-Nitroaniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
4-Nitrophenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
Acetophenone	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Aniline	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Benzidine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	05/18/16	DD	SW8270D
Benzyl butyl phthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Carbazole	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Dibenzofuran	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Diethyl phthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Dimethylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Di-n-butylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Di-n-octylphthalate	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Isophorone	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodimethylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.0		ug/L	1	05/18/16	DD	SW8270D
Phenol	ND	1.0		ug/L	1	05/18/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	1	05/18/16	DD	15 - 110 %
% 2-Fluorobiphenyl	68			%	1	05/18/16	DD	30 - 130 %
% 2-Fluorophenol	65			%	1	05/18/16	DD	15 - 110 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	75			%	1	05/18/16	DD	30 - 130 %
% Phenol-d5	66			%	1	05/18/16	DD	15 - 110 %
% Terphenyl-d14	111			%	1	05/18/16	DD	30 - 130 %
Semivolatiles (SIM)								
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.0		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Chrysene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluoranthene	ND	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluorene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachloroethane	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Naphthalene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Nitrobenzene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.80		ug/L	1	05/17/16	DD	SW8270D (SIM)
Phenanthrene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyridine	ND	0.50		ug/L	1	05/17/16	DD	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	1	05/17/16	DD	15 - 110 %
% 2-Fluorobiphenyl	68			%	1	05/17/16	DD	30 - 130 %
% 2-Fluorophenol	65			%	1	05/17/16	DD	15 - 110 %
% Nitrobenzene-d5	75			%	1	05/17/16	DD	30 - 130 %
% Phenol-d5	66			%	1	05/17/16	DD	15 - 110 %
% Terphenyl-d14	111			%	1	05/17/16	DD	30 - 130 %

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

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

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

May 23, 2016

Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		05/11/16	12:00
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8360				

Laboratory Data

SDG ID: GBN31640
Phoenix ID: BN31643

Project ID: 160117
Client ID: FIELD BLANK-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Aluminum	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011		mg/L	1	05/13/16	LK	SW6010C
Antimony (Dissolved)	< 0.003	0.003		mg/L	1	05/13/16	LK	SW6010C
Antimony	< 0.003	0.003		mg/L	1	05/14/16	LK	SW6010C
Arsenic	< 0.004	0.004		mg/L	1	05/14/16	LK	SW6010C
Arsenic (Dissolved)	< 0.004	0.004		mg/L	1	05/13/16	LK	SW6010C
Barium	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Barium (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Beryllium	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Calcium	0.055	0.010		mg/L	1	05/14/16	LK	SW6010C
Cadmium	< 0.001	0.001		mg/L	1	05/17/16	LK	SW6010C
Calcium (Dissolved)	0.06	0.01		mg/L	1	05/13/16	LK	SW6010C
Cadmium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Chromium	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Chromium (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Cobalt	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Copper	< 0.005	0.005		mg/L	1	05/14/16	LK	SW6010C
Cobalt (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Copper (Dissolved)	< 0.005	0.005		mg/L	1	05/13/16	LK	SW6010C
Iron (Dissolved)	< 0.011	0.011		mg/L	1	05/13/16	LK	SW6010C
Iron	0.012	0.010		mg/L	1	05/14/16	LK	SW6010C
Lead (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Lead	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Magnesium (Dissolved)	< 0.01	0.01		mg/L	1	05/13/16	LK	SW6010C
Manganese (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Magnesium	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Manganese	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C

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Phoenix I.D.: BN31643

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	1	05/13/16	MA/RS	SW7470A
Mercury	< 0.0002	0.0002		mg/L	1	05/13/16	RS	SW7470A
Nickel (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Nickel	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Potassium (Dissolved)	< 0.1	0.1		mg/L	1	05/13/16	LK	SW6010C
Potassium	< 0.1	0.1		mg/L	1	05/17/16	LK	SW6010C
Selenium (Dissolved)	< 0.01	0.01		mg/L	1	05/13/16	TH/RS	E200.7-10
Selenium	< 0.010	0.010		mg/L	1	05/14/16	LK	SW6010C
Silver	< 0.001	0.001		mg/L	1	05/14/16	LK	SW6010C
Silver (Dissolved)	< 0.001	0.001		mg/L	1	05/13/16	LK	SW6010C
Sodium (Dissolved)	0.13	0.11		mg/L	1	05/13/16	LK	SW6010C
Sodium	< 0.1	0.1		mg/L	1	05/17/16	LK	SW6010C
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	1	05/13/16	RS/TH	SW7010
Thallium	< 0.0005	0.0005		mg/L	1	05/18/16	TH/MA	SM3113B/SW7010-1
Trivalent Chromium	< 0.001	0.001		mg/L	1			SW6010C
Vanadium (Dissolved)	< 0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Vanadium	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Zinc (Dissolved)	0.002	0.002		mg/L	1	05/13/16	LK	SW6010C
Zinc	< 0.002	0.002		mg/L	1	05/14/16	LK	SW6010C
Chromium, Hexavalent	< 0.01	0.01		mg/L	1	05/12/16 19:30	O	SM3500CRB/SW7196
Filtration	Completed					05/12/16	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					05/13/16	I/W	SW7470A
Mercury Digestion	Completed					05/13/16	I/W	SW7470A
PCB Extraction (2 Liter)	Completed					05/12/16	LZ	SW3510C
Extraction for Pest (2 Liter)	Completed					05/12/16	LZ	SW3510C
Semi-Volatile Extraction	Completed					05/13/16	P/UU	SW3520C
Dissolved Metals Preparation	Completed					05/12/16	AG	SW3005A
Total Metals Digestion	Completed					05/13/16	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	05/13/16	AW	E608/SW8082A
QA/QC Surrogates								
% DCBP	68			%	1	05/13/16	AW	30 - 150 %
% TCMX	68			%	1	05/13/16	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDE	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
4,4' -DDT	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
a-BHC	ND	0.005		ug/L	1	05/14/16	CE	SW8081B
Alachlor	ND	0.075		ug/L	1	05/14/16	CE	SW8081B 1
Aldrin	ND	0.010		ug/L	1	05/14/16	CE	SW8081B

Project ID: 160117
Client ID: FIELD BLANK-2

Phoenix I.D.: BN31643

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
b-BHC	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Chlordane	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
d-BHC	ND	0.025		ug/L	1	05/14/16	CE	SW8081B	
Dieldrin	ND	0.002		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan I	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan II	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endosulfan Sulfate	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endrin	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Endrin Aldehyde	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
Endrin ketone	ND	0.050		ug/L	1	05/14/16	CE	SW8081B	
g-BHC (Lindane)	ND	0.025		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Heptachlor epoxide	ND	0.005		ug/L	1	05/14/16	CE	SW8081B	
Methoxychlor	ND	0.10		ug/L	1	05/14/16	CE	SW8081B	
Toxaphene	ND	0.20		ug/L	1	05/14/16	CE	SW8081B	
QA/QC Surrogates									
%DCBP (Surrogate Rec)	69			%	1	05/14/16	CE	30 - 150 %	
%TCMX (Surrogate Rec)	78			%	1	05/14/16	CE	30 - 150 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,1-Dichloropropene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dibromoethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloroethane	ND	0.60		ug/L	1	05/13/16	MH	SW8260C	
1,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
2-Hexanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Acetone	ND	25		ug/L	1	05/13/16	MH	SW8260C	
Acrylonitrile	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Benzene	ND	0.70		ug/L	1	05/13/16	MH	SW8260C	
Bromobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromochloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromodichloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Bromoform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Bromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon Disulfide	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chlorobenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloroform	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Chloromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Dibromochloromethane	ND	0.50		ug/L	1	05/13/16	MH	SW8260C	
Dibromomethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Ethylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
Isopropylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
m&p-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl ethyl ketone	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Methylene chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Naphthalene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
n-Propylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
o-Xylene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Styrene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrachloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5		ug/L	1	05/13/16	MH	SW8260C	1
Toluene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Total Xylenes	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40		ug/L	1	05/13/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	1	05/13/16	MH	SW8260C	
Trichloroethene	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
Vinyl chloride	ND	1.0		ug/L	1	05/13/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	05/13/16	MH	70 - 130 %	
% Bromofluorobenzene	97			%	1	05/13/16	MH	70 - 130 %	
% Dibromofluoromethane	93			%	1	05/13/16	MH	70 - 130 %	
% Toluene-d8	100			%	1	05/13/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
1,2-Dichlorobenzene	ND	2.7		ug/L	1	05/18/16	DD	SW8270D

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
1,3-Dichlorobenzene	ND	2.7		ug/L	1	05/18/16	DD	SW8270D
1,4-Dichlorobenzene	ND	2.7		ug/L	1	05/18/16	DD	SW8270D
2,4,5-Trichlorophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2,4,6-Trichlorophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2,4-Dichlorophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2,4-Dimethylphenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2,4-Dinitrotoluene	ND	5		ug/L	1	05/18/16	DD	SW8270D
2,6-Dinitrotoluene	ND	5		ug/L	1	05/18/16	DD	SW8270D
2-Chloronaphthalene	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
2-Chlorophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
2-Methylphenol (o-cresol)	ND	1		ug/L	1	05/18/16	DD	SW8270D
2-Nitroaniline	ND	5		ug/L	1	05/18/16	DD	SW8270D
2-Nitrophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	11		ug/L	1	05/18/16	DD	SW8270D
3,3'-Dichlorobenzidine	ND	5		ug/L	1	05/18/16	DD	SW8270D
3-Nitroaniline	ND	5		ug/L	1	05/18/16	DD	SW8270D
4,6-Dinitro-2-methylphenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
4-Bromophenyl phenyl ether	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
4-Chloro-3-methylphenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
4-Chloroaniline	ND	5		ug/L	1	05/18/16	DD	SW8270D
4-Chlorophenyl phenyl ether	ND	1.1		ug/L	1	05/18/16	DD	SW8270D
4-Nitroaniline	ND	5		ug/L	1	05/18/16	DD	SW8270D
4-Nitrophenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
Acetophenone	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Aniline	ND	5		ug/L	1	05/18/16	DD	SW8270D
Benzidine	ND	5		ug/L	1	05/18/16	DD	SW8270D
Benzoic acid	ND	50		ug/L	1	05/18/16	DD	SW8270D
Benzyl butyl phthalate	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethoxy)methane	ND	5		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroethyl)ether	ND	1		ug/L	1	05/18/16	DD	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Carbazole	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Dibenzofuran	ND	5		ug/L	1	05/18/16	DD	SW8270D
Diethyl phthalate	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Dimethylphthalate	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Di-n-butylphthalate	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Di-n-octylphthalate	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Hexachlorocyclopentadiene	ND	5		ug/L	1	05/18/16	DD	SW8270D
Isophorone	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodimethylamine	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	5.3		ug/L	1	05/18/16	DD	SW8270D
Phenol	ND	1		ug/L	1	05/18/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	1	05/18/16	DD	15 - 110 %
% 2-Fluorobiphenyl	78			%	1	05/18/16	DD	30 - 130 %
% 2-Fluorophenol	76			%	1	05/18/16	DD	15 - 110 %

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Client ID: FIELD BLANK-2

Phoenix I.D.: BN31643

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5	87			%	1	05/18/16	DD	30 - 130 %
% Phenol-d5	76			%	1	05/18/16	DD	15 - 110 %
% Terphenyl-d14	113			%	1	05/18/16	DD	30 - 130 %
Semivolatiles (SIM)								
1,2,4,5-Tetrachlorobenzene	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
2-Methylnaphthalene	ND	1.1		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Acenaphthylene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benz(a)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
Chrysene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluoranthene	ND	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Fluorene	ND	0.11		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobenzene	ND	0.04		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachlorobutadiene	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
Hexachloroethane	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Naphthalene	ND	0.11		ug/L	1	05/17/16	DD	SW8270D (SIM)
Nitrobenzene	ND	0.11		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachloronitrobenzene	ND	0.11		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pentachlorophenol	ND	0.85		ug/L	1	05/17/16	DD	SW8270D (SIM)
Phenanthrene	ND	0.05		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyrene	ND	0.02		ug/L	1	05/17/16	DD	SW8270D (SIM)
Pyridine	ND	0.53		ug/L	1	05/17/16	DD	SW8270D (SIM)
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	1	05/17/16	DD	15 - 110 %
% 2-Fluorobiphenyl	78			%	1	05/17/16	DD	30 - 130 %
% 2-Fluorophenol	76			%	1	05/17/16	DD	15 - 110 %
% Nitrobenzene-d5	87			%	1	05/17/16	DD	30 - 130 %
% Phenol-d5	76			%	1	05/17/16	DD	15 - 110 %
% Terphenyl-d14	113			%	1	05/17/16	DD	30 - 130 %

Project ID: 160117

Client ID: FIELD BLANK-2

Phoenix I.D.: BN31643

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

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

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

May 23, 2016

Reviewed and Released by: Ethan Lee, Project Manager

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

May 23, 2016

QA/QC Data

SDG I.D.: GBN31640

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 345084 (mg/L), QC Sample No: BN21155 (BN31640, BN31642, BN31643)													
Thallium (Dissolved)	BRL	0.002	<0.001	<0.002	NC	119			97.5			75 - 125	20
QA/QC Batch 345275 (mg/L), QC Sample No: BN30169 (BN31640, BN31642, BN31643)													
ICP Metals - Dissolved													
Aluminum	BRL	0.011	<0.011	<0.011	NC	82.6			86.8			75 - 125	20
Antimony	BRL	0.005	<0.005	<0.005	NC	88.5			88.8			75 - 125	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	83.4			86.6			75 - 125	20
Barium	BRL	0.002	0.008	0.008	NC	90.3			91.3			75 - 125	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	87.9			90.6			75 - 125	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	88.1			90.2			75 - 125	20
Calcium	BRL	0.01	3.31	3.21	3.10	86.5			91.4			75 - 125	20
Chromium	BRL	0.001	<0.001	<0.001	NC	87.9			89.5			75 - 125	20
Cobalt	BRL	0.001	<0.001	<0.001	NC	90.5			92.3			75 - 125	20
Copper	BRL	0.005	<0.005	0.014	NC	88.1			90.8			75 - 125	20
Iron	BRL	0.011	<0.011	<0.011	NC	90.1			91.7			75 - 125	20
Lead	BRL	0.002	<0.002	<0.002	NC	87.0			88.8			75 - 125	20
Magnesium	BRL	0.01	0.42	0.41	2.40	88.9			88.4			75 - 125	20
Manganese	BRL	0.001	0.002	0.002	NC	89.1			90.6			75 - 125	20
Nickel	BRL	0.001	<0.001	<0.001	NC	90.3			92.1			75 - 125	20
Potassium	BRL	0.1	1.2	1.2	0	90.1			97.2			75 - 125	20
Silver	BRL	0.001	<0.001	<0.001	NC	84.5			86.0			75 - 125	20
Sodium	BRL	0.11	47.4	46.7	1.50	96.0			NC			75 - 125	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	88.1			90.5			75 - 125	20
Zinc	BRL	0.002	<0.002	<0.002	NC	84.4			86.8			75 - 125	20
QA/QC Batch 345440 (mg/L), QC Sample No: BN30170 (BN31640, BN31642, BN31643)													
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0003	NC	91.5			91.4			70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 345441 (mg/L), QC Sample No: BN30887 (BN31640, BN31643)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	89.7			93.2			70 - 130	20
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 345415 (mg/L), QC Sample No: BN31395 (BN31640, BN31642, BN31643)													
Thallium - Water	BRL	0.001	<0.001	<0.001	NC	101			93.5			75 - 125	20
QA/QC Batch 345548 (mg/L), QC Sample No: BN31584 (BN31640, BN31642, BN31643)													
ICP Metals - Aqueous													
Aluminum	BRL	0.010	0.054	0.062	13.8	97.2			90.7			75 - 125	20
Antimony	BRL	0.005	<0.005	<0.005	NC	96.5			97.0			75 - 125	20
Arsenic	BRL	0.004	0.138	0.132	4.40	93.7			94.9			75 - 125	20
Barium	BRL	0.002	0.058	0.056	3.50	102			99.6			75 - 125	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	96.6			96.4			75 - 125	20

QA/QC Data

SDG I.D.: GBN31640

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Cadmium	BRL	0.001	<0.001	<0.001	NC	88.4			86.0			75 - 125	20	
Calcium	BRL	0.010	37.6	36.0	4.30	90.0			NC			75 - 125	20	
Chromium	BRL	0.001	<0.001	<0.001	NC	91.8			90.3			75 - 125	20	
Cobalt	BRL	0.002	0.011	0.011	0	92.5			90.5			75 - 125	20	
Copper	BRL	0.005	<0.005	<0.005	NC	103			103			75 - 125	20	
Iron	BRL	0.010	19.4	18.6	4.20	96.8			NC			75 - 125	20	
Lead	BRL	0.002	<0.002	<0.002	NC	90.5			87.8			75 - 125	20	
Magnesium	BRL	0.010	5.06	4.86	4.00	93.5			NC			75 - 125	20	
Manganese	BRL	0.001	1.07	1.03	3.80	95.9			91.1			75 - 125	20	
Nickel	BRL	0.001	0.008	0.007	13.3	95.9			92.4			75 - 125	20	
Potassium	BRL	0.1	10.7	10.4	2.80	101			123			75 - 125	20	
Selenium	BRL	0.010	<0.010	<0.010	NC	96.5			95.7			75 - 125	20	
Silver	BRL	0.001	<0.001	<0.001	NC	95.4			95.6			75 - 125	20	
Sodium	BRL	0.1	32.0	31.4	1.90	93.9			NC			75 - 125	20	
Vanadium	BRL	0.002	<0.002	<0.002	NC	94.1			94.4			75 - 125	20	
Zinc	BRL	0.002	<0.002	<0.002	NC	92.8			92.6			75 - 125	20	
QA/QC Batch 345654 (mg/L), QC Sample No: BN32378 (BN31642)														
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	91.3			91.2			70 - 130	20	
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.														
QA/QC Batch 345764 (mg/L), QC Sample No: BN32581 (BN31642, BN31643)														
Thallium - Water	BRL	0.001	<0.001	<0.001	NC	102			<30			75 - 125	20	m

m = This parameter is outside laboratory MS/MSD specified recovery limits.

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

NY # 11301

QA/QC Report

May 23, 2016

QA/QC Data

SDG I.D.: GBN31640

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 345418 (mg/L), QC Sample No: BN31503 (BN31640, BN31642, BN31643)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	101			109			70 - 130	20

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 23, 2016

QA/QC Data

SDG I.D.: GBN31640

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 345259 (ug/L), QC Sample No: BN30700 (BN31640, BN31642, BN31643)										
Polychlorinated Biphenyls - Ground Water										
PCB-1016	ND	0.050	64	78	19.7				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	80	87	8.4				40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	51	%	63	61	3.2				30 - 150	20
% TCMX (Surrogate Rec)	52	%	55	61	10.3				30 - 150	20

Comment:

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

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 345421 (ug/L), QC Sample No: BN31640 (BN31640, BN31642, BN31643)										
Pesticides - Ground Water										
4,4' -DDD	ND	0.003	99	98	1.0				40 - 140	20
4,4' -DDE	ND	0.003	93	92	1.1				40 - 140	20
4,4' -DDT	ND	0.003	105	100	4.9				40 - 140	20
a-BHC	ND	0.002	90	89	1.1				40 - 140	20
a-Chlordane	ND	0.005	95	93	2.1				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	69	75	8.3				40 - 140	20
b-BHC	ND	0.002	101	98	3.0				40 - 140	20
Chlordane	ND	0.050	91	89	2.2				40 - 140	20
d-BHC	ND	0.005	79	91	14.1				40 - 140	20
Dieldrin	ND	0.002	95	94	1.1				40 - 140	20
Endosulfan I	ND	0.005	99	97	2.0				40 - 140	20
Endosulfan II	ND	0.005	98	96	2.1				40 - 140	20
Endosulfan sulfate	ND	0.005	92	91	1.1				40 - 140	20
Endrin	ND	0.005	85	84	1.2				40 - 140	20
Endrin aldehyde	ND	0.005	92	91	1.1				40 - 140	20
Endrin ketone	ND	0.005	100	100	0.0				40 - 140	20
g-BHC	ND	0.002	94	92	2.2				40 - 140	20
g-Chlordane	ND	0.005	91	89	2.2				40 - 140	20
Heptachlor	ND	0.005	86	87	1.2				40 - 140	20
Heptachlor epoxide	ND	0.005	94	92	2.2				40 - 140	20
Methoxychlor	ND	0.005	94	93	1.1				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	76	%	92	79	15.2				30 - 150	20
% TCMX	77	%	100	102	2.0				30 - 150	20

QA/QC Data

SDG I.D.: GBN31640

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 345714 (ug/L), QC Sample No: BN31784 (BN31640, BN31642, BN31643)

Volatiles - Ground Water

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	1.0	111	112	0.9	98	107	8.8	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	103	104	1.0	104	108	3.8	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	110	111	0.9	100	104	3.9	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	107	108	0.9	97	100	3.0	70 - 130	30
1,1-Dichloroethane	ND	1.0	108	108	0.0	104	108	3.8	70 - 130	30
1,1-Dichloroethene	ND	1.0	106	109	2.8	107	114	6.3	70 - 130	30
1,1-Dichloropropene	ND	1.0	107	110	2.8	106	112	5.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	103	104	1.0	82	93	12.6	70 - 130	30
1,2,3-Trichloropropane	ND	1.0	106	107	0.9	97	100	3.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	110	110	0.0	86	97	12.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	105	107	1.9	94	101	7.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	109	108	0.9	91	95	4.3	70 - 130	30
1,2-Dibromoethane	ND	1.0	111	109	1.8	97	104	7.0	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	105	109	3.7	95	100	5.1	70 - 130	30
1,2-Dichloroethane	ND	1.0	107	109	1.9	100	102	2.0	70 - 130	30
1,2-Dichloropropane	ND	1.0	111	110	0.9	103	108	4.7	70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	105	107	1.9	95	100	5.1	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	107	107	0.0	93	100	7.3	70 - 130	30
1,3-Dichloropropane	ND	1.0	108	110	1.8	98	104	5.9	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	106	108	1.9	93	100	7.3	70 - 130	30
2,2-Dichloropropane	ND	1.0	113	114	0.9	77	80	3.8	70 - 130	30
2-Chlorotoluene	ND	1.0	108	109	0.9	97	104	7.0	70 - 130	30
2-Hexanone	ND	5.0	97	95	2.1	85	91	6.8	70 - 130	30
2-Isopropyltoluene	ND	1.0	105	107	1.9	96	103	7.0	70 - 130	30
4-Chlorotoluene	ND	1.0	104	106	1.9	93	99	6.3	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	101	100	1.0	94	94	0.0	70 - 130	30
Acetone	ND	5.0	82	81	1.2	94	92	2.2	70 - 130	30
Acrylonitrile	ND	5.0	114	108	5.4	101	102	1.0	70 - 130	30
Benzene	ND	0.70	109	111	1.8	105	110	4.7	70 - 130	30
Bromobenzene	ND	1.0	108	110	1.8	97	103	6.0	70 - 130	30
Bromochloromethane	ND	1.0	112	112	0.0	103	106	2.9	70 - 130	30
Bromodichloromethane	ND	0.50	110	112	1.8	100	105	4.9	70 - 130	30
Bromoform	ND	1.0	114	114	0.0	97	101	4.0	70 - 130	30
Bromomethane	ND	1.0	83	92	10.3	80	94	16.1	70 - 130	30
Carbon Disulfide	ND	1.0	107	110	2.8	102	109	6.6	70 - 130	30
Carbon tetrachloride	ND	1.0	102	106	3.8	104	109	4.7	70 - 130	30
Chlorobenzene	ND	1.0	109	110	0.9	99	106	6.8	70 - 130	30
Chloroethane	ND	1.0	107	110	2.8	108	113	4.5	70 - 130	30
Chloroform	ND	1.0	106	108	1.9	102	106	3.8	70 - 130	30
Chloromethane	ND	1.0	100	102	2.0	102	105	2.9	70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	106	108	1.9	100	105	4.9	70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	108	108	0.0	92	95	3.2	70 - 130	30
Dibromochloromethane	ND	0.50	112	114	1.8	98	105	6.9	70 - 130	30
Dibromomethane	ND	1.0	108	107	0.9	99	102	3.0	70 - 130	30
Dichlorodifluoromethane	ND	1.0	106	110	3.7	108	117	8.0	70 - 130	30
Ethylbenzene	ND	1.0	108	111	2.7	99	109	9.6	70 - 130	30
Hexachlorobutadiene	ND	0.40	106	107	0.9	84	96	13.3	70 - 130	30

QA/QC Data

SDG I.D.: GBN31640

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Isopropylbenzene	ND	1.0	103	106	2.9	96	103	7.0	70 - 130	30	
m&p-Xylene	ND	1.0	108	110	1.8	99	107	7.8	70 - 130	30	
Methyl ethyl ketone	ND	5.0	104	99	4.9	98	98	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	1.0	108	108	0.0	96	100	4.1	70 - 130	30	
Methylene chloride	ND	1.0	140	142	1.4	130	134	3.0	70 - 130	30	l,m
Naphthalene	ND	1.0	111	107	3.7	88	99	11.8	70 - 130	30	
n-Butylbenzene	ND	1.0	104	106	1.9	89	98	9.6	70 - 130	30	
n-Propylbenzene	ND	1.0	103	103	0.0	90	100	10.5	70 - 130	30	
o-Xylene	ND	1.0	107	110	2.8	98	106	7.8	70 - 130	30	
p-Isopropyltoluene	ND	1.0	107	108	0.9	94	102	8.2	70 - 130	30	
sec-Butylbenzene	ND	1.0	106	108	1.9	99	105	5.9	70 - 130	30	
Styrene	ND	1.0	110	111	0.9	98	105	6.9	70 - 130	30	
tert-Butylbenzene	ND	1.0	103	105	1.9	96	103	7.0	70 - 130	30	
Tetrachloroethene	ND	1.0	105	110	4.7	95	106	10.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	105	100	4.9	93	95	2.1	70 - 130	30	
Toluene	ND	1.0	107	109	1.9	102	108	5.7	70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	107	109	1.9	103	109	5.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	107	108	0.9	92	95	3.2	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	115	115	0.0	84	88	4.7	70 - 130	30	
Trichloroethene	ND	1.0	109	110	0.9	102	109	6.6	70 - 130	30	
Trichlorofluoromethane	ND	1.0	100	103	3.0	103	109	5.7	70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	103	106	2.9	96	108	11.8	70 - 130	30	
Vinyl chloride	ND	1.0	101	104	2.9	104	110	5.6	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	%	98	99	1.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	97	%	102	100	2.0	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	93	%	94	96	2.1	95	95	0.0	70 - 130	30	
% Toluene-d8	100	%	99	99	0.0	100	100	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 345533 (ug/L), QC Sample No: BN32373 (BN31640, BN31642, BN31643)

Semivolatiles (SIM) - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	0.50	70						30 - 130	20	
2-Methylnaphthalene	ND	0.02	95						30 - 130	20	
Acenaphthene	ND	0.02	92						30 - 130	20	
Acenaphthylene	ND	0.02	96						30 - 130	20	
Anthracene	ND	0.02	95						30 - 130	20	
Benz(a)anthracene	ND	0.02	88						30 - 130	20	
Benzo(a)pyrene	ND	0.02	87						30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	91						30 - 130	20	
Benzo(ghi)perylene	ND	0.02	92						30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	96						30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	0.10	140						30 - 130	20	l
Chrysene	ND	0.02	94						30 - 130	20	
Dibenz(a,h)anthracene	ND	0.01	87						30 - 130	20	
Fluoranthene	ND	0.02	88						30 - 130	20	
Fluorene	ND	0.02	85						30 - 130	20	
Hexachlorobenzene	ND	0.02	97						30 - 130	20	
Hexachlorobutadiene	ND	0.05	72						30 - 130	20	
Hexachloroethane	ND	0.05	74						30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	89						30 - 130	20	
Naphthalene	ND	0.02	84						30 - 130	20	
Nitrobenzene	ND	0.05	95						30 - 130	20	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pentachloronitrobenzene	ND	0.10	106						30 - 130	20
Pentachlorophenol	ND	0.20	91						30 - 130	20
Phenanthrene	ND	0.02	91						30 - 130	20
Pyrene	ND	0.02	92						30 - 130	20
Pyridine	ND	0.50	56						30 - 130	20
% 2,4,6-Tribromophenol	75	%	90						15 - 110	20
% 2-Fluorobiphenyl	77	%	80						30 - 130	20
% 2-Fluorophenol	67	%	65						15 - 110	20
% Nitrobenzene-d5	81	%	76						30 - 130	20
% Phenol-d5	66	%	65						15 - 110	20
% Terphenyl-d14	85	%	88						30 - 130	20

Comment:

LCSD not reported for scan run on this batch.

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 345533 (ug/L), QC Sample No: BN32373 (BN31640, BN31642, BN31643)

Semivolatiles - Ground Water

1,2,4-Trichlorobenzene	ND	3.5	81						30 - 130	20
1,2-Dichlorobenzene	ND	1.0	75						30 - 130	20
1,2-Diphenylhydrazine	ND	1.6	83						30 - 130	20
1,3-Dichlorobenzene	ND	1.0	75						30 - 130	20
1,4-Dichlorobenzene	ND	1.0	76						30 - 130	20
2,4,5-Trichlorophenol	ND	1.0	95						30 - 130	20
2,4,6-Trichlorophenol	ND	1.0	94						30 - 130	20
2,4-Dichlorophenol	ND	1.0	84						30 - 130	20
2,4-Dimethylphenol	ND	1.0	83						30 - 130	20
2,4-Dinitrophenol	ND	1.0	108						30 - 130	20
2,4-Dinitrotoluene	ND	3.5	99						30 - 130	20
2,6-Dinitrotoluene	ND	3.5	94						30 - 130	20
2-Chloronaphthalene	ND	3.5	86						30 - 130	20
2-Chlorophenol	ND	1.0	79						30 - 130	20
2-Methylphenol (o-cresol)	ND	1.0	82						30 - 130	20
2-Nitroaniline	ND	3.5	98						30 - 130	20
2-Nitrophenol	ND	1.0	80						30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	1.0	80						30 - 130	20
3,3'-Dichlorobenzidine	ND	5.0	50						30 - 130	20
3-Nitroaniline	ND	5.0	93						30 - 130	20
4,6-Dinitro-2-methylphenol	ND	1.0	106						30 - 130	20
4-Bromophenyl phenyl ether	ND	3.5	94						30 - 130	20
4-Chloro-3-methylphenol	ND	1.0	89						30 - 130	20
4-Chloroaniline	ND	3.5	82						30 - 130	20
4-Chlorophenyl phenyl ether	ND	1.0	93						30 - 130	20
4-Nitroaniline	ND	5.0	91						30 - 130	20
4-Nitrophenol	ND	1.0	97						15 - 130	20
Acetophenone	ND	3.5	77						30 - 130	20
Aniline	ND	3.5	68						30 - 130	20
Benzidine	ND	4.5	120						30 - 130	20
Benzoic acid	ND	10	57						30 - 130	20
Benzyl butyl phthalate	ND	1.5	91						30 - 130	20
Bis(2-chloroethoxy)methane	ND	3.5	83						30 - 130	20
Bis(2-chloroethyl)ether	ND	1.0	70						30 - 130	20
Bis(2-chloroisopropyl)ether	ND	1.0	63						30 - 130	20

QA/QC Data

SDG I.D.: GBN31640

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Carbazole	ND	5.0	90						30 - 130	20
Dibenzofuran	ND	3.5	89						30 - 130	20
Diethyl phthalate	ND	1.5	95						30 - 130	20
Dimethylphthalate	ND	1.5	94						30 - 130	20
Di-n-butylphthalate	ND	1.5	95						30 - 130	20
Di-n-octylphthalate	ND	1.5	97						30 - 130	20
Hexachlorocyclopentadiene	ND	3.5	58						30 - 130	20
Isophorone	ND	3.5	79						30 - 130	20
N-Nitrosodimethylamine	ND	1.0	67						30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.5	82						30 - 130	20
N-Nitrosodiphenylamine	ND	3.5	98						30 - 130	20
Phenol	ND	1.0	75						15 - 130	20
% 2,4,6-Tribromophenol	90	%	96						15 - 110	20
% 2-Fluorobiphenyl	70	%	83						30 - 130	20
% 2-Fluorophenol	60	%	68						15 - 110	20
% Nitrobenzene-d5	69	%	75						30 - 130	20
% Phenol-d5	53	%	69						15 - 110	20
% Terphenyl-d14	77	%	93						30 - 130	20

Comment:

LCSD not reported for scan run on this batch.

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%)

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
May 23, 2016

Sample Criteria Exceedences Report

GBN31640 - HYDROBRO

Criteria: NY: GW
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN31640	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN31640	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN31640	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN31640	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31640	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31640	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BN31640	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	21.3	0.010	0.1	0.1	mg/L
BN31640	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.063	0.001	0.05	0.05	mg/L
BN31640	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	156	1.1	20	20	mg/L
BN31640	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	27.5	0.010	0.3	0.3	mg/L
BN31640	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	2.66	0.010	0.3	0.3	mg/L
BN31640	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	141	1.0	20	20	mg/L
BN31640	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.050	0.002	0.025	0.025	mg/L
BN31642	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN31642	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN31642	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN31642	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31642	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31642	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.29	0.06	0.06	ug/L
BN31643	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BN31643	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BN31643	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

Sample Criteria Exceedences Report

GBN31640 - HYDROBRO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BN31643	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31643	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BN31643	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L

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

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

May 23, 2016 SDG I.D.: GBN31640

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

ICP Metals Narration

BLUE 05/14/16 06:48: BN31640, BN31642, BN31643

The following Continuing Calibration Verification (CCV) compounds did not meet criteria:
CCV 05/14/16 22:18: Lead 89% (90-110)

Additional CCV criteria:
Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115%.

PEST Narration

AU-ECD13 05/13/16-1: BN31640, BN31642, BN31643

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: BN31640, BN31642, BN31643
Preceding CC 513A082 - None.
Succeeding CC 513A097 - Endrin 16%L (15%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

SVOA Narration

CHEM12 05/18/16-1: BN31640, BN31642, BN31643

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.096 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Benzidine 49%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzidine 49%H (40%)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

SVOASIM Narration

CHEM04 05/17/16-1: BN31640, BN31642, BN31643

The following Initial Calibration compounds did not meet recommended response factors: Hexachloroethane 0.267 (0.3)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Hexachloroethane 0.257 (0.3)
The following Continuing Calibration compounds did not meet minimum response factors: None.

VOA Narration

CHEM17 05/13/16-1: BN31640, BN31642, BN31643

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

Analysis Comments

May 23, 2016 SDG I.D.: GBN31640

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 22% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.038 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 34%L (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.
The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.040 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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

NY Temperature Narration

May 23, 2016

SDG I.D.: GBN31640

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 [X] 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: AInfante@hydrotechenvironmental.com

Customer: Hydro Tech Environmental, Corp.
Address: 15 Ocean Avenue, Suite 2B
Brooklyn, New York 11225

Project: 160117
Report to: AJ Infante
Invoice to: Muslima Ward

Project P.O: 8360

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/11/16

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	Pesticides 8081	PCBs 8082	TAL Metals (filt. + unfiltered)	Hex. chrom. + tri-chrom.									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
31640	MW-1	GW	5/11/16	14:00	x	x	x	x	x	x											3	4	2		1				
(*) 31641	Tripblank-1	L	5/11/16		x																2								
* 31642	Fieldblank-1	L	5/9/16	12:00	x	x	x	x	x	x											3	4	2		1				
31643	Fieldblank-2	L	5/11/16	12:00	x	x	x	x	x	x											3	4	2		1				

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-12-16	12:15
[signature]	[signature]	5-12-16	18:00

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
[X] Excel
[ ] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

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

Comments, Special Requirements or Regulations:

Please filter metals at lab.
(*) Did not recieve TB VOAs (JF)
* Rcvd HNO3 1/4 full (JF) + missing 1 VOA

State where samples were collected: NY

Rcvd extra VOAs labeled FB1 + FB2 not on Chain (JF)

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4 °C Pg 1 of 1

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@hydrotechenvironmental.com

Customer: Hydro Tech Environmental, Corp.
Address: 16 Ocean Avenue, Suite 2B
Brooklyn, New York 11225

Project: 160117
Report to: AJ Infante
Invoice to: Muslima Ward

Project P.O: 8360

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 5/11/16

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	Pesticides 8081	PCBs 8082	TAL Metals (filt. unfiltered)	Hex. chrom. + tri-chrom.	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [X] HCl	GL Amber 1000ml [X] As is [ ] H_2SO_4	PL As is [X] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL HNO_3 250ml	PL NaOH 250ml	Bacteria Bottle
31640	MW-1	GW	5/11/16	14:00	x	x	x	x	x	x						3	4	2		1
(*) 31641	Tripblank-1	L	5/11/16		x											2				
* 31642	Fieldblank-1	L	5/9/16	12:00	x	x	x	x	x	x						3	4	2		1
31643	Fieldblank-2	L	5/11/16	12:00	x	x	x	x	x	x						3	4	2		1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-12-16	12:15
[signature]	[signature]	5-12-16	18:00

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
[X] 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

Comments, Special Requirements or Regulations: samples rec'd past hold for Hexcr emailed client 5-13-16 (SW)
Please filter metals at lab.
(*) Did not recieve TB voas (JF)
* Rcvd HNO3 1/4 full (TD) + missing 1 voa
(3) (2) TB-2 (1)
Rcvd extra voas labeled FB1 + FB2 not on Chain (JF) 5/11 @ 8:00

GBN 31640

Shannon - Phoenixlabs

From: Andrew Infante [AInfante@hydrotechenvironmental.com]
Sent: Friday, May 13, 2016 12:15 PM
To: Shannon - Phoenixlabs
Subject: RE: 160117

Hi Shannon,

Apologies: the voa vial labeled Trip blank-2 should be labeled Fieldblank-2 (this is the 3rd Fieldblank-2 voa vial). If the trip blank vials were not provided then please do not worry about this analysis. As for the hex. Chrom. Please still run the analytical but make a note of the holding time exceedance in the lab report.

Regards,

A.J. Infante | Project Geologist
Hydro Tech Environmental, Corp.
15 Ocean Avenue, Suite 2B, Brooklyn, NY 11225
Tel: (718) 636-0800 Fax: (718) 636-0900 Cell: (631) 457-0033
Email: ainfante@hydrotechenvironmental.com

From: Shannon - Phoenixlabs [mailto:shannon@phoenixlabs.com]
Sent: Friday, May 13, 2016 11:53 AM
To: Andrew Infante <AInfante@hydrotechenvironmental.com>
Subject: 160117
Importance: High

Good Morning,
Please see attached regarding samples received yesterday. We did not receive any voa vials labeled Trip blank-1. We received 1 voa vial labeled Trip blank-2, 3 voa vials labeled Field Blank-1 & 2 voa vials labeled Field blank-2. Also, all samples are past holding time for Hexavalent Chromium. Please let me know if you want to proceed with hexcr and how you want us to handle the voa vials. Thank you.

Shannon Wilhelm
Phoenix Environmental Labs

APPENDIX H

Laboratory Data Deliverables for Soil Vapor Analytical Data

PHOENIX
Environmental Laboratories, Inc.

Wednesday, May 18, 2016

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

Project ID: 160117
Sample ID#s: BN31633 - BN31639

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

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

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

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:30
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	487				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31633

Project ID: 160117
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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND		*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	ND	*1.00*	05/13/16	KCA	1	B
1,2,4-Trimethylbenzene	0.227		*0.204*	1.12	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND		*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND		*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	1.97	S	*0.421*	4.68	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND		*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND		*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND		*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-3

Phoenix I.D.: BN31633

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	0.059		*0.040*	0.37	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	0.628		*0.205*	3.06	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.482		*0.202*	2.38	*1.00*	05/13/16	KCA	1	
Ethanol	0.708	S	*0.531*	1.33	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	0.380	S	*0.284*	1.34	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	ND		*0.407*	ND	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	0.351		*0.339*	1.03	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	1.17	S	*0.288*	4.06	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	0.497		*0.037*	3.37	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	ND		*0.266*	ND	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	0.193		*0.047*	1.04	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.224		*0.178*	1.26	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	97		*%*	97	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-3

Phoenix I.D.: BN31633

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.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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
May 18, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:20
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	19969				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31634

Project ID: 160117
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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	05/13/16	KCA	1	B
1,2,4-Trimethylbenzene	0.725	*0.204*	3.56	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	0.290	*0.204*	1.42	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	0.167	*0.166*	1.00	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	11.5	*0.421*	27.3	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-1

Phoenix I.D.: BN31634

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	0.732		*0.321*	2.28	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	0.070		*0.040*	0.44	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	0.293		*0.205*	1.43	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.495		*0.202*	2.45	*1.00*	05/13/16	KCA	1	
Ethanol	1.96	S	*0.531*	3.69	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	ND		*0.284*	ND	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	1.24	S	*0.407*	3.05	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	1.65		*0.339*	4.86	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	0.695	S	*0.288*	2.41	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	0.369		*0.037*	2.50	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	ND		*0.266*	ND	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.216		*0.178*	1.21	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	98		*%*	98	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-1

Phoenix I.D.: BN31634

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.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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
May 18, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:40
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	496				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31635

Project ID: 160117
Client ID: OA-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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trimethylbenzene	0.208	*0.204*	1.02	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	4.53	*0.421*	10.8	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: OA-1

Phoenix I.D.: BN31635

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	0.072		*0.040*	0.45	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	05/13/16	KCA	1	
Chloromethane	0.601		*0.485*	1.24	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.483		*0.202*	2.39	*1.00*	05/13/16	KCA	1	
Ethanol	14.4		*0.531*	27.1	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	0.311	S	*0.284*	1.10	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	1.39	S	*0.407*	3.41	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	0.303		*0.230*	1.31	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	0.342		*0.339*	1.01	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	1.11	S	*0.288*	3.85	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	0.086		*0.037*	0.58	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	0.969		*0.266*	3.65	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.313		*0.178*	1.76	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	99		*%*	99	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: OA-1

Phoenix I.D.: BN31635

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 at RL/PQL
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

May 18, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:45
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	464				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31636

Project ID: 160117
Client ID: SV-5

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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND		*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND		*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND		*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND		*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND		*0.135*	ND	*1.00*	05/13/16	KCA	1	B
1,2,4-Trimethylbenzene	2.98		*0.204*	14.6	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND		*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND		*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND		*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	0.946		*0.204*	4.65	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND		*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND		*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	0.231		*0.204*	1.13	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	1.41	S	*0.421*	3.35	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND		*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	0.381		*0.313*	1.22	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND		*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-5

Phoenix I.D.: BN31636

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	0.393		*0.205*	1.92	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.537		*0.202*	2.65	*1.00*	05/13/16	KCA	1	
Ethanol	2.42	S	*0.531*	4.56	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	1.13		*0.230*	4.90	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	ND		*0.284*	ND	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	ND		*0.407*	ND	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	4.07		*0.230*	17.7	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	1.07	S	*0.288*	3.71	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	2.38		*0.230*	10.3	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	1.68		*0.037*	11.4	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	3.21		*0.266*	12.1	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.314		*0.178*	1.76	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	0.148		*0.131*	1.13	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	99		*%*	99	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-5

Phoenix I.D.: BN31636

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.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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
May 18, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:25
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	465				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31637

Project ID: 160117
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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	05/13/16	KCA	1	B
1,2,4-Trimethylbenzene	0.747	*0.204*	3.67	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	0.276	*0.204*	1.36	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	8.42	*0.421*	20.0	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-2

Phoenix I.D.: BN31637

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	0.057		*0.040*	0.36	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	0.726		*0.205*	3.54	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.483		*0.202*	2.39	*1.00*	05/13/16	KCA	1	
Ethanol	2.77	S	*0.531*	5.22	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	0.286	S	*0.284*	1.01	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	1.24	S	*0.407*	3.05	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	0.236		*0.230*	1.02	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	0.930		*0.339*	2.74	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	0.750	S	*0.288*	2.60	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	1.40		*0.037*	9.49	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	0.404		*0.339*	1.19	*1.00*	05/13/16	KCA	1	1
Toluene	ND		*0.266*	ND	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	0.099		*0.047*	0.53	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.226		*0.178*	1.27	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	98		*%*	98	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-2

Phoenix I.D.: BN31637

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.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
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
May 18, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:40
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	12856				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31638

Project ID: 160117
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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trimethylbenzene	6.64	*0.204*	32.6	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	2.93	*0.204*	14.4	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	1.06	*0.204*	5.21	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	0.306	*0.182*	1.68	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	6.07	*0.421*	14.4	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-4

Phoenix I.D.: BN31638

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	0.076		*0.040*	0.48	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	ND		*0.205*	ND	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.567		*0.202*	2.80	*1.00*	05/13/16	KCA	1	
Ethanol	12.2		*0.531*	23.0	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	0.275		*0.230*	1.19	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	ND		*0.284*	ND	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	2.07	S	*0.407*	5.09	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	0.332		*0.204*	1.63	*1.00*	05/13/16	KCA	1	
m,p-Xylene	1.53		*0.230*	6.64	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	0.415		*0.339*	1.22	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	0.314	S	*0.288*	1.09	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	0.410		*0.182*	2.25	*1.00*	05/13/16	KCA	1	1
o-Xylene	1.10		*0.230*	4.77	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	0.085		*0.037*	0.58	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	1.49		*0.266*	5.61	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.271		*0.178*	1.52	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	105		*%*	105	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: SV-4

Phoenix I.D.: BN31638

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 at RL/PQL
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

May 18, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 18, 2016

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

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	AJI	05/11/16	11:25
Location Code:	HYDROBRO	Received by:	SW	05/12/16	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	8306				
Canister Id:	19816				

Laboratory Data

SDG ID: GBN31633
Phoenix ID: BN31639

Project ID: 160117
Client ID: IA-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*	05/13/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	05/13/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	05/13/16	KCA	1	
1,2,4-Trimethylbenzene	0.395	*0.204*	1.94	*1.00*	05/13/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	05/13/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	05/13/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	05/13/16	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	05/13/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	05/13/16	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	05/13/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	05/13/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	05/13/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	05/13/16	KCA	1	
Acetone	0.971 S	*0.421*	2.31	*1.00*	05/13/16	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	05/13/16	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	05/13/16	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	05/13/16	KCA	1	

Project ID: 160117
Client ID: IA-1

Phoenix I.D.: BN31639

Parameter	ppbv Result		ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*0.149*	ND	*1.00*	05/13/16	KCA	1	
Bromoform	ND		*0.097*	ND	*1.00*	05/13/16	KCA	1	
Bromomethane	ND		*0.258*	ND	*1.00*	05/13/16	KCA	1	
Carbon Disulfide	ND		*0.321*	ND	*1.00*	05/13/16	KCA	1	
Carbon Tetrachloride	ND		*0.040*	ND	*0.25*	05/13/16	KCA	1	
Chlorobenzene	ND		*0.217*	ND	*1.00*	05/13/16	KCA	1	
Chloroethane	ND		*0.379*	ND	*1.00*	05/13/16	KCA	1	
Chloroform	0.592		*0.205*	2.89	*1.00*	05/13/16	KCA	1	
Chloromethane	ND		*0.485*	ND	*1.00*	05/13/16	KCA	1	
Cis-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
cis-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Cyclohexane	ND		*0.291*	ND	*1.00*	05/13/16	KCA	1	
Dibromochloromethane	ND		*0.118*	ND	*1.00*	05/13/16	KCA	1	
Dichlorodifluoromethane	0.512		*0.202*	2.53	*1.00*	05/13/16	KCA	1	
Ethanol	1.43	S	*0.531*	2.69	*1.00*	05/13/16	KCA	1	1
Ethyl acetate	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	1
Ethylbenzene	ND		*0.230*	ND	*1.00*	05/13/16	KCA	1	
Heptane	ND		*0.244*	ND	*1.00*	05/13/16	KCA	1	
Hexachlorobutadiene	ND		*0.094*	ND	*1.00*	05/13/16	KCA	1	
Hexane	ND		*0.284*	ND	*1.00*	05/13/16	KCA	1	
Isopropylalcohol	ND		*0.407*	ND	*1.00*	05/13/16	KCA	1	
Isopropylbenzene	ND		*0.204*	ND	*1.00*	05/13/16	KCA	1	
m,p-Xylene	0.546		*0.230*	2.37	*1.00*	05/13/16	KCA	1	
Methyl Ethyl Ketone	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND		*0.278*	ND	*1.00*	05/13/16	KCA	1	
Methylene Chloride	ND		*0.288*	ND	*1.00*	05/13/16	KCA	1	
n-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
o-Xylene	0.329		*0.230*	1.43	*1.00*	05/13/16	KCA	1	
Propylene	ND		*0.581*	ND	*1.00*	05/13/16	KCA	1	1
sec-Butylbenzene	ND		*0.182*	ND	*1.00*	05/13/16	KCA	1	1
Styrene	ND		*0.235*	ND	*1.00*	05/13/16	KCA	1	
Tetrachloroethene	1.61		*0.037*	10.9	*0.25*	05/13/16	KCA	1	
Tetrahydrofuran	ND		*0.339*	ND	*1.00*	05/13/16	KCA	1	1
Toluene	0.798		*0.266*	3.01	*1.00*	05/13/16	KCA	1	
Trans-1,2-Dichloroethene	ND		*0.252*	ND	*1.00*	05/13/16	KCA	1	
trans-1,3-Dichloropropene	ND		*0.221*	ND	*1.00*	05/13/16	KCA	1	
Trichloroethene	ND		*0.047*	ND	*0.25*	05/13/16	KCA	1	
Trichlorofluoromethane	0.575		*0.178*	3.23	*1.00*	05/13/16	KCA	1	
Trichlorotrifluoroethane	ND		*0.131*	ND	*1.00*	05/13/16	KCA	1	
Vinyl Chloride	ND		*0.098*	ND	*0.25*	05/13/16	KCA	1	
QA/QC Surrogates									
% Bromofluorobenzene	101		*%*	101	*%*	05/13/16	KCA	1	

Project ID: 160117
Client ID: IA-1

Phoenix I.D.: BN31639

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 at RL/PQL
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

May 18, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

May 18, 2016

QA/QC Data

SDG I.D.: GBN31633

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 345455 (ppbv), QC Sample No: BN31602 (BN31633, BN31634, BN31636, BN31637)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	110	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.183	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.183	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.247	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.252	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	0.172	0.135	1.28	1.00	116	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	94	12.1	12.5	2.46	2.55	3.6	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.166	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.247	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.216	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	95	3.75	3.76	0.764	0.766	NC	70 - 130	25
1,3-Butadiene	ND	0.452	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.166	ND	1.00	101	5.72	6.07	0.952	1.01	5.9	70 - 130	25
1,4-Dichlorobenzene	ND	0.166	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.278	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.244	ND	1.00	86	47.5	47.9	11.6	11.7	0.9	70 - 130	25
4-Ethyltoluene	ND	0.204	ND	1.00	100	2.93	3.22	0.596	0.655	NC	70 - 130	25
4-Isopropyltoluene	ND	0.182	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	85	1.83	1.82	0.446	0.445	NC	70 - 130	25
Acetone	ND	0.421	ND	1.00	88	413	323	174	136	24.5	70 - 130	25
Acrylonitrile	ND	0.461	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.313	ND	1.00	98	5.20	4.18	1.63	1.31	NC	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.149	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	82	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.257	ND	1.00	95	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.321	ND	1.00	91	3.49	2.62	1.12	0.841	NC	70 - 130	25
Carbon Tetrachloride	ND	0.040	ND	0.25	87	0.44	0.35	0.070	0.055	NC	70 - 130	25
Chlorobenzene	ND	0.217	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.379	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.205	ND	1.00	92	1.14	1.15	0.234	0.235	NC	70 - 130	25
Chloromethane	ND	0.484	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.291	ND	1.00	88	2.42	1.78	0.703	0.517	NC	70 - 130	25
Dibromochloromethane	ND	0.117	ND	1.00	89	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.202	ND	1.00	97	2.91	2.11	0.589	0.427	NC	70 - 130	25
Ethanol	ND	0.531	ND	1.00	80	121	105	64.5	55.7	14.6	70 - 130	25

QA/QC Data

SDG I.D.: GBN31633

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits	
Ethyl acetate	ND	0.278	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25	
Ethylbenzene	ND	0.230	ND	1.00	105	10.6	10.7	2.44	2.47	1.2	70 - 130	25	
Heptane	ND	0.244	ND	1.00	97	6.96	7.00	1.70	1.71	0.6	70 - 130	25	
Hexachlorobutadiene	ND	0.094	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	
Hexane	ND	0.284	ND	1.00	89	13.9 S	8.70 S	3.95 S	2.47 S	46.1	70 - 130	25	r
Isopropylalcohol	ND	0.407	ND	1.00	84	25.5	21.2	10.4	8.61	18.8	70 - 130	25	
Isopropylbenzene	ND	0.204	ND	1.00	110	1.64	1.63	0.333	0.332	NC	70 - 130	25	
m,p-Xylene	ND	0.230	ND	1.00	103	38.0	38.3	8.76	8.82	0.7	70 - 130	25	
Methyl Ethyl Ketone	ND	0.339	ND	1.00	86	395	407	134	138	2.9	70 - 130	25	
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	115	ND	ND	ND	ND	NC	70 - 130	25	
Methylene Chloride	ND	0.288	ND	1.00	85	17.0 S	3.44 S	4.91 S	0.992 S	NC	70 - 130	25	
n-Butylbenzene	ND	0.182	ND	1.00	115	1.20	1.12	0.219	0.204	NC	70 - 130	25	
o-Xylene	ND	0.230	ND	1.00	99	13.2	13.3	3.04	3.06	0.7	70 - 130	25	
Propylene	ND	0.581	ND	1.00	86	64.0	53.3	37.2	31.0	18.2	70 - 130	25	
sec-Butylbenzene	ND	0.182	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25	
Styrene	ND	0.235	ND	1.00	103	3.47	3.61	0.816	0.849	NC	70 - 130	25	
Tetrachloroethene	ND	0.037	ND	0.25	102	222	228	32.7	33.6	2.7	70 - 130	25	
Tetrahydrofuran	ND	0.339	ND	1.00	88	ND	ND	ND	ND	NC	70 - 130	25	
Toluene	ND	0.266	ND	1.00	99	25.3	25.3	6.71	6.72	0.1	70 - 130	25	
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25	
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25	
Trichloroethene	ND	0.047	ND	0.25	100	ND	ND	ND	ND	NC	70 - 130	25	
Trichlorofluoromethane	ND	0.178	ND	1.00	89	1.61	1.34	0.287	0.238	NC	70 - 130	25	
Trichlorotrifluoroethane	ND	0.131	ND	1.00	91	ND	ND	ND	ND	NC	70 - 130	25	
Vinyl Chloride	ND	0.098	ND	0.25	93	ND	ND	ND	ND	NC	70 - 130	25	
% Bromofluorobenzene	101	%	101	%	99	101	103	101	103	NC	70 - 130	25	

QA/QC Batch 345744 (ppbv), QC Sample No: BN31638 (BN31635, BN31638, BN31639)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	112	ND	ND	ND	ND	NC	70 - 130	25	
1,1,1-Trichloroethane	ND	0.183	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethane	ND	0.247	ND	1.00	117	ND	ND	ND	ND	NC	70 - 130	25	
1,1-Dichloroethene	ND	0.252	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	120	ND	ND	ND	ND	NC	70 - 130	25	
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	98	32.6	33.2	6.64	6.75	1.6	70 - 130	25	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichloroethane	ND	0.247	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25	
1,2-dichloropropane	ND	0.216	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	97	14.4	14.6	2.93	2.97	1.4	70 - 130	25	
1,3-Butadiene	ND	0.452	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25	
1,4-Dioxane	ND	0.278	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25	
2-Hexanone(MBK)	ND	0.244	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25	
4-Ethyltoluene	ND	0.204	ND	1.00	102	5.21	5.94	1.06	1.21	13.2	70 - 130	25	
4-Isopropyltoluene	ND	0.182	ND	1.00	109	1.68	1.52	0.306	0.277	NC	70 - 130	25	
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	
Acetone	ND	0.421	ND	1.00	97	14.4	14.3	6.07	6.04	0.5	70 - 130	25	
Acrylonitrile	ND	0.461	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25	

QA/QC Data

SDG I.D.: GBN31633

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Benzene	ND	0.313	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.193	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.149	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	85	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.257	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.321	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.040	ND	0.25	92	0.48	0.50	0.076	0.079	NC	70 - 130	25
Chlorobenzene	ND	0.217	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.379	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.205	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.484	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	98	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.291	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.117	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.202	ND	1.00	106	2.80	2.85	0.567	0.577	NC	70 - 130	25
Ethanol	ND	0.531	ND	1.00	92	23.0	23.3	12.2	12.4	1.6	70 - 130	25
Ethyl acetate	ND	0.278	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	105	1.19	1.22	0.275	0.280	NC	70 - 130	25
Heptane	ND	0.244	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.284	ND	1.00	93	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.407	ND	1.00	95	5.09 S	5.11 S	2.07 S	2.08 S	0.5	70 - 130	25
Isopropylbenzene	ND	0.204	ND	1.00	114	1.63	1.62	0.332	0.330	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	104	6.64	6.64	1.53	1.53	0.0	70 - 130	25
Methyl Ethyl Ketone	ND	0.339	ND	1.00	94	1.22	1.23	0.415	0.416	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.277	ND	1.00	121	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.288	ND	1.00	93	1.09 S	1.84 S	0.314 S	0.530 S	NC	70 - 130	25
n-Butylbenzene	ND	0.182	ND	1.00	118	2.25	2.13	0.410	0.388	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	100	4.77	4.90	1.10	1.13	NC	70 - 130	25
Propylene	ND	0.581	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.182	ND	1.00	111	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.235	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	106	0.58	0.59	0.085	0.087	NC	70 - 130	25
Tetrahydrofuran	ND	0.339	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.266	ND	1.00	104	5.61	5.42	1.49	1.44	3.4	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	98	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.047	ND	0.25	105	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.178	ND	1.00	98	1.52	1.51	0.271	0.269	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.131	ND	1.00	97	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.098	ND	0.25	102	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	104	%	104	%	101	105	104	105	104	NC	70 - 130	25

r = This parameter is outside laboratory RPD specified recovery limits.

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

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

Phyllis Shiller, Laboratory Director
May 18, 2016

Sample Criteria Exceedences Report

GBN31633 - HYDROBRO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

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 Comments

May 18, 2016 SDG I.D.: GBN31633

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

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

P.O. # 8306 Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: AInfante@hydrotechenvironmental.com
☐ Phone #:

Report to: A.J. Infante
Customer: Hydrotech Env.
Address: 15 Ocean Avenue
Brooklyn, NY

Invoice to: Muslima Ward

Sampled by: AJ Infante

Project Name: 160117

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	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
31633	SV-3	487	6.0	-30	-4	3259	43	09:30	11:30	5/11/16	-30	-7		X	G		X
31634	SV-1	19969	6.0	-30	-3	5710		09:20	11:20	5/11/16	-30	-5		X	G		X
31635	OA-1	496	6.0	-30	-4	5164		09:40	11:40	5/11/16	-30	-6	X		G		X
31636	SV-5	464	6.0	-30	-6	5711		09:45	11:45	5/11/16	-30	-7		X	G		X
31637	SV-2	465	6.0	-30	-5	5025		09:25	11:25	5/11/16	-30	-7		X	G		X
31638	SV-4	12856	6.0	-30	-4	4494		09:40	11:40	5/11/16	-30	-6		X	G		X
31639	IA-1	19816	6.0	-30	-4	5349		09:25	11:25	5/11/16	-30	-5	X		G		X
	6L 2hrs																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	5-12-16	12:15
[signature]	[signature]	5-12-16	18:00

Data Format:
Excel ☒ Equis ☐ GISKey ☐
PDF ☒ Other: ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria
NYSDOH Indoor Background Limits

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: 5/11/16