34-22 35TH STREET

QUEENS, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: TBD

OER Project Number: 10RHAZ062Q

Prepared for:

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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, Gary Rozmus, 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 34-22 35th Street, Queens, New York property, OER Project Number 10RHAZ062Q. 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.

Gary A. Rozmus	12/26/2014	
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 34-22 35th Street in the Astoria section in Queens, New York and is identified as Block 642, Lot 36 on the New York City Tax Map. The property is located on the west side of 35th Street between 34th Avenue and 35th Avenue. The Site is approximately 15,000-square feet and is bounded by an existing 1-story supermarket to the north, a parking lot to the south, a 3-story movie studio across 35th Street to the east, and several 2-story residences to the west. A map depicting the Site location is shown in **Figure 1**. Currently, the Site is vacant land.

Summary of Proposed Redevelopment Plan

The preliminary proposed future use of the Site consists of a 7-story, mixed use (residential and commercial) building consisting of first floor residential, small commercial, and common area amenity space, one level of underground space (cellar), and a rear garden space. The cellar level will be used for parking and for mechanical and common area building space – refuse room, superintendent's office etc., and will encompass the majority of the lot footprint of approximately 15,000 ft^2 (provided in **Appendix 2**). Access to the cellar will be available from street level from an approximately 10-foot-wide ramp located at the southern end of the Site. The aboveground portion of the building will occupy a footprint of approximately 8,172 ft^2 (59 feet by 138.5 feet) set against the north and east lot lines. Floors 2 through 7 will consist of 66 residential units. The 7th floor will also include approximately 2,100 ft^2 of terrace space.

The finished floor elevation of the cellar will require excavation to a depth of 17 feet below existing grade and excavation for the elevator pit(s) to approximately 22 feet below existing grade. Therefore, an estimated 10,000 cubic yards (15,000 tons) of soil will require excavation for the new building's cellar. The planned excavation depths are above the groundwater table which is present approximately 21 feet below ground surface (bgs).

The current zoning designation is part of zoning district C4-2A. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

The property was previously owned by Damroc Realty Corp. and before that Dreygo Development Corp and was reportedly used as a coat factory. In 2008, the Site consisted of two garages and a building that functioned as a commercial/manufacturing business entity.

A Phase I Environmental Site Assessment (ESA) was completed by Joseph D. Martines, P.E., PLLC in March of 2008. According to the report, the Site consisted of a 1-story commercial warehouse for fur and leather storage, along with 2 garages. Based on historical Sanborn maps, the northern garage potentially contains three gasoline underground storage tanks (USTs), which are shown on the maps until 1950. From an interview with the previous owner, it is believed one UST was removed in 1993.

Summary of the Work Performed Under the Remedial Investigation

GEI performed the following scope of work in November of 2014, the scope of which was approved by OER:

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

Summary of Environmental Findings

1. Elevation of the property ranges from 37 to 39 feet.
2. Depth to groundwater ranges from 20.7 to 21.7 feet at the Site.
3. Groundwater flow is from east to west beneath the Site.

4. Depth to bedrock at the Site ranges from approximately 50 to 70 feet.

5. The stratigraphy of the Site, from the surface, consists of approximately 1.5 to 5 feet of fine to coarse sand silt and gravel. This unit may represent disturbed material. The majority of the underlying deposits were fine to medium sand with some silt and gravel to at least 25 feet bgs. Bedrock was not encountered in the environmental investigation borings.

6. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill samples showed no VOCs, PCBs, or pesticides in any of the soil samples. Six SVOCs consisting of Polycyclic Aromatic Hydrocarbons (PAHs) including benz(a)anthracene (max of 9,100 µg/Kg), benzo(a)pyrene (max of 7,500 µg/Kg), benzo(b)fluoranthene (max of 8,900 µg/Kg), chrysene (max of 9,500 µg/Kg), dibenz(a,h)anthracene (max of 700 µg/Kg), and indeno(1,2,3-cd)pyrene (max of 2,200 µg/Kg) were found within three samples (1 deep and 2 shallow) exceeding Unrestricted Use SCOs as well as Restricted Residential SCOs. Two metals including lead (max of 126 µg/Kg) and zinc (max of 308 µg/Kg) exceeded Unrestricted Use SCOs.

7. Groundwater samples results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the investigations showed no VOCs or PCBs in any sample. Trace concentrations of several SVOCs were detected but only benz(a)anthracene (max of 0.03 µg/L) exceeded its GQS. Two pesticides were detected in groundwater but only dieldrin (at 0.007 µg/L) exceeded its GQS. Several metals were identified, but only aluminum (max of 0.22 µg/L), iron (max of 0.345 µg/L), and sodium (max of. 30.2 µg/L) exceeded their respective GQS.

8. Soil vapor results collected during the RI were compared to the compounds listed in Table 3.1 Air Guideline Values derived by the New York State Department of Health (NYSDOH) in the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006. Soil vapor samples collected during the RI showed moderate levels of petroleum related and chlorinated VOCs in all soil vapor samples. Total concentrations of petroleum-related VOCs (BTEX) ranged from 371.6 µg/m^3 to 886.3 µg/m^3. Chlorinated VOCs including tetrachloroethene (PCE) (max of 36.1 µg/m^3), carbon tetrachloride (max

of 15.5 µg/m^3), trichloroethene (TCE) (max of 8.43 µg/m^3), and trichloroethane (TCA) (max of 12.3 µg/m^3) were detected in all soil vapor samples. Concentrations for TCE, and carbon tetrachloride were above the monitoring level ranges established within the State DOH soil vapor guidance matrix level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

34 22 Astoria Partners, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.34-acre site located at 34-22 35th Street in the Astoria section of Queens, New York. Mixed commercial and residential use is proposed for the property. The RI work was performed between November 12 and November 19, 2014. 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 34-22 35th Street in the Astoria section in Queens, New York and is identified as Block 642, Lot 36 on the New York City Tax Map. The property is located on the west side of 35th Street between 34th Avenue and 35th Avenue. The Site is approximately 15,000-square feet and is bounded by an existing 1-story supermarket to the north, a parking lot to the south, a 3-story movie studio across 35th Street to the east, and several 2-story residences to the west. A map depicting the Site location is shown in **Figure 1**. Currently, the Site is vacant land.

1.2 Proposed Redevelopment Plan

The preliminary proposed future use of the Site consists of a 7-story, mixed use (residential and commercial) building consisting of first floor residential, small commercial, and common area amenity space, one level of underground space (cellar), and a rear garden space. The cellar level will be used for parking and for mechanical and common area building space – refuse room, superintendent's office etc., and will encompass the majority of the lot footprint of approximately 15,000 ft^2 (provided in **Appendix 2**). Access to the cellar will be available from street level from an approximately 10-foot-wide ramp located at the southern end of the Site. The aboveground portion of the building will occupy a footprint of approximately 8,172 ft^2 (59 feet by 138.5 feet) set against the north and east lot lines. Floors 2 through 7 will consist of 66 residential units. The 7th floor will also include approximately 2,100 ft^2 of terrace space.

The finished floor elevation of the cellar will be require excavation to a depth of 17 feet below existing grade and excavation for the elevator pit(s) to approximately 22 feet below existing grade. Therefore, an estimated 10,000 cubic yards (15,000 tons) of soil will require excavation for the new building's cellar. The planned excavation depths are above the groundwater table which is present approximately 21 feet below ground surface (bgs).

The current zoning designation is part of zoning district C4-2A. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The immediate surrounding properties consist of several 2-story residential homes to the west, a 1-story commercial supermarket to the north, a 3-story movie studio for Kaufman Astoria Studios to the east, and vacant land to the south. The surrounding neighborhood is largely residential along with commercial properties and public facilities and institutions. There are two schools, Public School 166 and the Frank Sinatra School of Arts High School, as well as a daycare, A Child’s Daycation, located within a 500-foot radius from the Site. No hospitals are located within a 500-foot radius. The surrounding land usage is depicted in **Figure 3**.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The property was previously owned by Damroc Realty Corp. and before that Dreygo Development Corp and was reportedly used as a coat factory. In 2008, the Site consisted of two garages and a building that functioned as a commercial/manufacturing business entity.

A Phase I Environmental Site Assessment (ESA) was completed by Joseph D. Martines, P.E., PLLC in March of 2008. According to the report, the Site consisted of a 1-story commercial warehouse for fur and leather storage, along with 2 garages. Based on historical Sanborn maps, the northern garage potentially contains three gasoline underground storage tanks (USTs), which are shown on the maps until 1950. From an interview with the previous owner, it is believed one UST was removed in 1993.

2.2 Previous Investigations

A Phase I ESA report (as described in a subsequent Phase II ESA report discussed below) identified two USTs that may have been present on the Site. The report recommended a Phase II Investigation to include ground penetrating radar (GPR) survey, and the collection of soil, groundwater and soil vapor gas samples.

The Phase II ESA was conducted in February 2008 by Joseph D. Martines, P.E., PLLC, of Rockville Center. The scope of the investigation included the advancement of four soil borings with the collection of four soil samples. The Phase II ESA report is provided in **Appendix 3**. Following the Phase II ESA, a GPR survey was conducted in March 2008. The survey results are provided in **Appendix A** of the report. The GPR survey identified an anomaly that was reported typical of a UST in the front (eastern) portion of the warehouse building. A second small anomaly was identified adjacent to the initial anomaly. A subsequent Freedom of Information Law (FOIL) request, filed by James Martines, P.E. PLLC, found that a 2,000-gallon UST "had been sealed and removed on May 7, 1993." Based on this information, it was concluded that the anomaly may have been caused by the disturbed soil resulting from the UST removal. A FOIL request was submitted by GEI on November 13, 2014 to the Fire Department of New York (FDNY) to further confirm the removal of this UST, as well as the potential presence of any additional USTs at the project Site. As of the completion of this report, a

response from the FDNY has not been received. However, a letter from the NYSDEC received November 21, 2014 indicated that a response should be expected by December 22, 2014.

In summary, The 2008 Phase II ESA found no volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, or PCBs exceeding NYSDEC TAGM #4046 Recommended Soil Cleanup Objectives (RSCOs). The only constituents that exceeded RSCOs were magnesium and zinc. This current Phase II Investigation report will incorporate these data points and analytical results, and compare them to current soil cleanup values.

2.3 Site Inspection

A site inspection was performed on August 24 and 28, 2014, by GEI Project Engineer Sean DiBartolo, to inspect the Site prior to performing the Phase II and geotechnical investigations of the Site. This was performed under the direction of Gary Rozmus, QEP. The Site was vacant and overgrown. No evidence of AOCs was observed. The AOCs and scope of this current Phase II ESA were established with OER based on the prior Phase II work. At the time of the visit, the Site was a vacant and overgrown lot.

2.4 Areas of Concern

The February 2008 Phase II ESA found exceedances of only magnesium and zinc above TAGM 4046 RSCOs in the northern portion of the Site. However, none of the concentrations detected during the Phase II ESA exceed NYSDEC Part 375 Unrestricted Use site cleanup objectives (SCOs). The current Phase II Investigation was developed to cover the remaining area of the Site and the associated scope of work and data points were approved by OER. Certain sampling locations were added (e.g. investigation around GPR anomalies, and conducting additional soil gas sampling considering offsite groundwater areas of concern).

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is GEI Senior Consultant Gary Rozmus.

3.2 Health and Safety

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

3.3 Materials Management

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

4.0 REMEDIAL INVESTIGATION ACTIVITIES

GEI performed the following scope of work in November of 2014, the scope of which was approved by OER:

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

4.1 Borings and Monitoring Wells

Drilling and Soil Logging

On November 12 to , 2014, six soil borings were installed using a Geoprobe direct-push drilling rig in the approximate locations shown on **Figure 2**. The six soil boring locations were chosen to gain representative soil quality information across the Site. For three of the soil borings, soil samples were collected at continuous intervals to a boring termination depth of 20, feet below existing grade using a Geoprobe macrocore sampler. For one soil boring, soil samples were collected beyond the deepest excavation depth of 25 feet below grade. For the remaining two soil borings, soil samples were collected to a depth of 5 feet below grade. For each sample, a clear 4-foot expendable acetate liner was installed into the core barrel and advanced 4 feet into the soil. The core barrel was removed, the liner extracted and replaced with a new liner and then advanced an additional 4 feet. This procedure was followed for each of the borings. The core barrel tip was decontaminated between borings as specified in the work plan.

The soil was characterized and logged for potential impacts (e.g., odor, staining, anthropogenic materials) and field screened for volatile organic vapors in 6-inch intervals with a photoionization detector (PID).

Boring logs were prepared by a scientist and are attached in **Appendix 4**.

Groundwater Monitoring Well Construction

Three temporary groundwater monitoring wells [GP-1(MW-1), GP-2(MW-2) and GP-3 (MW-3)] constructed of 2-inch slotted polyvinyl chloride (PVC), were installed at the Site using direct-push methods. The wells were each installed to intersect the groundwater interface at a depth of 27.5-feet below grade with 10-feet of 0.010-inch slotted screen extending from a depth of approximately 17.5-feet to the base of the well. The wells were installed to establish the groundwater flow direction and to evaluate the groundwater quality at the Site.

The groundwater monitoring well locations are shown in **Figure 2** and logs are provided in **Appendix 4**.

Soil Vapor Collection

To collect the soil vapor samples, implants were set at a depth of approximately 18 feet. The vapor implants were installed using 1-inch diameter steel drill rods advanced using direct push drilling methods. The soil vapor probes consisted of a prefabricated 2 to 3 inch perforated steel vapor probe tip attached to 3/8-inch diameter low density polyethylene (LDPE) plastic riser tubing. Once driven to depth, the rods were removed leaving only the tip and the tubing. The vapor probe borehole was backfilled to grade with gravel. A surface seal was placed using an impermeable clay seal installed within the last 6-inches of the probe-hole annulus from surface grade level. The vapor well was purged using a hand pump or equivalent device after installation. Sampling was conducted over a period of over 2 hours.

Survey

Each sample point's coordinates were accurately located by a Global Positioning System (GPS) device with sub-meter accuracy and are referenced to New York State Plane Coordinate System, Long Island Zone (NAV 83). Ground surface elevations were estimated using an optical land and survey rod on a previously established benchmark using Queens Borough Datum. The survey information is provided in **Table 1**.

Water Level Measurement

Water levels in the wells were measured with an electronic water level meter. Water level data and elevations are included in **Table 1**.

4.2 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

Ten soil samples were collected for chemical analysis during this RI. Data regarding soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 2**. **Figure 2** shows the location of samples collected in this investigation. Laboratories and analytical methods are provided below.

Six soil borings [designated GP-1, GP-5 (and GP-5A), GP-8, GP-9, B-106, and B-107] were completed during this investigation as outlined in the approved work plan. Two soil samples from each of the borings were collected; a shallow sample (0 to 2 feet or 1 to 3 feet), and a deeper sample (16 to18 feet or 20 to 22 feet). The deeper samples were collected from the approximate 2-foot interval near the proposed maximum excavation development depth at the approximate depth of an elevator pit. Boring GP-5A was advanced (and a shallow sample collected) adjacent to boring GP-5 due to poor recovery in the shallow interval. Borings B-106 and B-107 were advanced to 5 feet and a shallow sample was collected from 2 to 4 feet and 2 to3 feet, respectively. QA/QC samples included one duplicate and field blank sample. Boring logs are provided in **Appendix 4**.

All soil samples were collected in laboratory supplied jars, properly labeled with the boring number and the depth of the sample interval, the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory

(ELAP Certification No. 11301). All soil samples were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis from temporary monitoring wells designated GP-1 (MW-1), GP-2 (MW-2), and GP-3 (MW-3). Groundwater sample collection data is reported in **Table 3**. **Figure 2** shows the location of the temporary groundwater monitoring wells. Laboratories and analytical methods are provided below.

Representative groundwater samples were collected consistent with USEPA's Low Stress/Flow Groundwater Sampling Protocol (Standard Operating Procedure [SOP] # GW0001, rev. Jan 2010), using a peristaltic pump and dedicated tubing. QA/QC samples collected included a trip blank, field blank, and a duplicate sample.

One groundwater sample (filtered and unfiltered for metals, and unfiltered for all other listed parameters) was collected from each monitoring well and submitted for laboratory analysis.

All groundwater samples were collected in laboratory supplied jars, properly labeled with the well ID, the date and time of sampling, the analytical requirements, and then placed on ice for the duration of the sampling and transport to the laboratory. A chain of custody form was completed at the time of sampling and maintained until disposition of the samples to Phoenix.

Soil Vapor Sampling

Three soil vapor samples GP6 (SG-1), GP4 (SG-2), and GP7 (SG-3) were collected during this Phase II Investigation. Soil vapor sample collection data is reported in **Table 4**. The locations of the sampling points are depicted on **Figure 2**.

The soil vapor samples were collected in appropriate sized Summa canisters that have been certified clean by the laboratory. Quality Control/Quality Assurance (QA/QC) sampling included one duplicate sample.

The flow rate for both purging and sampling did not exceed 0.2 liters per minute (L/min). Approximately 60 hours following soil vapor probe installation, one to three implant volumes were purged prior to the collection of the soil-vapor samples. A sample log sheet was

maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols. Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

As part of the vapor intrusion evaluation, a tracer gas (helium) was used in accordance with NYSDOH protocols to serve as a QA/QC device to verify the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) served to keep the tracer gas in contact with the probe during testing. A portable monitoring device was used to analyze a sample of soil vapor for the tracer gas prior to sampling. The sample results did not show any significant presence of the tracer gas. At the conclusion of the sampling round, tracer monitoring was performed a second time to confirm the integrity of the probe seals.

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 program was directed by GEI Environmental Scientist Michael Quinlan
Chemical Analytical Laboratory	Chemical analytical laboratory used in the Phase II is New York State Environmental Laboratory Approval Program (ELAP) certified and was Phoenix Environmental Laboratories, Inc., of Manchester, CT
Chemical Analytical Methods	Soil and groundwater analytical methods: • TAL Metals by EPA Method 6010C and 7471C (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 results: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater, and soil vapor are summarized in Tables 2, 3 and 4, respectively. The laboratory data deliverables for all samples evaluated in this RIR are provided in Appendices 5, 6 and 7, respectively.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site, from the surface, consists of approximately 1.5 to 5 feet of fine to coarse sand silt and gravel. This unit may represent disturbed material or urban fill. The majority of the underlying deposits were fine to medium sand with some silt and gravel to at least 25 feet bgs. Bedrock was not encountered in the environmental investigation borings; however, it was encountered between approximately 50 and 70 feet during a concurrent geotechnical investigation at the Site. Boring logs are provided in **Appendix 4**.

Hydrogeology

Groundwater level data for the monitor wells is included in **Table 1**. The average depth to groundwater at the Site is 21.3 feet bgs. A map of groundwater level elevations, contours and inferred flow direction is provided as **Figure 4**. Based on this data, the groundwater flow direction at the Site is westward.

5.2 Soil Chemistry

The 10 soil samples collected as part of this investigation was compared to 6 NYCRR Subpart 375-6.8; (a): Unrestricted Use SCOs and the 6 NYCRR Subpart 375-6.8; (b): Restricted Residential Site Cleanup Objectives (SCOs) (**Table 2**). Laboratory analytical results for the soil samples are provided in **Appendix 5**. The distribution of exceedances of the SCOs is provided on **Figure 5**.

Based on observations noted in the field (visual, olfactory, and PID readings) no impacts were associated with the soil encountered (see boring logs in **Appendix 4**).

No VOC, pesticide or PCB exceedances were identified in the soil samples collected.

SVOC exceedances of the SCOs were identified in three of the samples. Two of the samples were collected from the surface [GP-9 (0 to 2 feet)] or shallow zone [B-107 (2 to 3 feet)], and one sample was collected from the deeper interval [GP-1 (16 to18 feet)] corresponding to the base of the planned excavation. The exceedances were found in the central, eastern, and northeastern portions of the Site within the proposed building footprint.

The SVOC compounds exceeding both the Unrestricted and Restricted Residential Use SCOs were polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, chrysene (in one of the three samples with exceedances), dibenzo(a,h)anthracene (in two of the three samples with exceedances), and indeno(1,2,3-cd)pyrene exceeded both the Unrestricted and Restricted Residential Use SCOs. Benzo(a)anthracene was also detected at the reporting limit in the field blank sample. Additional exceedances of the Unrestricted SCOs were identified for benzo(k)fluoranthene and chrysene (in two of the three samples with exceedances). The maximum concentration detected these compounds were as follows: benzo(a)anthracene (9,100 µg/Kg), benzo(b)fluoranthene (8,900 µg/Kg), benzo(k)fluoranthene (2,400 µg/Kg) benzo(a)pyrene (7,500 µg/Kg), chrysene (9,500 µg/Kg), dibenzo(a,h)anthracene (700 µg/Kg), and indeno(1,2,3-cd)pyrene (2,200 µg/Kg). Excluding the exceedances of indeno(1,2,3-cd)pyrene in samples GP-1 (16 to 18 feet) and B-107 (2 to3 feet), the exceedances were relatively low, within the same order-of-magnitude as one or both of the applicable SCOs. The exceedances of indeno(1,2,3-cd)pyrene mentioned above were one order-of-magnitude above both of the applicable SCOs.

Metals exceedances of the Unrestricted Use SCOs were limited to three samples. The three samples with metals exceedances were the same samples with SVOC exceedances identified above. The exceedances were all relatively low and included lead in GP-1 (16 to18 feet) at a concentration of 126 mg/Kg and GP-9 (0 to 2 feet) at 113 mg/Kg, as well as zinc in GP-9 (0 to 2 feet) at 150 mg/Kg and B-107 (2 to 3 feet) at 308 mg/Kg. No exceedances of the Restricted Residential SCOs were identified.

Low-level PAH and metals contamination is typically found within urban fill type soil.

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 2**. **Figure 5** 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 three groundwater samples collected were compared to the NYSDEC Division of Water Technical and Operation Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) (**Table 3**). Exceedances of the AWQS in groundwater samples are depicted on

Figure 6. Laboratory analytical results for the groundwater samples are provided in **Appendix 6**.

No VOC or PCB detections or exceedances were identified in the groundwater samples collected.

SVOC exceedances of the TOGS were limited to benzo(a)anthracene in samples GP-2 (MW-2) and GP-3(MW-3), with concentrations of 0.03 µg/L and 0.02 µg/L, respectively, above the guidance value of 0.002 µg/L. Benzo(a)anthracene was also detected in the field blank and duplicate samples. Each of the detections was low, being at or near the reporting limit.

The concentration of the pesticide compound dieldrin (0.007 µg/L) in the sample from GP-2(MW-2) slightly exceeded the AWQS of 0.004 µg/L. No exceedances of pesticides were detected in the other two groundwater samples collected.

Metals exceedances of the AWQS in the unfiltered samples were identified in each of the three samples and the duplicate sample. The compounds exceeding the AWQS included aluminum, iron in each of the three samples, as well as magnesium in GP-1(MW-1) and GP-2(MW-2), mercury in GP-2(MW-2), and sodium in GP-3(MW-3). The number of exceedances in the filtered samples were significantly less than those in the unfiltered samples. The exceedances in the filtered samples included only aluminum (0.22 mg/L) and iron (0.345 mg/L) in GP-2(MW-2) and sodium in GP-1(MW-1) at a concentration of 30.2 mg/L and GP-3(MW-3) at 21.4 mg/L. The AWQS for aluminum, iron and sodium are 0.1 mg/L, 0.3 mg/L and 20 mg/L, respectively. The dissolved metals concentrations exceeding the AWQS were relatively low, within the same order of magnitude as the respective standard and were significantly lower than the unfiltered total concentrations.

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 3**. **Figure 6** 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

Laboratory analytical results for the soil vapor samples are provided in **Table 4** and the laboratory data package is provided in **Appendix 7**. All samples were analyzed for VOCs. Helium levels were measured prior to and following sample collection to verify the integrity of the soil vapor probe seal. No helium was detected in the pre-sample or post-sample measurements.

The analytical results identified petroleum-related VOCs and chlorinated VOCs at low to moderate concentrations. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 933 micrograms per cubic meter ($\mu g/m^3$) at GP-6(SG-3). Overall, the highest reported concentration was for tetrahydrofuran (maximum of 1,120 $\mu g/m^3$) at GP-7(SG-3). 1,1,1-trichloethane (1,1,1-TCA), carbon tetrachloride, and tetrachloroethylene (PCE) were detected in each of the three soil vapor samples with maximum concentrations of 12.3 $\mu g/m^3$ [GP-4 (SG-2)], 15.5 $\mu g/m^3$ [GP-4 (SG-2)], and 36.1 $\mu g/m^3$ [GP-7 (SG-3)], respectively. Trichloroethylene (TCE) was detected in samples GP-4 (SG-2) and GP-7 (SG-3) with concentrations of 8.43 $\mu g/m^3$ and 2.9 $\mu g/m^3$, respectively. The concentrations of carbon tetrachloride and TCE at GP-4 (SG-2), located in the central portion of the Site within the planned building footprint, were above the monitoring level range established within the NYSDOH Final Guidance on Soil Vapor Intrusion (see below). The remaining detections of these compounds were all below the monitoring level ranges established within the NYSDOH Final Guidance on Soil Vapor Intrusion.

The only established regulatory criteria for soil vapor are provided in the NYSDOH Guidance. The criteria as listed in the Volatile Chemical Matrix Tables, compare sub-slab vapor concentrations to indoor air concentrations for 1,1,1-trichloroethane, carbon tetrachloride, tetrachloroethylene (PCE), and trichloroethylene (TCE). Since indoor air concentrations were not sampled as part of this investigation, the criteria do not strictly apply; however, a comparison between the minimum sub-slab concentrations in the matrices to the soil vapor samples collected during this investigation can be conservatively performed and the results used as a means to determine if additional investigation or mitigation measures could be warranted.

Sample ID Sampling Date	NYSDOH Action Level	GP7(SG-3) 11/13/2014	GP6 (SG-1) 11/13/2014	GP4(SG-2) 11/13/2014
Units	**µg/m³**	**µg/m³**	**µg/m³**	**µg/m³**
1,1,1-Trichloroethane	100	8.18	10.2	12.3
Carbon tetrachloride	5	0.05	3.08	15.5
Tetrachloroethylene (PCE)	100	36.1	8.2	32.4
Trichloroethylene (TCE)	5	2.9	<0.25	15.3

NOTES:

µg/m^3=micrograms per cubic meter

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 4**.

Figure 2 shows the soil vapor sample locations.

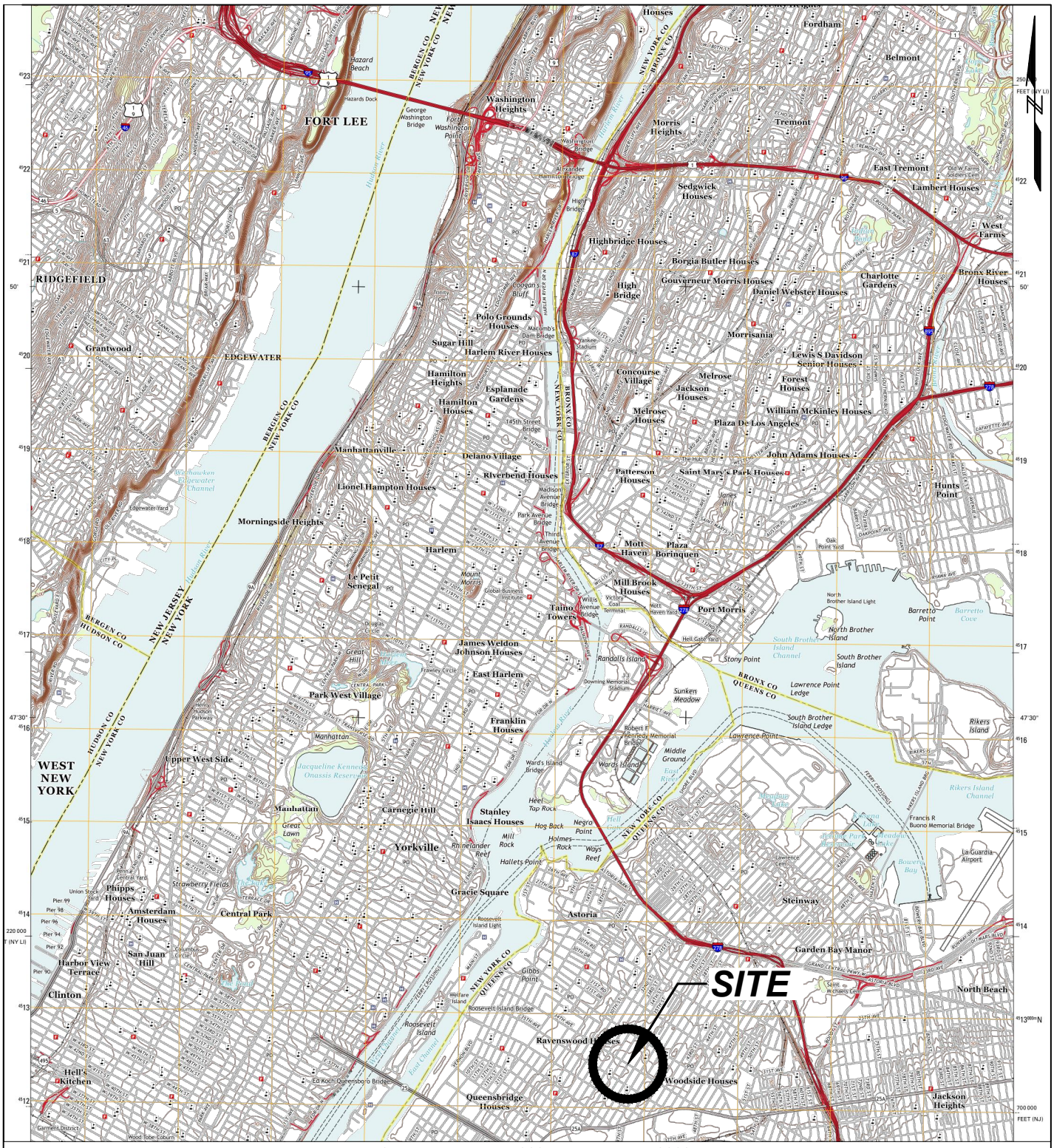
5.5 Prior Activity

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

It is noted that the remedial scope for the Site has not been yet determined. Assuming remediation to include offsite soil disposal during development, there are no known impediments for this remedial action at this property.

Figures



0 5000 10000

SCALE, FEET

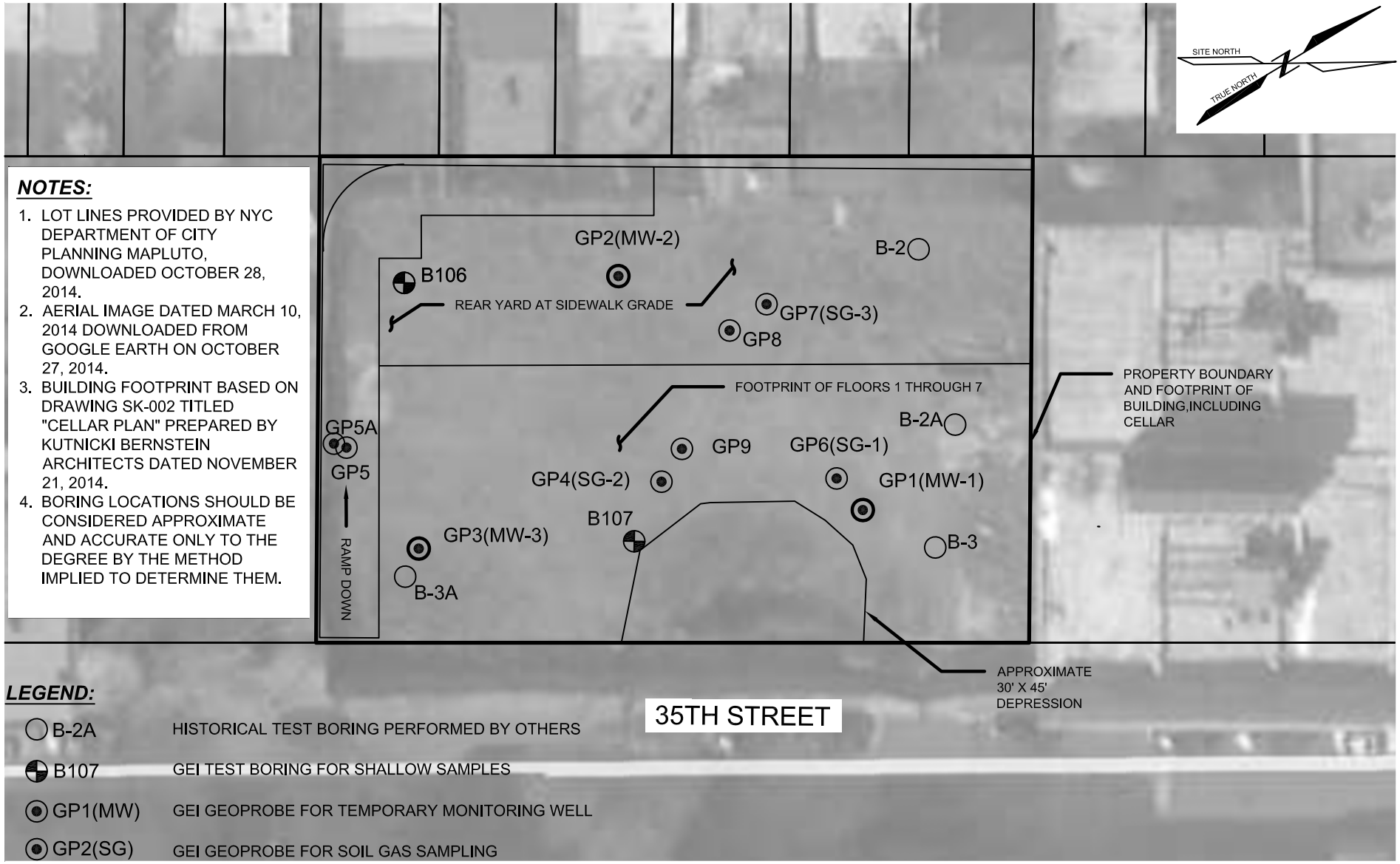
NOTES:

1. Topographic map from USGS CENTRAL PARK QUADRANGEL NEW YORK-NEW JERSEY 7.5 MINUTE SERIES

NEW YORK QUADRANGLE LOCATION

34-22 35tth Street Geotechnical Services Astoria, Queens, New York	GEI Consultants	FIGURE 1 SITE LOCATION MAP
Volmar Construction Brooklyn, New York	Project 141228-0	November 2014 Fig. 1

O:\Tech\Projects\2014\141228-0 Volmar-34-22 35th Street\DWGS-GEI\DRAWINGS\1412280-Site Location Map



NOTES:

1. LOT LINES PROVIDED BY NYC DEPARTMENT OF CITY PLANNING MAPLUTO, DOWNLOADED OCTOBER 28, 2014.
2. AERIAL IMAGE DATED MARCH 10, 2014 DOWNLOADED FROM GOOGLE EARTH ON OCTOBER 27, 2014.
3. BUILDING FOOTPRINT BASED ON DRAWING SK-002 TITLED "CELLAR PLAN" PREPARED BY KUTNICKI BERNSTEIN ARCHITECTS DATED NOVEMBER 21, 2014.
4. BORING LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND ACCURATE ONLY TO THE DEGREE BY THE METHOD IMPLIED TO DETERMINE THEM.

LEGEND:

B-2A	HISTORICAL TEST BORING PERFORMED BY OTHERS
B107	GEI TEST BORING FOR SHALLOW SAMPLES
GP1(MW)	GEI GEOPROBE FOR TEMPORARY MONITORING WELL
GP2(SG)	GEI GEOPROBE FOR SOIL GAS SAMPLING

0 30' 60'

SCALE: 1" = 30'

7-Story Mixed-Use Development
34-22 35th Street
Queens, New York

Volmar Construction, Inc.
Brooklyn, New York

GEI Consultants

Project 141228-0

SAMPLE LOCATION MAP

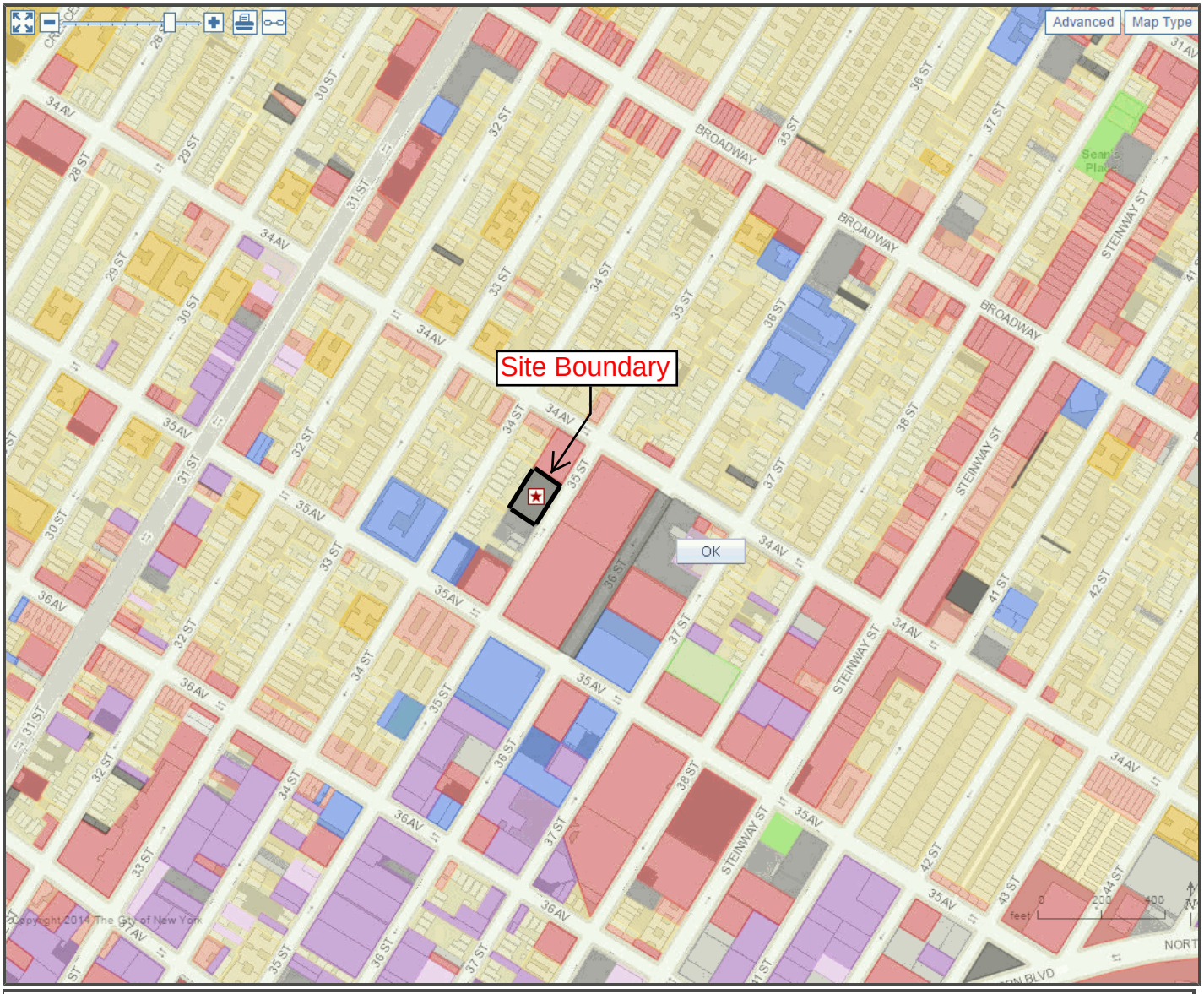
December 2014

Fig. 2

\\mcl1v-fs01\ \\mcl1v-fs01\Data\Tech\Projects\2014\141228-0 Volmar-34-22 35th Street\DWGS-GEI\DRAWINGS\1412280-01.4 Exploration Location Plan_Env_JC.dwg - 12/1/2014

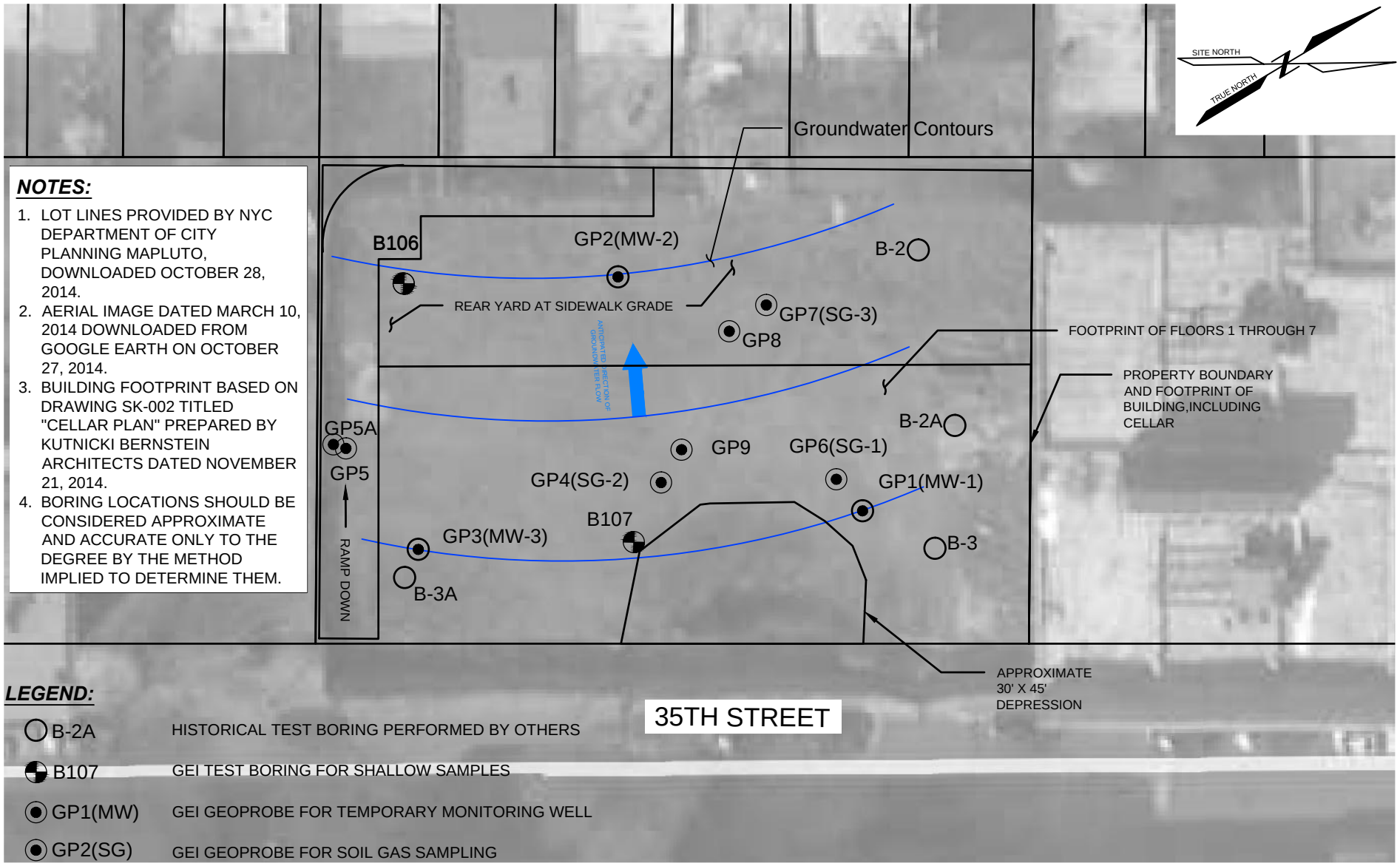
FIGURE 3 - SURROUNDING LAND USAGE

ZoLa



Primary Land Use

- One & Two Family Residence
- Multi-Family Residence (Walkup)
- Multi-Family Residence (Elevator)
- Mixed Residential & Commercial
- Commercial Use
- Industrial / Manufacturing
- Transportation / Utility
- Public Facilities and Institutions
- Open Space & Recreation
- Parking
- Vacant Land



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0 30' 60'

SCALE: 1" = 30'

7-Story Mixed-Use Development
34-22 35th Street
Queens, New York

Volmar Construction, Inc.
Brooklyn, New York

GEI Consultants

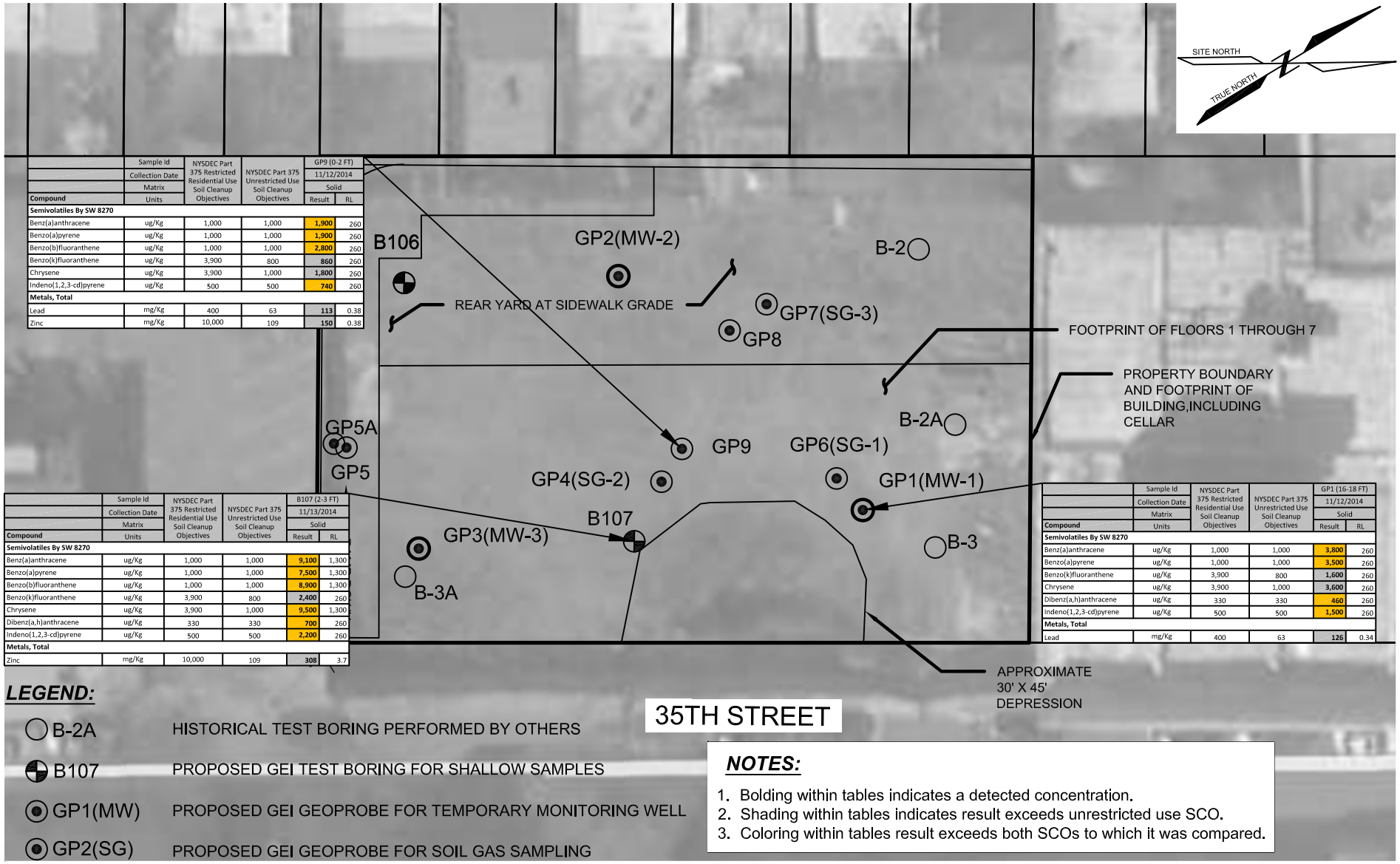
Project 141228-0

WATER TABLE MAP

December 2014

Fig. 4

\\mcl1v-fs01\ \\mcl1v-fs01\Data\Tech\Projects\2014\141228-0 Volmar-34-22 35th Street\DWGS-GEI\DRAWINGS\1412280-01.4 Exploration Location Plan_Env_JC.dwg - 12/1/2014



Compound	Sample Id / Collection Date / Matrix / Units	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	GP9 (0-2 FT) 11/12/2014 Solid Result	RL
Semivolatiles By SW 8270					
Benz(a)anthracene	ug/Kg	1,000	1,000	**1,900**	260
Benzo(a)pyrene	ug/Kg	1,000	1,000	**1,900**	260
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	**2,800**	260
Benzo(k)fluoranthene	ug/Kg	3,900	800	**860**	260
Chrysene	ug/Kg	3,900	1,000	**1,800**	260
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	**740**	260
Metals, Total					
Lead	mg/Kg	400	63	**113**	0.38
Zinc	mg/Kg	10,000	109	**150**	0.38

Compound	Sample Id / Collection Date / Matrix / Units	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	B107 (2-3 FT) 11/13/2014 Solid Result	RL
Semivolatiles By SW 8270					
Benz(a)anthracene	ug/Kg	1,000	1,000	**9,100**	1,300
Benzo(a)pyrene	ug/Kg	1,000	1,000	**7,500**	1,300
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	**8,900**	1,300
Benzo(k)fluoranthene	ug/Kg	3,900	800	**2,400**	260
Chrysene	ug/Kg	3,900	1,000	**9,500**	1,300
Dibenz(a,h)anthracene	ug/Kg	330	330	**700**	260
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	**2,200**	260
Metals, Total					
Zinc	mg/Kg	10,000	109	**308**	3.7

Compound	Sample Id / Collection Date / Matrix / Units	NYSDEC Part 375 Restricted Residential Use Soil Cleanup Objectives	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	GP1 (16-18 FT) 11/12/2014 Solid Result	RL
Semivolatiles By SW 8270					
Benz(a)anthracene	ug/Kg	1,000	1,000	**3,800**	260
Benzo(a)pyrene	ug/Kg	1,000	1,000	**3,500**	260
Benzo(k)fluoranthene	ug/Kg	3,900	800	**1,600**	260
Chrysene	ug/Kg	3,900	1,000	**3,600**	260
Dibenz(a,h)anthracene	ug/Kg	330	330	**460**	260
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	**1,500**	260
Metals, Total					
Lead	mg/Kg	400	63	**126**	0.34

LEGEND:

- B-2A — HISTORICAL TEST BORING PERFORMED BY OTHERS
- B107 — PROPOSED GEI TEST BORING FOR SHALLOW SAMPLES
- GP1(MW) — PROPOSED GEI GEOPROBE FOR TEMPORARY MONITORING WELL
- GP2(SG) — PROPOSED GEI GEOPROBE FOR SOIL GAS SAMPLING

NOTES:

1. Bolding within tables indicates a detected concentration.
2. Shading within tables indicates result exceeds unrestricted use SCO.
3. Coloring within tables result exceeds both SCOs to which it was compared.

0 30' 60'

SCALE: 1" = 30'

7-Story Mixed-Use Development
34-22 35th Street
Queens, New York

Volmar Construction, Inc.
Brooklyn, New York

GEI Consultants

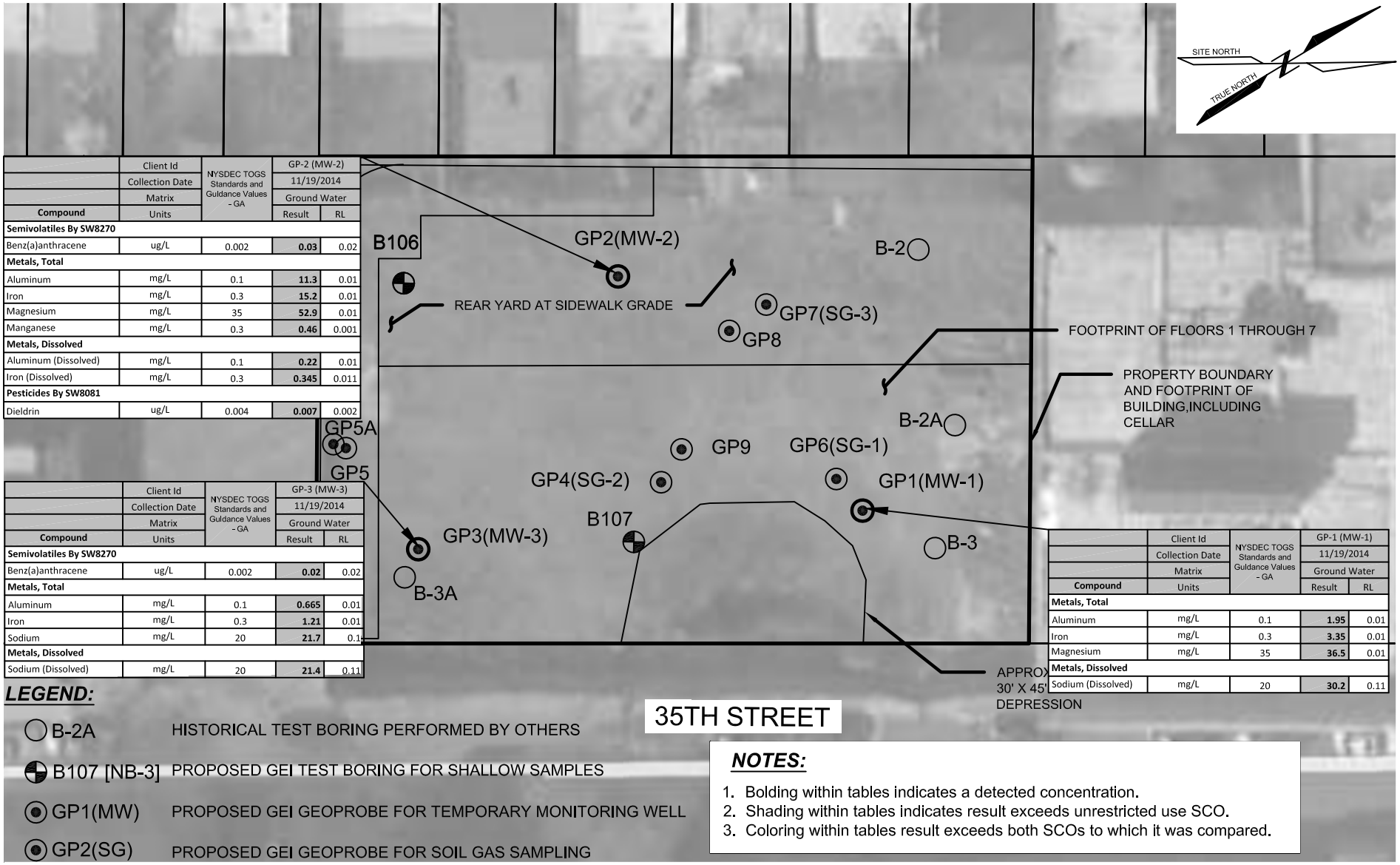
Project 141228-0

SOIL EXCEEDANCES MAP

December 2014

Fig. 5

\\mcl1v-fs01\ \\mcl1v-fs01\Data\Tech\Projects\2014\141228-0 Volmar-34-22 35th Street\DWGS-GEI\DRAWINGS\1412280-01.4 Exploration Location Plan_Env_JC.dwg - 12/1/2014



	Client Id	NYSDEC TOGS Standards and Guidance Values - GA	GP-2 (MW-2)	
	Collection Date		11/19/2014	
	Matrix		Ground Water	
Compound	Units		Result	RL
Semivolatiles By SW8270				
Benz(a)anthracene	ug/L	0.002	**0.03**	0.02
Metals, Total				
Aluminum	mg/L	0.1	**11.3**	0.01
Iron	mg/L	0.3	**15.2**	0.01
Magnesium	mg/L	35	**52.9**	0.01
Manganese	mg/L	0.3	**0.46**	0.001
Metals, Dissolved				
Aluminum (Dissolved)	mg/L	0.1	**0.22**	0.01
Iron (Dissolved)	mg/L	0.3	**0.345**	0.011
Pesticides By SW8081				
Dieldrin	ug/L	0.004	**0.007**	0.002

	Client Id	NYSDEC TOGS Standards and Guidance Values - GA	GP-3 (MW-3)	
	Collection Date		11/19/2014	
	Matrix		Ground Water	
Compound	Units		Result	RL
Semivolatiles By SW8270				
Benz(a)anthracene	ug/L	0.002	**0.02**	0.02
Metals, Total				
Aluminum	mg/L	0.1	**0.665**	0.01
Iron	mg/L	0.3	**1.21**	0.01
Sodium	mg/L	20	**21.7**	0.1
Metals, Dissolved				
Sodium (Dissolved)	mg/L	20	**21.4**	0.11

	Client Id	NYSDEC TOGS Standards and Guidance Values - GA	GP-1 (MW-1)	
	Collection Date		11/19/2014	
	Matrix		Ground Water	
Compound	Units		Result	RL
Metals, Total				
Aluminum	mg/L	0.1	**1.95**	0.01
Iron	mg/L	0.3	**3.35**	0.01
Magnesium	mg/L	35	**36.5**	0.01
Metals, Dissolved				
Sodium (Dissolved)	mg/L	20	**30.2**	0.11

LEGEND:

- B-2A — HISTORICAL TEST BORING PERFORMED BY OTHERS
- B107 [NB-3] — PROPOSED GEI TEST BORING FOR SHALLOW SAMPLES
- GP1(MW) — PROPOSED GEI GEOPROBE FOR TEMPORARY MONITORING WELL
- GP2(SG) — PROPOSED GEI GEOPROBE FOR SOIL GAS SAMPLING

NOTES:

1. Bolding within tables indicates a detected concentration.
2. Shading within tables indicates result exceeds unrestricted use SCO.
3. Coloring within tables result exceeds both SCOs to which it was compared.

0 30' 60'

SCALE: 1" = 30'

7-Story Mixed-Use Development
34-22 35th Street
Queens, New York

Volmar Construction, Inc.
Brooklyn, New York

GEI Consultants

Project 141228-0

GROUNDWATER EXCEEDANCES MAP

November 2014

Fig. 6

\\mcl1v-fs01\ \\mcl1v-fs01\Data\Tech\Projects\2014\141228-0 Volmar-34-22 35th Street\DWGS-GEI\DRAWINGS\1412280-01.4 Exploration Location Plan_Env_JC.dwg - 12/1/2014

Tables

Table 1 - Groundwater Level Measurements and Calculated Groundwater Elevations

Phase II Investigation
34-22 35th Street
Queens, New York

Well No.	Location[1]		Approximate Ground Surface Elevation[2] (feet)	Screen Interval		Depth of Boring (feet)	Date of Well Installation	Water Level Reading	
	Northing (feet)	Easting (feet)		Top Depth (feet)	Bottom Depth (feet)			Depth (feet)	Elevation (feet)
GP1(MW-1)	215,355	1,005,131	38.04	17.5	27.5	28.0	11/19/2014	20.7	17.3
GP2(MW-2)	215,337	1,005,062	38.86	27.5	27.5	28.0	11/19/2014	21.7	17.1
GP3(MW-3)	215,271	1,005,089	38.78	27.5	27.5	28.0	11/19/2014	21.5	17.3

Notes:

1. Coordinates for boring locations were obtained using a GPS device with sub-meter accuracy and are referenced to New York State Plane Coordinate System, Long Island Zone (NAD83)
2. Ground surface elevations are estimated using an optical level and survey rod on a previously established benchmark using the Queens Borough Datum

Table 2. Soil Sample Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

	Sample Id	NYSDEC Part 375		GP1 (1-3 FT)		GP1 (16-18 FT)		GP5A (1-3 FT)		GP5 (16-18 FT)		GP8 (0-2 FT)		GP8 (16-18 FT)		GP9 (0-2 FT)		GP9 (20-22 FT)		B106 (2-4 FT)		B107 (2-3 FT)		DUP GP5a (1-3 FT	
	Collection Date	Restricted	NYSDEC Part 375	11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/12/2014		11/12/2014		11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/13/2014	
	Matrix	Residential Use	Unrestricted Use Soil	Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Compound	Units	Soil Cleanup	Cleanup Objectives	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260																									
1,1,1,2-Tetrachloroethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1,1-Trichloroethane	ug/Kg	100,000	680	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1,2,2-Tetrachloroethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1,2-Trichloroethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1-Dichloroethane	ug/Kg	26,000	270	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1-Dichloroethene	ug/Kg	100,000	330	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,1-Dichloropropene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2,3-Trichlorobenzene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2,3-Trichloropropane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2,4-Trichlorobenzene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2,4-Trimethylbenzene	ug/Kg	52,000	3,600	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2-Dibromo-3-chloropropane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2-Dibromoethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2-Dichlorobenzene	ug/Kg	100,000	1,100	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2-Dichloroethane	ug/Kg	3,100	20	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,2-Dichloropropane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,3,5-Trimethylbenzene	ug/Kg	52,000	8,400	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,3-Dichlorobenzene	ug/Kg	49,000	2,400	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,3-Dichloropropane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
1,4-Dichlorobenzene	ug/Kg	13,000	1,800	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
2,2-Dichloropropane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
2-Chlorotoluene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
2-Hexanone	ug/Kg	NE	NE	< 31	31	< 28	28	< 28	28	< 25	25	< 27	27	< 32	32	< 28	28	< 30	30	< 26	26	< 28	28	< 28	28
2-Isopropyltoluene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
4-Chlorotoluene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
4-Methyl-2-pentanone	ug/Kg	NE	NE	< 31	31	< 28	28	< 28	28	< 25	25	< 27	27	< 32	32	< 28	28	< 30	30	< 26	26	< 28	28	< 28	28
Acetone	ug/Kg	100,000	50	< 31	31	< 28	28	< 28	28	< 25	25	< 27	27	< 32	32	< 28	28	< 30	30	< 26	26	< 28	28	< 28	28
Acrylonitrile	ug/Kg	NE	NE	< 12	12	< 11	11	< 11	11	< 10	10	< 11	11	< 13	13	< 11	11	< 12	12	< 11	11	< 11	11	< 11	11
Benzene	ug/Kg	4,800	60	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Bromobenzene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Bromochloromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Bromodichloromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Bromoform	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Bromomethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Carbon Disulfide	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Carbon tetrachloride	ug/Kg	2,400	760	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Chlorobenzene	ug/Kg	100,000	1,100	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Chloroethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Chloroform	ug/Kg	49,000	370	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Chloromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
cis-1,2-Dichloroethene	ug/Kg	100,000	250	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
cis-1,3-Dichloropropene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Dibromochloromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Dibromomethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Dichlorodifluoromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Ethylbenzene	ug/Kg	41,000	1,000	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Hexachlorobutadiene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Isopropylbenzene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
m&p-Xylene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Methyl Ethyl Ketone	ug/Kg	100,000	120	< 31	31	< 28	28	< 28	28	< 25	25	< 27	27	< 32	32	< 28	28	< 30	30	< 26	26	< 28	28	< 28	28
Methyl t-butyl ether (MTBE)	ug/Kg	100,000	930	< 12	12	< 11	11	< 11	11	< 10	10	< 11	11	< 13	13	< 11	11	< 12	12	< 11	11	< 11	11	< 11	11
Methylene chloride	ug/Kg	100,000	50	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Naphthalene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
n-Butylbenzene	ug/Kg	100,000	12,000	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
n-Propylbenzene	ug/Kg	100,000	3,900	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6

Table 2. Soil Sample Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

	Sample Id	NYSDEC Part 375		GP1 (1-3 FT)		GP1 (16-18 FT)		GP5A (1-3 FT)		GP5 (16-18 FT)		GP8 (0-2 FT)		GP8 (16-18 FT)		GP9 (0-2 FT)		GP9 (20-22 FT)		B106 (2-4 FT)		B107 (2-3 FT)		DUP GP5a (1-3 FT	
	Collection Date	Restricted	NYSDEC Part 375	11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/12/2014		11/12/2014		11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/13/2014	
	Matrix	Residential Use	Unrestricted Use Soil	Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Compound	Units	Soil Cleanup	Cleanup Objectives	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
o-Xylene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
p-Isopropyltoluene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
sec-Butylbenzene	ug/Kg	100,000	11,000	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Styrene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
tert-Butylbenzene	ug/Kg	100,000	5,900	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Tetrachloroethene	ug/Kg	19,000	1,300	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Tetrahydrofuran (THF)	ug/Kg	NE	NE	< 12	12	< 11	11	< 11	11	< 10	10	< 11	11	< 13	13	< 11	11	< 12	12	< 11	11	< 11	11	< 11	11
Toluene	ug/Kg	100,000	700	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Total Xylenes	ug/Kg	100,000	260	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
trans-1,2-Dichloroethene	ug/Kg	100,000	190	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
trans-1,3-Dichloropropene	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
trans-1,4-dichloro-2-butene	ug/Kg	NE	NE	< 12	12	< 11	11	< 11	11	< 10	10	< 11	11	< 13	13	< 11	11	< 12	12	< 11	11	< 11	11	< 11	11
Trichloroethene	ug/Kg	21,000	470	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Trichlorofluoromethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Trichlorotrifluoroethane	ug/Kg	NE	NE	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Vinyl chloride	ug/Kg	900	20	< 6.2	6.2	< 5.6	5.6	< 5.6	5.6	< 5.1	5.1	< 5.5	5.5	< 6.5	6.5	< 5.7	5.7	< 6.1	6.1	< 5.3	5.3	< 5.6	5.6	< 5.6	5.6
Semivolatiles By SW 8270																									
1,2,4,5-Tetrachlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
1,2,4-Trichlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
1,2-Dichlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
1,2-Diphenylhydrazine	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
1,3-Dichlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
1,4-Dichlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,4,5-Trichlorophenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,4,6-Trichlorophenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,4-Dichlorophenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,4-Dimethylphenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,4-Dinitrophenol	ug/Kg	NE	NE	< 650	650	< 590	590	< 580	580	< 530	530	< 580	580	< 680	680	< 600	600	< 650	650	< 550	550	< 590	590	< 600	600
2,4-Dinitrotoluene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2,6-Dinitrotoluene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2-Chloronaphthalene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2-Chlorophenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2-Methylnaphthalene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**480**	260	< 260	260
2-Methylphenol (o-cresol)	ug/Kg	100,000	330	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
2-Nitroaniline	ug/Kg	NE	NE	< 650	650	< 590	590	< 580	580	< 530	530	< 580	580	< 680	680	< 600	600	< 650	650	< 550	550	< 590	590	< 600	600
2-Nitrophenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
3&4-Methylphenol (m&p-cresol)	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
3,3'-Dichlorobenzidine	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
3-Nitroaniline	ug/Kg	NE	NE	< 650	650	< 590	590	< 580	580	< 530	530	< 580	580	< 680	680	< 600	600	< 650	650	< 550	550	< 590	590	< 600	600
4,6-Dinitro-2-methylphenol	ug/Kg	NE	NE	< 1200	1,200	< 1100	1,100	< 1000	1,000	< 950	950	< 1000	1,000	< 1200	1,200	< 1100	1,100	< 1200	1,200	< 990	990	< 1100	1,100	< 1100	1,100
4-Bromophenyl phenyl ether	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
4-Chloro-3-methylphenol	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
4-Chloroaniline	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
4-Chlorophenyl phenyl ether	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
4-Nitroaniline	ug/Kg	NE	NE	< 650	650	< 590	590	< 580	580	< 530	530	< 580	580	< 680	680	< 600	600	< 650	650	< 550	550	< 590	590	< 600	600
4-Nitrophenol	ug/Kg	NE	NE	< 1200	1,200	< 1100	1,100	< 1000	1,000	< 950	950	< 1000	1,000	< 1200	1,200	< 1100	1,100	< 1200	1,200	< 990	990	< 1100	1,100	< 1100	1,100
Acenaphthene	ug/Kg	100,000	20,000	< 280	280	**350**	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**1,300**	260	< 260	260
Acenaphthylene	ug/Kg	100,000	100,000	< 280	280	**440**	260	< 250	250	< 230	230	< 250	250	< 300	300	**290**	260	< 280	280	< 240	240	**330**	260	< 260	260
Acetophenone	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Aniline	ug/Kg	100,000	NE	< 1200	1,200	< 1100	1,100	< 1000	1,000	< 950	950	< 1000	1,000	< 1200	1,200	< 1100	1,100	< 1200	1,200	< 990	990	< 1100	1,100	< 1100	1,100
Anthracene	ug/Kg	100,000	100,000	< 280	280	**1,100**	260	< 250	250	< 230	230	< 250	250	< 300	300	**270**	260	< 280	280	< 240	240	**2,900**	260	< 260	260
Benz(a)anthracene	ug/Kg	1,000	1,000	< 280	280	**3,800**	260	< 250	250	< 230	230	< 250	250	< 300	300	**1,900**	260	< 280	280	< 240	240	**9,100**	1,300	< 260	260
Benzidine	ug/Kg	NE	NE	< 490	490	< 440	440	< 430	430	< 390	390	< 430	430	< 510	510	< 450	450	< 490	490	< 410	410	< 440	440	< 450	450
Benzo(a)pyrene	ug/Kg	1,000	1,000	< 280	280	**3,500**	260	< 250	250	< 230	230	< 250	250	< 300	300	**1,900**	260	< 280	280	< 240	240	**7,500**	1,300	< 260	260
Benzo(b)fluoranthene	ug/Kg	1,000	1,000	< 280	280	**4,700**	260	< 250	250	< 230	230	< 250	250	< 300	300	**2,800**	260	< 280	280	< 240	240	**8,900**	1,300	< 260	260
Benzo(ghi)perylene	ug/Kg	100,000	100,000	< 280	280	**1,500**	260	< 250	250	< 230	230	< 250	250	< 300	300	**700**	260	< 280	280	< 240	240	**2,100**	260	< 260	260
Benzo(k)fluoranthene	ug/Kg	3,900	800	< 280	280	**1,600**	260	< 250	250	< 230	230	< 250	250	< 300	300	**860**	260	< 280	280	< 240	240	**2,400**	260	< 260	260

Table 2. Soil Sample Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

	Sample Id	NYSDEC Part 375		GP1 (1-3 FT)		GP1 (16-18 FT)		GP5A (1-3 FT)		GP5 (16-18 FT)		GP8 (0-2 FT)		GP8 (16-18 FT)		GP9 (0-2 FT)		GP9 (20-22 FT)		B106 (2-4 FT)		B107 (2-3 FT)		DUP GP5a (1-3 FT	
	Collection Date	Restricted	NYSDEC Part 375	11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/12/2014		11/12/2014		11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/13/2014	
	Matrix	Residential Use	Unrestricted Use Soil	Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Compound	Units	Soil Cleanup	Cleanup Objectives	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Benzoic acid	ug/Kg	NE	NE	< 1200	1,200	< 1100	1,100	< 1000	1,000	< 950	950	< 1000	1,000	< 1200	1,200	< 1100	1,100	< 1200	1,200	< 990	990	< 1100	1,100	< 1100	1,100
Benzyl butyl phthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Bis(2-chloroethoxy)methane	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Bis(2-chloroethyl)ether	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
Bis(2-chloroisopropyl)ether	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Bis(2-ethylhexyl)phthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Carbazole	ug/Kg	NE	NE	< 610	610	**770**	550	< 540	540	< 490	490	< 540	540	< 640	640	< 560	560	< 610	610	< 510	510	**1,700**	550	< 560	560
Chrysene	ug/Kg	3,900	1,000	< 280	280	**3,600**	260	< 250	250	< 230	230	< 250	250	< 300	300	**1,800**	260	< 280	280	< 240	240	**9,500**	1,300	< 260	260
Dibenz(a,h)anthracene	ug/Kg	330	330	< 280	280	**460**	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**700**	260	< 260	260
Dibenzofuran	ug/Kg	NE	7,000	< 280	280	**260**	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**640**	260	< 260	260
Diethyl phthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Dimethylphthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Di-n-butylphthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Di-n-octylphthalate	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Fluoranthene	ug/Kg	100,000	100,000	< 280	280	**5,800**	510	< 250	250	< 230	230	< 250	250	< 300	300	**3,500**	260	< 280	280	< 240	240	**18,000**	1,300	< 260	260
Fluorene	ug/Kg	100,000	30,000	< 280	280	**320**	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**1,100**	260	< 260	260
Hexachlorobenzene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Hexachlorobutadiene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Hexachlorocyclopentadiene	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Hexachloroethane	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Indeno(1,2,3-cd)pyrene	ug/Kg	500	500	< 280	280	**1,500**	260	< 250	250	< 230	230	< 250	250	< 300	300	**740**	260	< 280	280	< 240	240	**2,200**	260	< 260	260
Isophorone	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Naphthalene	ug/Kg	100,000	12,000	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	**680**	260	< 260	260
Nitrobenzene	ug/Kg	15,000	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
N-Nitrosodimethylamine	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
N-Nitrosodi-n-propylamine	ug/Kg	NE	NE	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
N-Nitrosodiphenylamine	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
Pentachloronitrobenzene	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
Pentachlorophenol	ug/Kg	6,700	800	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
Phenanthrene	ug/Kg	100,000	100,000	< 280	280	**4,500**	260	< 250	250	< 230	230	< 250	250	< 300	300	**1,100**	260	< 280	**280**	< 240	240	**17,000**	1,300	< 260	260
Phenol	ug/Kg	100,000	330	< 280	280	< 260	260	< 250	250	< 230	230	< 250	250	< 300	300	< 260	260	< 280	280	< 240	240	< 260	260	< 260	260
Pyrene	ug/Kg	100,000	100,000	< 280	280	**5,600**	510	< 250	250	< 230	230	< 250	250	< 300	300	**3,200**	260	< 280	280	< 240	240	**19,000**	1,300	< 260	260
Pyridine	ug/Kg	NE	NE	< 410	410	< 370	370	< 360	360	< 330	330	< 360	360	< 430	430	< 370	370	< 400	400	< 340	340	< 370	370	< 370	370
Metals, Total																									
Aluminum	mg/Kg	NE	NE	**7,460**	62	**11,300**	51	**11,000**	53	**2,610**	46	**14,700**	50	**11,400**	59	**11,000**	57	**4,670**	56	**5,560**	51	**13,100**	56	**14,100**	60
Antimony	mg/Kg	NE	NE	< 4.1	4.1	< 3.4	3.4	< 3.5	3.5	< 3.1	3.1	< 3.4	3.4	< 4.0	4	< 3.8	3.8	< 3.7	3.7	< 3.4	3.4	< 3.7	3.7	< 4.0	4
Arsenic	mg/Kg	16	13	< 0.8	0.8	**4.3**	0.7	**1.9**	0.7	< 0.6	0.6	**2.3**	0.7	**1.5**	0.8	**4.5**	0.8	< 0.7	0.7	< 0.7	0.7	**5.8**	0.7	**2.6**	0.8
Barium	mg/Kg	400	350	**63.3**	0.41	**70.4**	0.34	**35.4**	0.35	**36.9**	0.31	**64.7**	0.34	**113**	0.4	**82.7**	0.38	**36.5**	0.37	**21.1**	0.34	**167**	0.37	**32.8**	0.4
Beryllium	mg/Kg	72	7.2	< 0.33	0.33	**0.4**	0.27	**0.35**	0.28	< 0.25	0.25	**0.53**	0.27	**0.5**	0.32	**0.41**	0.3	< 0.30	0.3	< 0.27	0.27	**0.47**	0.3	**0.44**	0.32
Cadmium	mg/Kg	4.3	2.5	< 0.41	0.41	< 0.34	0.34	< 0.35	0.35	< 0.31	0.31	< 0.34	0.34	< 0.40	0.4	**0.53**	0.38	< 0.37	0.37	< 0.34	0.34	**0.53**	0.37	< 0.40	0.4
Calcium	mg/Kg	NE	NE	**21,400**	62	**6,670**	5.1	**772**	5.3	**23,600**	46	**1,250**	5	**27,300**	59	**20,400**	57	**38,800**	56	**898**	5.1	**3,190**	5.6	**745**	6
Chromium	mg/Kg	NE	30	**17.6**	0.41	**19.2**	0.34	**18.5**	0.35	**4.48**	0.31	**28.5**	0.34	**28.4**	0.4	**21.8**	0.38	**10.9**	0.37	**12.8**	0.34	**20.1**	0.37	**21.3**	0.4
Cobalt	mg/Kg	NE	NE	**8.44**	0.41	**7.14**	0.34	**7.39**	0.35	**3.26**	0.31	**9.37**	0.34	**12.5**	0.4	**7.77**	0.38	**5.63**	0.37	**5.37**	0.34	**7.49**	0.37	**8.86**	0.4
Copper	mg/Kg	270	50	**17.3**	0.41	**44.9**	0.34	**8.04**	0.35	**6.84**	0.31	**20.9**	0.34	**28.8**	0.4	**39.5**	0.38	**12.5**	0.37	**10.4**	0.34	**47.8**	0.37	**9.92**	0.4
Iron	mg/Kg	NE	NE	**14,200**	62	**16,800**	51	**14,100**	53	**4,960**	4.6	**19,300**	50	**21,600**	59	**22,000**	57	**9,600**	56	**9,260**	51	**19,100**	56	**17,300**	60
Lead	mg/Kg	400	63	**3.01**	0.41	**126**	0.34	**7.33**	0.35	**1.5**	0.31	**33.1**	0.34	**5.42**	0.4	**113**	0.38	**2.28**	0.37	**2.27**	0.34	**640**	3.7	**5.72**	0.4
Magnesium	mg/Kg	NE	NE	**13,600**	62	**2,880**	5.1	**2,520**	5.3	**14,600**	46	**3,620**	5	**17,900**	59	**5,920**	57	**19,600**	56	**3,100**	5.1	**2,710**	5.6	**3,260**	6
Manganese	mg/Kg	2000	1,600	**261**	4.1	**393**	3.4	**270**	3.5	**333**	3.1	**459**	3.4	**387**	4	**356**	3.8	**185**	3.7	**230**	3.4	**381**	3.7	**291**	4
Mercury	mg/Kg	0.81	0.18	< 0.08	0.08	**0.18**	0.07	< 0.06	0.06	< 0.07	0.07	**0.1**	0.08	< 0.07	0.07	**0.14**	0.09	< 0.08	0.08	< 0.06	0.06	**0.72**	0.07	< 0.07	0.07
Nickel	mg/Kg	310	30	**15.4**	0.41	**13.2**	0.34	**11**	0.35	**5.34**	0.31	**15.2**	0.34	**22.5**	0.4	**14.8**	0.38	**10.1**	0.37	**9.44**	0.34	**14.3**	0.37	**14.7**	0.4
Potassium	mg/Kg	NE	NE	**2,580**	6.2	**990**	5.1	**729**	5.3	**549**	4.6	**923**	5	**3,770**	59	**1,180**	5.7	**1,460**	5.6	**772**	5.1	**968**	5.6	**1,400**	6
Selenium	mg/Kg	180	3.9	< 1.6	1.6	< 1.4	1.4	< 1.4	1.4	< 1.2	1.2	< 1.3	1.3	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.6	1.6
Silver	mg/Kg	180	2	< 0.41	0.41	< 0.34	0.34	< 0.35	0.35	< 0.31	0.31	< 0.34	0.34	< 0.40	0.4	< 0.38	0.38	< 0.37	0.37	< 0.34	0.34	< 0.37	0.37	< 0.40	0.4
Sodium	mg/Kg	NE	NE	**381**	6.2	**117**	5.1	**55.6**	5.3	**114**	4.6	**95.8**	5	**361**	5.9	**154**	5.7	**206**	5.6	**54.8**	5.1	**83.5**	5.6	**70**	6
Thallium	mg/Kg	NE	NE	< 3.7	3.7	< 3.1	3.1	< 3.2	3.2	< 2.8	2.8	< 3.0	3	< 3.6	3.6	< 3.4	3.4	< 3.3	3.3	< 3.1	3.1	< 3.4	3.4	< 3.6	3.6
Vanadium	mg/Kg	NE	NE	**25.1**	0.41	**25.4**	0.34	**24.7**	0.35	**7.62**	0.31	**34.4**	0.34	**38.4**	0.4	**29.5**	0.38	**17.8**	0.37	**16.2**	0.34	**25**	0.37	**30.1**	0.4
Zinc	mg/Kg	10,000	109	**46.2**	0.41	**108**	0.34	**30**	0.35	**11.5**	0.31	**46.6**	0.34	**67.4**	0.4	**150**	0.38	**30.2**	0.37	**23.6**	0.34	**308**	3.7	**29.6**	0.4

Table 2. Soil Sample Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

	Sample Id	NYSDEC Part 375		GP1 (1-3 FT)		GP1 (16-18 FT)		GP5A (1-3 FT)		GP5 (16-18 FT)		GP8 (0-2 FT)		GP8 (16-18 FT)		GP9 (0-2 FT)		GP9 (20-22 FT)		B106 (2-4 FT)		B107 (2-3 FT)		DUP GP5a (1-3 FT	
	Collection Date	Restricted	NYSDEC Part 375	11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/12/2014		11/12/2014		11/12/2014		11/12/2014		11/13/2014		11/13/2014		11/13/2014	
	Matrix	Residential Use	Unrestricted Use Soil	Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid		Solid	
Compound	Units	Soil Cleanup	Cleanup Objectives	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PCBs By SW 8082																									
PCB-1016	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1221	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1232	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1242	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1248	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1254	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1260	ug/Kg	NE	100	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1262	ug/Kg	NE	NE	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
PCB-1268	ug/Kg	NE	NE	< 80	80	< 73	73	< 73	73	< 66	66	< 72	72	< 85	85	< 75	75	< 80	80	< 70	70	< 75	75	< 73	73
Pesticides - Soil By SW8081																									
4,4' -DDD	ug/Kg	13,000	3.3	< 2.4	2.4	< 2.2	2.2	< 2.2	2.2	< 2.0	2	< 2.2	2.2	< 2.6	2.6	< 2.3	2.3	< 2.4	2.4	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2
4,4' -DDE	ug/Kg	8,900	3.3	< 2.4	2.4	< 2.2	2.2	< 2.2	2.2	< 2.0	2	< 2.2	2.2	< 2.6	2.6	< 5.5	5.5	< 2.4	2.4	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2
4,4' -DDT	ug/Kg	7,900	3.3	< 2.4	2.4	< 5.0	5	< 2.2	2.2	< 2.0	2	< 2.2	2.2	< 2.6	2.6	< 5.0	5	< 2.4	2.4	< 2.1	2.1	< 2.2	2.2	< 2.2	2.2
a-BHC	ug/Kg	480	20	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
a-Chlordane	ug/Kg	4,200	94	< 4.0	4	< 3.7	3.7	< 3.6	3.6	< 3.3	3.3	< 3.6	3.6	< 4.3	4.3	< 3.8	3.8	< 4.0	4	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6
Aldrin	ug/Kg	97	5	< 4.0	4	< 3.7	3.7	< 3.6	3.6	< 3.3	3.3	< 3.6	3.6	< 4.3	4.3	< 3.8	3.8	< 4.0	4	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6
b-BHC	ug/Kg	360	36	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Chlordane	ug/Kg	NE	NE	< 40	40	< 37	37	< 36	36	< 33	33	< 36	36	< 43	43	< 38	38	< 40	40	< 35	35	< 37	37	< 36	36
d-BHC	ug/Kg	100,000	40	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Dieldrin	ug/Kg	200	5	< 4.0	4	< 3.7	3.7	< 3.6	3.6	< 3.3	3.3	< 3.6	3.6	< 4.3	4.3	< 3.8	3.8	< 4.0	4	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6
Endosulfan I	ug/Kg	24,000	2,400	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Endosulfan II	ug/Kg	24,000	2,400	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Endosulfan sulfate	ug/Kg	24,000	2,400	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Endrin	ug/Kg	11,000	14	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Endrin aldehyde	ug/Kg	NE	NE	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Endrin ketone	ug/Kg	NE	NE	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
g-BHC	ug/Kg	1,300	100	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3	< 1.4	1.4	< 1.7	1.7	< 1.5	1.5	< 1.6	1.6	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5
g-Chlordane	ug/Kg	NE	NE	< 4.0	4	< 3.7	3.7	< 3.6	3.6	< 3.3	3.3	< 3.6	3.6	< 4.3	4.3	< 3.8	3.8	< 4.0	4	< 3.5	3.5	< 3.7	3.7	< 3.6	3.6
Heptachlor	ug/Kg	2,100	42	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Heptachlor epoxide	ug/Kg	NE	NE	< 8.0	8	< 7.3	7.3	< 7.3	7.3	< 6.6	6.6	< 7.2	7.2	< 8.5	8.5	< 7.5	7.5	< 8.0	8	< 7.0	7	< 7.5	7.5	< 7.3	7.3
Methoxychlor	ug/Kg	NE	NE	< 40	40	< 37	37	< 36	36	< 33	33	< 36	36	< 43	43	< 38	38	< 40	40	< 35	35	< 37	37	< 36	36
Toxaphene	ug/Kg	NE	NE	< 160	160	< 150	150	< 150	150	< 130	130	< 140	140	< 170	170	< 150	150	< 160	160	< 140	140	< 150	150	< 150	150
Miscellaneous/Inorganics																									
Total Cyanide	mg/Kg	27	27	< 0.56	0.56	**0.54**	0.51	< 0.51	0.51	< 0.51	0.51	< 0.55	0.55	< 0.65	0.65	< 0.57	0.57	< 0.61	0.61	< 0.48	0.48	< 0.56	0.56	< 0.51	0.51
Percent Solid	%	NE	NE	81		90		90		99		91		77		88		82		95		89		89	

Notes:
NE: Not established
Bolding indicates a detected concentration
Shading Indicates Result Exceeds Unrestricted Use SCO
Coloring Indicates Result Exceeds Both SCOs

Table 3. Groundwater Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

Compound	Sample Id Collection Date Matrix Units	NYSDEC TOGS Standards and Guidance Values - GA	GP-1 (MW-1) 11/19/2014 Ground Water		GP-2 (MW-2) 11/19/2014 Ground Water		GP-3 (MW-3) 11/19/2014 Ground Water		GP-FIELD BLANK 11/19/2014 Ground Water		TRIP BLANK 11/19/2014 Ground Water		DUP GP-1 (MW-1) 11/19/2014 Ground Water	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260														
1,1,1,2-Tetrachloroethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,1-Trichloroethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1,2,2-Tetrachloroethane	ug/L	5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
1,1,2-Trichloroethane	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloroethene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,1-Dichloropropene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichlorobenzene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,3-Trichloropropane	ug/L	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trichlorobenzene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2,4-Trimethylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromo-3-chloropropane	ug/L	0.04	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dibromoethane	ug/L	0.0006	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichlorobenzene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,2-Dichloroethane	ug/L	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6	< 0.60	0.6
1,2-Dichloropropane	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3,5-Trimethylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichlorobenzene	ug/L	3	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,3-Dichloropropane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
1,4-Dichlorobenzene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2,2-Dichloropropane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Chlorotoluene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
2-Hexanone	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
2-Isopropyltoluene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Chlorotoluene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
4-Methyl-2-pentanone	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Acetone	ug/L	50	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25	< 25	25
Acrylonitrile	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Benzene	ug/L	1	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7	< 0.70	0.7
Bromobenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromochloromethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromodichloromethane	ug/L	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Bromoform	ug/L	50	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Bromomethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Carbon Disulfide	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Carbon tetrachloride	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chlorobenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloroform	ug/L	7	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Chloromethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,2-Dichloroethene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
cis-1,3-Dichloropropene	ug/L	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Dibromochloromethane	ug/L	50	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5	< 0.50	0.5
Dibromomethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Dichlorodifluoromethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Ethylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Hexachlorobutadiene	ug/L	0.5	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
Isopropylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
m&p-Xylene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methyl ethyl ketone	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Methyl t-butyl ether (MTBE)	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Methylene chloride	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Naphthalene	ug/L	10	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Butylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
n-Propylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
o-Xylene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
p-Isopropyltoluene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
sec-Butylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Styrene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
tert-Butylbenzene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrachloroethene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Tetrahydrofuran (THF)	ug/L	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Toluene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Total Xylenes	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,2-Dichloroethene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
trans-1,3-Dichloropropene	ug/L	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4	< 0.40	0.4
trans-1,4-dichloro-2-butene	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5
Trichloroethene	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorofluoromethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Trichlorotrifluoroethane	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1
Vinyl chloride	ug/L	2	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1

Table 3. Groundwater Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

Compound	Sample Id Collection Date Matrix Units	NYSDEC TOGS Standards and Guidance Values - GA	GP-1 (MW-1) 11/19/2014 Ground Water		GP-2 (MW-2) 11/19/2014 Ground Water		GP-3 (MW-3) 11/19/2014 Ground Water		GP-FIELD BLANK 11/19/2014 Ground Water		TRIP BLANK 11/19/2014 Ground Water		DUP GP-1 (MW-1) 11/19/2014 Ground Water	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Semivolatiles By SW8270														
1,2,4,5-Tetrachlorobenzene	ug/L	NE	< 0.50	0.5	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	< 0.53	0.53
2-Methylnaphthalene	ug/L	NE	< 1.0	1	< 1.0	1	< 1.1	1.1	< 1.1	1.1	NA	NA	< 1.1	1.1
Acenaphthene	ug/L	20	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	NA	NA	< 0.05	0.05
Acenaphthylene	ug/L	NE	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	NA	NA	< 0.05	0.05
Anthracene	ug/L	50	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Benz(a)anthracene	ug/L	0.002	< 0.02	0.02	**0.03**	0.02	**0.02**	0.02	**0.02**	0.02	NA	NA	**0.02**	0.02
Benzo(a)pyrene	ug/L	NE	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Benzo(b)fluoranthene	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Benzo(ghi)perylene	ug/L	NE	< 0.50	0.5	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	< 0.53	0.53
Benzo(k)fluoranthene	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Bis(2-ethylhexyl)phthalate	ug/L	5	**1.7**	0.53	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	**1.1**	0.53
Chrysene	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Dibenz(a,h)anthracene	ug/L	NE	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	NA	NA	< 0.01	0.01
Fluoranthene	ug/L	50	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	NA	NA	< 0.04	0.04
Fluorene	ug/L	50	< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.11	0.11	NA	NA	< 0.11	0.11
Hexachlorobenzene	ug/L	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	NA	NA	< 0.04	0.04
Hexachlorobutadiene	ug/L	0.5	< 0.50	0.5	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	< 0.53	0.53
Hexachloroethane	ug/L	5	< 0.50	0.5	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	< 0.53	0.53
Indeno(1,2,3-cd)pyrene	ug/L	0.002	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Naphthalene	ug/L	10	**0.13**	0.11	**0.16**	0.1	< 0.11	0.11	< 0.11	0.11	NA	NA	**0.15**	0.11
Nitrobenzene	ug/L	0.4	< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.11	0.11	NA	NA	< 0.11	0.11
Pentachloronitrobenzene	ug/L	NE	< 0.10	0.1	< 0.10	0.1	< 0.11	0.11	< 0.11	0.11	NA	NA	< 0.11	0.11
Pentachlorophenol	ug/L	1	< 0.80	0.8	< 0.80	0.8	< 0.84	0.84	< 0.85	0.85	NA	NA	< 0.85	0.85
Phenanthrene	ug/L	50	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	< 0.05	0.05	NA	NA	< 0.05	0.05
Pyrene	ug/L	50	**0.03**	0.02	**0.03**	0.02	< 0.02	0.02	< 0.02	0.02	NA	NA	< 0.02	0.02
Pyridine	ug/L	50	< 0.50	0.5	< 0.50	0.5	< 0.53	0.53	< 0.53	0.53	NA	NA	< 0.53	0.53
1,2,4-Trichlorobenzene	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
1,2-Dichlorobenzene	ug/L	NE	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	NA	NA	< 2.5	2.5
1,2-Diphenylhydrazine	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
1,3-Dichlorobenzene	ug/L	3	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	NA	NA	< 2.5	2.5
1,4-Dichlorobenzene	ug/L	NE	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	NA	NA	< 2.5	2.5
2,4,5-Trichlorophenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2,4,6-Trichlorophenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2,4-Dichlorophenol	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2,4-Dimethylphenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2,4-Dinitrophenol	ug/L	5	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2,4-Dinitrotoluene	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
2,6-Dinitrotoluene	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
2-Chloronaphthalene	ug/L	10	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
2-Chlorophenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2-Methylphenol (o-cresol)	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
2-Nitroaniline	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
2-Nitrophenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
3&4-Methylphenol (m&p-cresol)	ug/L	NE	< 10	10	< 10	10	< 10	10	< 10	10	NA	NA	< 10	10
3,3'-Dichlorobenzidine	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
3-Nitroaniline	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
4,6-Dinitro-2-methylphenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
4-Bromophenyl phenyl ether	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
4-Chloro-3-methylphenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
4-Chloroaniline	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
4-Chlorophenyl phenyl ether	ug/L	NE	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
4-Nitroaniline	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
4-Nitrophenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
Acetophenone	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Aniline	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Benzidine	ug/L	5	< 5	5	< 5	5	< 5	5	< 5	5	NA	NA	< 5	5
Benzoic acid	ug/L	NE	< 50	50	< 50	50	< 50	50	< 50	50	NA	NA	< 50	50
Benzyl butyl phthalate	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Bis(2-chloroethoxy)methane	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Bis(2-chloroethyl)ether	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1
Bis(2-chloroisopropyl)ether	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Carbazole	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Dibenzofuran	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Diethyl phthalate	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Dimethylphthalate	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Di-n-butylphthalate	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Di-n-octylphthalate	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Hexachlorocyclopentadiene	ug/L	5	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Isophorone	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
N-Nitrosodimethylamine	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
N-Nitrosodi-n-propylamine	ug/L	NE	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
N-Nitrosodiphenylamine	ug/L	50	< 5.0	5	< 5.0	5	< 5.0	5	< 5.0	5	NA	NA	< 5.0	5
Phenol	ug/L	1	< 1.0	1	< 1.0	1	< 1.0	1	< 1.0	1	NA	NA	< 1.0	1

Table 3. Groundwater Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

Compound	Sample Id Collection Date Matrix Units	NYSDEC TOGS Standards and Guidance Values - GA	GP-1 (MW-1) 11/19/2014 Ground Water		GP-2 (MW-2) 11/19/2014 Ground Water		GP-3 (MW-3) 11/19/2014 Ground Water		GP-FIELD BLANK 11/19/2014 Ground Water		TRIP BLANK 11/19/2014 Ground Water		DUP GP-1 (MW-1) 11/19/2014 Ground Water	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Metals, Total														
Aluminum	mg/L	0.1	**1.95**	0.01	**11.3**	0.01	**0.665**	0.01	< 0.010	0.01	NA	NA	**1.45**	0.01
Antimony	mg/L	0.003	< 0.005	0.005	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	NA	NA	< 0.003	0.003
Arsenic	mg/L	0.025	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	NA	NA	< 0.004	0.004
Barium	mg/L	1	**0.071**	0.002	**0.147**	0.002	**0.054**	0.002	< 0.002	0.002	NA	NA	**0.067**	0.002
Beryllium	mg/L	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Cadmium	mg/L	0.005	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Calcium	mg/L	NE	**93.6**	0.01	**133**	0.01	**78.9**	0.01	**9.48**	0.01	NA	NA	**92.3**	0.01
Chromium	mg/L	0.05	**0.007**	0.001	**0.021**	0.001	**0.003**	0.001	< 0.001	0.001	NA	NA	**0.006**	0.001
Cobalt	mg/L	NE	**0.004**	0.002	**0.01**	0.002	**0.002**	0.002	< 0.002	0.002	NA	NA	**0.004**	0.002
Copper	mg/L	0.2	**0.005**	0.005	**0.022**	0.005	< 0.005	0.005	< 0.005	0.005	NA	NA	**0.005**	0.005
Iron	mg/L	0.3	**3.35**	0.01	**15.2**	0.01	**1.21**	0.01	< 0.010	0.01	NA	NA	**2.67**	0.01
Lead	mg/L	0.025	< 0.002	0.002	**0.003**	0.002	< 0.002	0.002	< 0.002	0.002	NA	NA	< 0.002	0.002
Magnesium	mg/L	35	**36.5**	0.01	**52.9**	0.01	**27.6**	0.01	**1.52**	0.01	NA	NA	**35.8**	0.01
Manganese	mg/L	0.3	**0.151**	0.001	**0.46**	0.001	**0.095**	0.001	< 0.001	0.001	NA	NA	**0.144**	0.001
Mercury	mg/L	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	NA	NA	< 0.0002	0.0002
Nickel	mg/L	0.1	**0.005**	0.001	**0.017**	0.001	**0.003**	0.001	< 0.001	0.001	NA	NA	**0.005**	0.001
Potassium	mg/L	NE	**6.1**	0.1	**7.4**	0.1	**5.2**	0.1	**1**	0.1	NA	NA	**5.9**	0.1
Selenium	mg/L	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	< 0.010	0.01	NA	NA	< 0.010	0.01
Silver	mg/L	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Sodium	mg/L	20	**30.8**	0.1	**14.9**	0.1	**21.7**	0.1	**11.7**	0.1	NA	NA	**30.2**	0.1
Thallium	mg/L	0.0005	< 0.002	0.002	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	NA	NA	< 0.0005	0.0005
Vanadium	mg/L	NE	**0.009**	0.002	**0.03**	0.002	**0.004**	0.002	< 0.002	0.002	NA	NA	**0.007**	0.002
Zinc	mg/L	5	**0.015**	0.002	**0.052**	0.002	**0.009**	0.002	**0.006**	0.002	NA	NA	**0.015**	0.002
Metals, Dissolved														
Aluminum (Dissolved)	mg/L	0.1	**0.09**	0.01	**0.22**	0.01	**0.06**	0.01	< 0.01	0.01	NA	NA	**0.04**	0.01
Antimony (Dissolved)	mg/L	0.003	< 0.005	0.005	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	NA	NA	< 0.003	0.003
Arsenic (Dissolved)	mg/L	0.025	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	NA	NA	< 0.004	0.004
Barium (Dissolved)	mg/L	1	**0.056**	0.002	**0.056**	0.002	**0.048**	0.002	< 0.002	0.002	NA	NA	**0.056**	0.002
Beryllium (Dissolved)	mg/L	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Cadmium (Dissolved)	mg/L	0.005	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Calcium (Dissolved)	mg/L	NE	**73.5**	0.01	**53.1**	0.01	**74.6**	0.01	**9.35**	0.01	NA	NA	**73.1**	0.01
Chromium (Dissolved)	mg/L	0.05	< 0.001	0.001	**0.001**	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Cobalt (Dissolved)	mg/L	NE	**0.002**	0.001	< 0.001	0.001	**0.001**	0.001	< 0.001	0.001	NA	NA	**0.002**	0.001
Copper (Dissolved)	mg/L	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.005	0.005
Iron (Dissolved)	mg/L	0.3	**0.135**	0.011	**0.345**	0.011	**0.12**	0.011	< 0.011	0.011	NA	NA	**0.054**	0.011
Lead (Dissolved)	mg/L	0.025	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	NA	NA	< 0.002	0.002
Magnesium (Dissolved)	mg/L	35	**26.7**	0.01	**17**	0.01	**25.3**	0.01	**1.5**	0.01	NA	NA	**26.4**	0.01
Manganese (Dissolved)	mg/L	0.3	**0.074**	0.001	**0.045**	0.001	**0.075**	0.001	**0.001**	0.001	NA	NA	**0.072**	0.001
Mercury (Dissolved)	mg/L	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	NA	NA	< 0.0002	0.0002
Nickel (Dissolved)	mg/L	0.1	**0.002**	0.001	**0.002**	0.001	**0.003**	0.001	**0.002**	0.001	NA	NA	**0.002**	0.001
Potassium (Dissolved)	mg/L	NE	**6**	0.1	**4.9**	0.1	**5.4**	0.1	**2.5**	0.1	NA	NA	**5.8**	0.1
Selenium (Dissolved)	mg/L	0.01	< 0.002	0.002	< 0.01	0.01	< 0.01	0.01	< 0.01	0.01	NA	NA	< 0.01	0.01
Silver (Dissolved)	mg/L	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	NA	NA	< 0.001	0.001
Sodium (Dissolved)	mg/L	20	**30.2**	0.11	**12.8**	0.11	**21.4**	0.11	**12**	0.11	NA	NA	**30.2**	0.11
Thallium (Dissolved)	mg/L	0.0005	< 0.002	0.002	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	NA	NA	< 0.0005	0.0005
Vanadium (Dissolved)	mg/L	NE	**0.002**	0.002	**0.003**	0.002	**0.002**	0.002	< 0.002	0.002	NA	NA	< 0.002	0.002
Zinc (Dissolved)	mg/L	5	**0.004**	0.002	**0.005**	0.002	**0.006**	0.002	**0.007**	0.002	NA	NA	**0.004**	0.002

Table 3. Groundwater Analytical Results
Phase II Investigation
34-22 35th Street
Astoria, New York

Compound	Sample Id Collection Date Matrix Units	NYSDEC TOGS Standards and Guidance Values - GA	GP-1 (MW-1) 11/19/2014 Ground Water		GP-2 (MW-2) 11/19/2014 Ground Water		GP-3 (MW-3) 11/19/2014 Ground Water		GP-FIELD BLANK 11/19/2014 Ground Water		TRIP BLANK 11/19/2014 Ground Water		DUP GP-1 (MW-1) 11/19/2014 Ground Water	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
PCBs By 608/ 8082														
PCB-1016	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1221	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1232	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1242	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1248	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1254	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1260	ug/L	0.09	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1262	ug/L	NE	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
PCB-1268	ug/L	NE	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
Pesticides By SW8081														
4,4' -DDD	ug/L	0.3	< 0.010	0.01	< 0.050	0.05	< 0.010	0.01	< 0.010	0.01	NA	NA	< 0.010	0.01
4,4' -DDE	ug/L	0.2	< 0.010	0.01	< 0.050	0.05	< 0.010	0.01	< 0.010	0.01	NA	NA	< 0.010	0.01
4,4' -DDT	ug/L	0.2	< 0.010	0.01	< 0.050	0.05	< 0.010	0.01	< 0.010	0.01	NA	NA	< 0.010	0.01
a-BHC	ug/L	0.01	< 0.005	0.005	< 0.025	0.025	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.005	0.005
Alachlor	ug/L	0.5	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	NA	NA	< 0.075	0.075
Aldrin	ug/L	NE	< 0.005	0.005	**0.003**	0.002	< 0.002	0.002	< 0.003	0.003	NA	NA	< 0.005	0.005
b-BHC	ug/L	0.04	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.005	0.005
Chlordane	ug/L	0.05	< 0.050	0.05	< 0.30	0.3	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
d-BHC	ug/L	0.04	< 0.025	0.025	< 0.025	0.025	< 0.025	0.025	< 0.025	0.025	NA	NA	< 0.025	0.025
Dieldrin	ug/L	0.004	< 0.005	0.005	**0.007**	0.002	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.002	0.002
Endosulfan I	ug/L	NE	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
Endosulfan II	ug/L	NE	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
Endosulfan Sulfate	ug/L	NE	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
Endrin	ug/L	NE	< 0.010	0.01	< 0.050	0.05	< 0.010	0.01	< 0.010	0.01	NA	NA	< 0.010	0.01
Endrin Aldehyde	ug/L	5	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
Endrin ketone	ug/L	5	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	< 0.050	0.05	NA	NA	< 0.050	0.05
g-BHC (Lindane)	ug/L	0.05	< 0.025	0.025	< 0.025	0.025	< 0.025	0.025	< 0.025	0.025	NA	NA	< 0.025	0.025
Heptachlor	ug/L	0.04	< 0.005	0.005	< 0.025	0.025	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.005	0.005
Heptachlor epoxide	ug/L	0.03	< 0.005	0.005	< 0.025	0.025	< 0.005	0.005	< 0.005	0.005	NA	NA	< 0.005	0.005
Methoxychlor	ug/L	35	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	< 0.10	0.1	NA	NA	< 0.10	0.1
Toxaphene	ug/L	0.06	< 0.20	0.2	< 1.0	1	< 0.20	0.2	< 0.20	0.2	NA	NA	< 0.20	0.2

Notes:
NE: Not established
NA: Not analyzed
Bolding indicates a detected concentration
Shading Indicates Result Exceeds AWQS

Table 4. Soil Vapor Analytical Results
Phase II Subsurface Investigation
34-22 35th Street
Astoria, New York

Compound	NYSDOH Soil Vapor Intrusion Matrix 1 & 2 Action Levels	Sample ID / Collection Date / Units	GP6(SG-1) 11/13/2014		GP4(SG-2) 11/13/2014		GP7(SG-3) 11/13/2014		DUP SG4(SG-2) 11/13/2014	
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,1-Trichloroethane	100	ug/m3	**10.2**	1	**12.3**	1	**8.18**	1	**12**	1
1,1,2,2-Tetrachloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1,2-Trichloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,1-Dichloroethene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trichlorobenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2,4-Trimethylbenzene	NE	ug/m3	**45.8**	1	**5.85**	1	**37.4**	1	**4.42**	1
1,2-Dibromoethane(EDB)	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorobenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-dichloropropane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,2-Dichlorotetrafluoroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3,5-Trimethylbenzene	NE	ug/m3	**11.9**	1	**1.92**	1	**9.92**	1	**1.38**	1
1,3-Butadiene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,3-Dichlorobenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dichlorobenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
1,4-Dioxane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
2-Hexanone(MBK)	NE	ug/m3	**12.8**	1	< 1.00	1	**14.3**	1	< 1.00	1
4-Ethyltoluene	NE	ug/m3	**21.2**	1	**3.49**	1	**17.7**	1	**2.31**	1
4-Isopropyltoluene	NE	ug/m3	**1.1**	1	< 1.00	1	< 1.00	1	< 1.00	1
4-Methyl-2-pentanone(MIBK)	NE	ug/m3	**1.68**	1	< 1.00	1	**1.1**	1	< 1.00	1
Acetone	NE	ug/m3	**318**	1	**227**	1	**342**	1	**235**	1
Acrylonitrile	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Benzene	NE	ug/m3	**31.4**	1	**22.9**	1	**33.5**	1	**22.7**	1
Benzyl chloride	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromodichloromethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromoform	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Bromomethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Carbon Disulfide	NE	ug/m3	**7.69**	1	**4.32**	1	**1.34**	1	**4.23**	1
Carbon Tetrachloride	5	ug/m3	**3.08**	0.25	**15.5**	0.25	**9.05**	0.25	**15**	0.25
Chlorobenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Chloroform	NE	ug/m3	**3.37**	1	**25.9**	1	**4.64**	1	**24.9**	1
Chloromethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cis-1,2-Dichloroethene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
cis-1,3-Dichloropropene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Cyclohexane	NE	ug/m3	**5.85**	1	**5.4**	1	**5.95**	1	**5.19**	1
Dibromochloromethane	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Dichlorodifluoromethane	NE	ug/m3	**2.08**	1	**2.17**	1	**2.27**	1	**2.03**	1
Ethanol	NE	ug/m3	**16.3**	1	**84**	1	**28.8**	1	**82.8**	1
Ethyl acetate	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Ethylbenzene	NE	ug/m3	**98.1**	1	**36.7**	1	**97.6**	1	**34.4**	1
Heptane	NE	ug/m3	**48.7**	1	**34**	1	**54.9**	1	**33.2**	1
Hexachlorobutadiene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Hexane	NE	ug/m3	**35.9**	1	**32.2**	1	**41.9**	1	**32.5**	1
Isopropylalcohol	NE	ug/m3	**5.67**	1	**9.6**	1	**4.1**	1	**6.9**	1
Isopropylbenzene	NE	ug/m3	**5.21**	1	**1.33**	1	**4.72**	1	**1.18**	1
m,p-Xylene	NE	ug/m3	**289**	1	**107**	1	**279**	1	**98.1**	1
Methyl Ethyl Ketone	NE	ug/m3	**354**	1	**589**	1	**548**	1	**566**	1
Methyl tert-butyl ether(MTBE)	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Methylene Chloride	NE	ug/m3	**1.04**	1	< 1.00	1	**1.94**	1	< 1.00	1
n-Butylbenzene	NE	ug/m3	**2.91**	1	< 1.00	1	**2.47**	1	< 1.00	1
o-Xylene	NE	ug/m3	**88.5**	1	**29.7**	1	**84.6**	1	**27.1**	1
Propylene	NE	ug/m3	**41.8**	1	**12.8**	1	**9.22**	1	**13.4**	1
sec-Butylbenzene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Styrene	NE	ug/m3	**1.23**	1	< 1.00	1	**1.28**	1	< 1.00	1
Tetrachloroethene	100	ug/m3	**8.2**	0.25	**32.4**	0.25	**36.1**	0.25	**30.6**	0.25
Tetrahydrofuran	NE	ug/m3	**849**	1	**763**	1	**1,120**	1	**716**	1
Toluene	NE	ug/m3	**426**	1	**212**	1	**426**	1	**203**	1
Trans-1,2-Dichloroethene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
trans-1,3-Dichloropropene	NE	ug/m3	< 1.00	1	< 1.00	1	< 1.00	1	< 1.00	1
Trichloroethene	5	ug/m3	< 0.25	0.25	**8.43**	0.25	**2.9**	0.25	**8.27**	0.25
Trichlorofluoromethane	NE	ug/m3	**8.08**	1	**15.3**	1	**24.2**	1	**15.3**	1

Notes:
NE: Not established
Bolding indicates a detected concentration
Shading Indicates Result Exceeds nysdoh Action Levels

Appendices

PHASE II
SUBSURFACE INVESTIGATION WORKPLAN

PREPARED FOR:

Dreygo Development Group
34-13 38th Street
Long Island City, New York 11101

FOR WORK AT:

THE COMPLEX
34-22 35th Street
Astoria, New York 11106
Block 642: Lots: 36

OER Project # 10RHAZ062Q
RD CRFN # 2007000213406
CEQR # 06DCP042Q

PREPARED BY:

Joseph Martines, P.E., PLLC.
15 Kirkwall Court
Rockville Centre, New York 11570

APRIL 2010
REVISED JULY 2010
REVISED AUGUST 2010

_____ _____

Joseph D. Martines, P.E. **Date**

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PHASE II SITE INVESTIGATION WORK PLAN

FOR THE PROPERTY LOCATED AT:

THE COMPLEX
34-22 35th STREET
QUEENS, NEW YORK

BLOCK 642 – Lot 36

OER Project # 10RHAZ062Q
RD CRFN # 2007000213406
CEQR # 06DCP042Q

1.0 PURPOSE

The purpose of this Phase II Site Investigation Work Plan (Plan) is to describe the methods in which Joseph Martines, P.E., PLLC. will further investigate and characterize the subsurface soils, soil vapors, and groundwater conditions beneath the referenced subject property on behalf of Dreygo Development Group due to potential recognized environmental conditions (RECs). Additionally, this Plan will comply with the requests for additional sampling made by the Office of Environmental Remediation (OER) – Mayor's Office of Operations to potentially remove the filed Restrictive Declaration associated with the subject property.

According to OER's review of Joseph Martines, P.E., PLLC. February 2008 Phase II Investigation performed at the subject property, it was determined that the Investigation was limited in scope (due to access limitations) and did not adequately characterize the subject property, leaving significant data gaps. This Plan will fully characterize the subject property and comply with OER's recommendations that additional sampling must be conducted to fill in the data gaps across the site.

2.0 BACKGROUND

Joseph Martines, P.E., PLLC. performed a Phase I Environmental Site Assessment (ESA) (February 2008) on the subject property located at 34-22 35th Street, Astoria, NY and identified the presence of potential recognized environmental conditions. The Phase I report identified two underground storage tank (UST's) that may still be present on the subject property. The Phase I report recommended a Phase II Investigation which included a GPR survey and the installation of soil borings for soil and groundwater sample collection.

In February 2008, Joseph Martines, P.E., PLLC. performed a Phase II investigation at the subject property. However, at the time of this investigation, the subject building was fully occupied and functioning as a commercial/manufacturing business entity with limited accessible areas for the installation of soil borings. Based on these site limitations, boring locations were installed in the eastern and northern edges of the site. Accordingly, all approvals and sampling activities were performed in accordance with New York City Department of Environmental Protection (NYCDEP). Additionally, the Phase II Investigation complied with the conclusions of the City Environmental Quality Review (CEQR) Environmental Assessment Statement Report prepared by Environmental Project Data Statements Company.

A Ground Penetrating Radar (GPR) survey was performed by Joseph Martines, P.E., PLLC and its subcontractor Nelson, Pope and Voorhis, LLC. (NPV) on February 28, 2008. The survey was completed after the Phase II Investigation due to budgetary concerns between the buyer and seller of the subject property. The survey was also limited to accessible areas of the subject building but studied the eastern portion of the subject building which was believed to be the approximate location of the formerly removed 2,000-gallon UST. The survey identified an anomaly typical of a subsurface storage tank located in the front (eastern) portion of the warehouse. A second small anomaly was located adjacent to the larger anomaly but was not investigated during the installation of soil borings because of the limited accessibility inside the subject building. A copy of the GPR survey is enclosed in Appendix A.

Due to the limited accessibility during the Phase II Investigation, it was determined that any UST's (including dispensers, piping, and fill ports) found would be properly removed/closed in

accordance with all applicable NYSDEC Regulations during demolition and excavation activities as stated in the Construction Health and Safety Plan. If any petroleum-impacted soils (which display petroleum odors and/or staining) were encountered from former or existing UST's, the impacted soils will be removed and properly disposed of in accordance with all NYSDEC Regulations.

Additionally, after the publication (March 2008) of the Phase I Environmental Site Assessment (ESA), Joseph Martines, P.E., PLLC. received a Freedom of Information Law (F.O.I.L) response from the New York City Fire Department regarding an underground storage tank. The F.O.I.L response indicated that one (1) 2,000-gallon underground storage tank (UST) had been sealed and removed on May 7, 1993. Based on this tank information, the large anomaly detected in the warehouse could have been caused from the disturbance of soils when the UST was excavated and removed from the subject property.

2.1 PROPOSED BUILDING CONSTRUCTION

Based on purchase negotiations in January of 2009, the originally proposed 66,747 square feet of development consisting of lots 36, 42, and 44 was downsized to 45,081 square feet of development on Lot 36 only "THE COMPLEX".

The proposed seven-story building will contain 47 dwelling units on six floors and the ground level will include 2 retail commercial spaces with a total of approximately 3,980 square feet. The building will total approximately 45,081 square feet of above grade floor area, and reach a maximum height of 70 feet to the roof line. The project will also include 50 space accessory parking garage to be developed on a cellar floor level underlying the entire site at a depth of 14'-8" below grade. This parking area will be accessed via one driveway connecting to the 35thStreet frontage of the property. Frontage of the development, at ground level, will also be setback three feet eight inches from the front lot line and thirty-one feet from the property's rear lot line. Approximately 6,450 square feet of outdoor recreation area will be provided in the rear yard of the development. The bulk of the rear yard area will be developed as a landscaped and paved open space. Approximately 1,488 square feet of indoor recreation area will be provided

in portions of the first, second and third floors of the development. Most of the units will be provided with balconies and private terraces, which will be constructed on the building's fifth and seventh floors. Approximately 3,800 square feet of the roof terrace will also be provided as recreation space.

3.0 SAMPLING PROGRAM

The Office of Environmental Remediation – Mayor's Office of operations will be notified at least 48 hours in advance of environmental investigative activities and sampling dates so that arrangements can be made for a OER representative to be present to witness sampling activities and split samples, if desired.

3.1 SAMPLE LOCATIONS

All previous and proposed new soil, soil vapor and groundwater sampling locations are shown on the Site Sampling Plan, Appendix B.

3.2 SAMPLING PROCEDURE

Soils samples will be collected utilizing a Mobile 55 truck mounted drill rig with a split spoon sampling core. The drill rig is designed to allow collection of soil samples at selected depths, consistent with equipment and physical limitations. Only qualified, experienced drill rig operators shall operate the equipment. Borings locations within the vicinity of the previously identified GPR anomalies will be hand dug down to five feet to safely confirm or deny the existence of UST's without puncturing the tank(s).

Grab samples for laboratory analysis will be selected from depths exhibiting unusual discoloration, odor, as well as elevated PID readings. The samples will be placed into clean 2-ounce and 4-ounce glass jars fitted with Teflon lined caps using a single-use environmental grade disposable plastic scoop. The sample containers will be placed in a cooler to maintain a constant temperature of 4°C and shipped to a NYSDOH ELAP-CERTIFIED Laboratory for analysis.

Soil samples collected from each boring will analyzed for Volatile Organic Compounds by USEPA Method 8260, Semi-Volatile Organic Compounds by USEPA Method 8270, Pesticides/PCBs by USEPA Method 8081/8082 and Target Analyte List (TAL) Metals pursuant to OER's recommendations.

Sample collection will be performed and carefully monitored by an on-site environmental

scientist or engineer, who will monitor for any visible evidence of contaminants and noticeable odors.

3.3 SOIL SAMPLING

According to OER recommendations, six (6) additional soil borings will be completed at the site. Soil samples for four (4) of the soil borings will be collected at two locations per boring. Specific locations are as follows: two (2) soil borings in the western portion of the lot, one (1) soil boring in the southern portion of the lot, and one (1) soil boring in the center of the lot. Soil probes would be measured continuously with a Photo Ionization Detector (PID) for the presence of volatile organic vapors. Two (2) samples will be collected from each soil probe. The first sample will be collected between 0'-2' below ground surface (bgs), and will not include the layer of crushed stone currently graded across the site. The second sample will be collected where the highest PID reading and/or visual observations of contamination are noted. If no elevated PID readings are obtained, the second sample will be collected from the proposed excavation depth of seventeen (17) to nineteen (19) feet bgs. In addition, one soil sample will be collected beyond the deepest excavation depth (e.g. 24-feet bgs) for the elevator pit in the vicinity of boring NB-4. This sample will be collected from a depth of twenty-four (24) to twenty-six (26) feet bgs.

Soil samples from the remaining two (2) soil borings will only be collected from 0'-2' bgs to fully characterize surface soils at the site. The first boring will be installed on the northern portion of the site and the second boring will be installed on the eastern portion of the site.

Soil borings will be identified as NB-1 through NB-6. Approximate boring locations are identified on the Site Sampling Plan, Appendix B.

Any changes to the depth or location of material sampling will be discussed and agreed upon between representatives of Joseph Martines, P.E., PLLC. and OER, and duly noted in the subsequent Phase II report. Photographs of all soil borings will be taken.

3.4 GROUNDWATER SAMPLING

According to OER's recommendations, two (2) temporary monitoring wells consisting of two inch PVC pipe will be installed at the site. Based on the estimated elevation of groundwater (30-feet) at the subject site, monitoring wells will be installed to a depth of 40-feet below ground surface. Approximately 30-feet of riser and 10-feet of screen will be installed at each monitoring well point. Monitoring Well MW-1 will be installed in the approximate location of the formerly removed underground storage tank (UST) to determine potential residual contamination and/or vapors. Monitoring Well MW-2 will be installed in the center of the subject property to fully characterize the groundwater beneath the subject property.

Water level measurements within the PVC wells will be recorded before the wells are developed and sampled. A Heron H.01L oil water interface meter will be utilized to record separate-phase product (if detected) and groundwater levels from the top of well casing. Based on these measurements, field personnel will determine the total amount of liquids to be purged from each monitoring well. Groundwater parameters will also be checked utilizing a "Horiba U-10" water meter to ensure low turbidity upon collection of the samples Groundwater samples will be collected from each well point and analyzed for Volatile Organic Compounds by USEPA Method 8260, Semi-Volatile Organic Compounds by USEPA Method 8270, Pesticides/PCBs by USEPA Method 8081/8082 and unfiltered Target Analyte List (TAL) Metals. Pursuant to OER's recommendations, additional groundwater samples must also be and analyzed for filtered TAL metals; in this instance, sampling vessels will not contain preservatives.

Groundwater samples will be collected using dedicated two-inch bailers. Liquid samples will be placed into two amber colored 1-liter glass jars, one 250 milliliter plastic bottle with preservative, one 250 milliliter plastic bottle without preservative (filtered sample), and two clear 40-milliliter glass vials.

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3.5 SOIL GAS SAMPLING

Per OER's recommendations and the requirement of the recently revised City Environmental Quality Review (CEQR) Technical Manual guidance for Hazardous Materials for potential soil vapor impacts and "E" designated sites, two (2) soil gas probes (SG-1 and SG-2) will be installed at the site in the vicinity of the former UST and in the central portion of the lot to fully characterize potential soil gas at the subject property. Soil gas probe installation will be completed in accordance with New York State Department of Health's (NYSDOH) October 2006 "Guidance for Evaluating Soil Vapor Intrusion in the State of New York". Soil gas samples will be collected and analyzed for VOCs by USEPA Method TO-15.

3.6 SAMPLE CHARACTERIZATION

A visual inspection of all material recovered during the performance of the material sampling will be made to identify any gross signs of contamination and to classify the materials. Where soil is encountered, classifications will be made in accordance with the Unified Soil Classification System. Soil color classifications will be made in accordance with the Munsell Classification System.

All visual inspections will be noted in the field logs. Photographs will be taken of discolored materials and changes in material consistency. Any soil samples exhibiting odors will be noted.

4.0 ANALYSIS PROGRAM

All samples will be shipped to a NYSDOH ELAP-CERTIFIED Laboratory for analysis. The following analyses will be conducted on each sample delivered to the laboratory (ten soil samples, two groundwater samples and two soil gas samples are proposed):

Soil Samples: Volatile Organic Compounds by USEPA Method 8260, Semi-Volatile Organic Compounds by USEPA Method 8270, Pesticides/PCBs by USEPA Method 8081/8082 and Target Analyte List (TAL) Metals.

Groundwater Samples: Volatile Organic Compounds by USEPA Method 8260, Semi-Volatile Organic Compounds by USEPA Method 8270, Pesticides/PCBs by USEPA Method 8081/8082 and Target Analyte List (TAL) Metals (filtered and unfiltered)

Soil Gas Samples: Volatile Organic Compound by USEPA Method TO-15.

4.1 LABORATORY ANALYTICAL RESULT COMPARISON GUIDELINES

Soil sample results will be compared to applicable NYSDEC Part 375 soil cleanup objective guidelines per OEM's request. Groundwater samples will be compared to NYSDEC Part 703 – Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and where applicable NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1). Soil vapor monitoring gas samples will be compared to NYSDOH October 2006 Guidance for Evaluating Soil Vapor Intrusion. Specifically, a "spider" diagram will compare any soil and groundwater exceedances and soil gas contaminants that are identified to the appropriate NYSDEC cleanup objectives and guidelines.

5.0 QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

The sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams (Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Environmental Protection Agency, Cincinnati, Ohio, EPA-600/280-018) and ASTM Material Sampling Procedures.

5.1 SAMPLE PERSONNEL

All samples will be taken by or under the auspices of a USEPA Office of Emergency and Remedial Response Certified Sampler for Hazardous Materials. Sampling technicians will possess a minimum of a BA Degree in the Earth and Space Sciences or a BS Degree in Engineering. Sampling technicians will have a minimum of one-year experience in environmental fieldwork.

5.2 SAMPLING EQUIPMENT

Prior to arrival on site and after each sample acquisition, any non-disposable sampling equipment will be decontaminated as follows:

- Washed by brushing with detergent solution (Alconox/Liquinox) and hot potable water
- Rinsed with distilled water
- Rinse with dilute (1%) nitric acid or dilute (1%) hydrochloric acid (for stainless steel)
- Distilled water rinse
- Methanol rinse
- Final rinse with distilled water
- Air dry and wrap in clean unused aluminum foil (shiny side out)
- Mixing of soil samples for composites will be conducted using dedicated plastic spatulas.
- Dedicated sampling equipment will be used for this sampling event and thrown out after use.

5.3 SAMPLE ACQUISITION

All sample vessels will be "level A" certified decontaminated containers supplied by a New York State Department of Health Certified Laboratory. Containers will be of appropriate volume and type according to the analysis to be performed. Those samples to be analyzed for volatile organic compounds will be placed in containers with Teflon lined caps.

Those samples requiring preservation to maintain their integrity will be placed in vessels containing the appropriate chemical preservative as prepared by the laboratory. After acquisition, samples will be cooled to 4°C.

The number and type of containers and required preservatives are listed in Table 1, Appendix C.

Samples will be analyzed by a NYSDOH ELAP-CERTIFIED Laboratory.

5.4 SAMPLE DOCUMENTATION

To establish proper control, the following sample identification and chain of custody procedures will be followed.

5.4.1 SAMPLE IDENTIFICATION

Sample identification will be executed by use of a sample tag, logbook, and manifest. Said documentation will provide the following information:

- Project Name
- Sample Field Number
- Sample Preservation
- Requested Analysis
- Date Sample Was Secured From Source Soil
- Time Sample Was Secured From Source Soil

- Person Who Secured Sample From Source Soil

5.4.2 CHAIN-OF-CUSTODY PROCEDURES

Sample possession will be traceable from the time the samples are to be collected until they are received by the testing laboratory. A sample will be considered under custody if:

It is in a person's possession,
It was in a person's view, after being in possession,
It was in locked storage, under a person's control; or
It is in a designated area.

When transferring custody, the individuals relinquishing and receiving the samples will sign, date, and note the time on the Chain-of-Custody Form.

5.4.3 LABORATORY - CUSTODY PROCEDURES

A designated sample custodian will accept custody of the shipped samples and will verify that the information on the sample tags matches that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc. will be entered in the "Remarks" section. The custodian will then enter the sample tag data into a bound logbook, which will be arranged by project code and station number.

The laboratory custodian will use the sample tag number, or assign a unique laboratory number to each sample tag, and ensure that all samples will be transferred to the proper analyst or stored in the appropriate source area.

The custodian will distribute samples to the appropriate analysts. Laboratory personnel will be responsible for the care and custody of samples, from the time they are received, until the sample is exhausted or returned to the custodian. All identifying data sheets and laboratory records will be retained as part of the permanent documentation. Samples that are received by the laboratory will be retained until after analysis and quality assurance checks are completed.

6.0 REPORTING

A report on findings will be presented, containing all applicable appendices including a site sampling plan showing the exact locations of soil, soil gas, and groundwater sampling locations with appropriate sampling depths, soil boring logs, groundwater monitoring well logs, laboratory analytical reports, chain-of-custody documents, photographs and field logs. The Phase II report will be certified by a Professional Engineer licensed to practice in New York State. Two copies will be submitted to the offices of OER for review.

APPENDIX A

GROUND PENETRATING RADAR (GPR) SURVEY

NELSON, POPE & VOORHIS, LLC
ENVIRONMENTAL • PLANNING • CONSULTING

CHARLES J. VOORHIS, CEP, AICP • VICTOR BERT, P.E. • ARTHUR J. KOERBER, P.E.
JOSEPH R. EPIFANIA, P.E. • ROBERT G. NELSON, JR., P.E. • PAUL M. RACZ, P.L.S.
THOMAS F. LEMBO, P.E. • GREGORY D. PETERMAN, P.L.S.
GARY S. BECKER, P.E. • ERIC J. McFERRAN, P.E.

March 11, 2008

Mr. Mark Califano
460 Old Town Road
Port Jefferson Station, New York 11776

Re: Ground Penetrating Radar (GPR) Survey Results
34-22 35th Street, Astoria, Queens
NP&V Job# 08051

Dear Mr. Califano:

Nelson, Pope & Voorhis, LLC (NP&V) personnel performed a Ground Penetrating Radar (GPR) survey at your request. The following is a synopsis of the GSSI SIR-3000 GPR system and the methods for its use:

The GPR system consisted of a control unit, control cable and an antenna. The GPR control unit transmits a trigger pulse at a normal repetition rate of 50 KHz. The pulse is then sent to the transmitter electronics in the transducer (antenna) via the control cable where the trigger pulses are transformed into bipolar pulses with higher amplitudes. The transformed pulse will vary in shape and frequency according to the transducer used. The GSSI system is capable of transmitting electromagnetic energy into the subsurface of the earth in the frequency range of 16 MHz to 2000 MHz. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and the control unit and is subsequently shown on the display of the computers color video monitor for interpolation.

A qualified technician specified a coordinate system on the planimetric surface to locate any subsurface dielectric anomalies on the premises. The operator used known knowledge of the subsurface soil composition to calibrate the SIR-3000 system to site specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, are modified to yield the most accurate data to describe the subsurface conditions.

Upon finding a dielectric anomaly a more specific coordinate system was designed over the area to determine its size, shape and orientation. The data collected during the survey was reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies.

572 WALT WHITMAN ROAD, MELVILLE, NY 11747 - 2188
(631) 427-5665 FAX (631) 427-5620 WWW.NELSONPOPE.COM

The interior of the warehouse area was surveyed to determine if any subsurface structures were present. In order to accurately determine if any structures were present, the warehouse area was divided into a systematic grid. Specifically, the GPR unit was passed along parallel transects approximately three (3) feet apart. Any anomalies noted during each pass were marked on the ground for further analysis. The property was then surveyed along the perpendicular axis. This type of survey allows the technician to outline if any tanks or other subsurface structures (i.e. storage tanks) are present.

The survey conducted at the above referenced property identified an anomaly typical of a subsurface storage tank located in the front portion of the warehouse. A second small anomaly was located to adjacent to the larger anomaly. The attached figure provides a sketch of the warehouse and the location of the anomalies detected. In addition, copies of typical GPR scans are attached for your review. No other anomalies were identified in the remaining area of the warehouse. Based on the GPR survey, no other subsurface structures of significance were identified during the GPR survey.

In conclusion, the areas of the anomalies should be investigated to determine if a tank or other structure is present.

If you have any question please do not hesitate to contact our office.

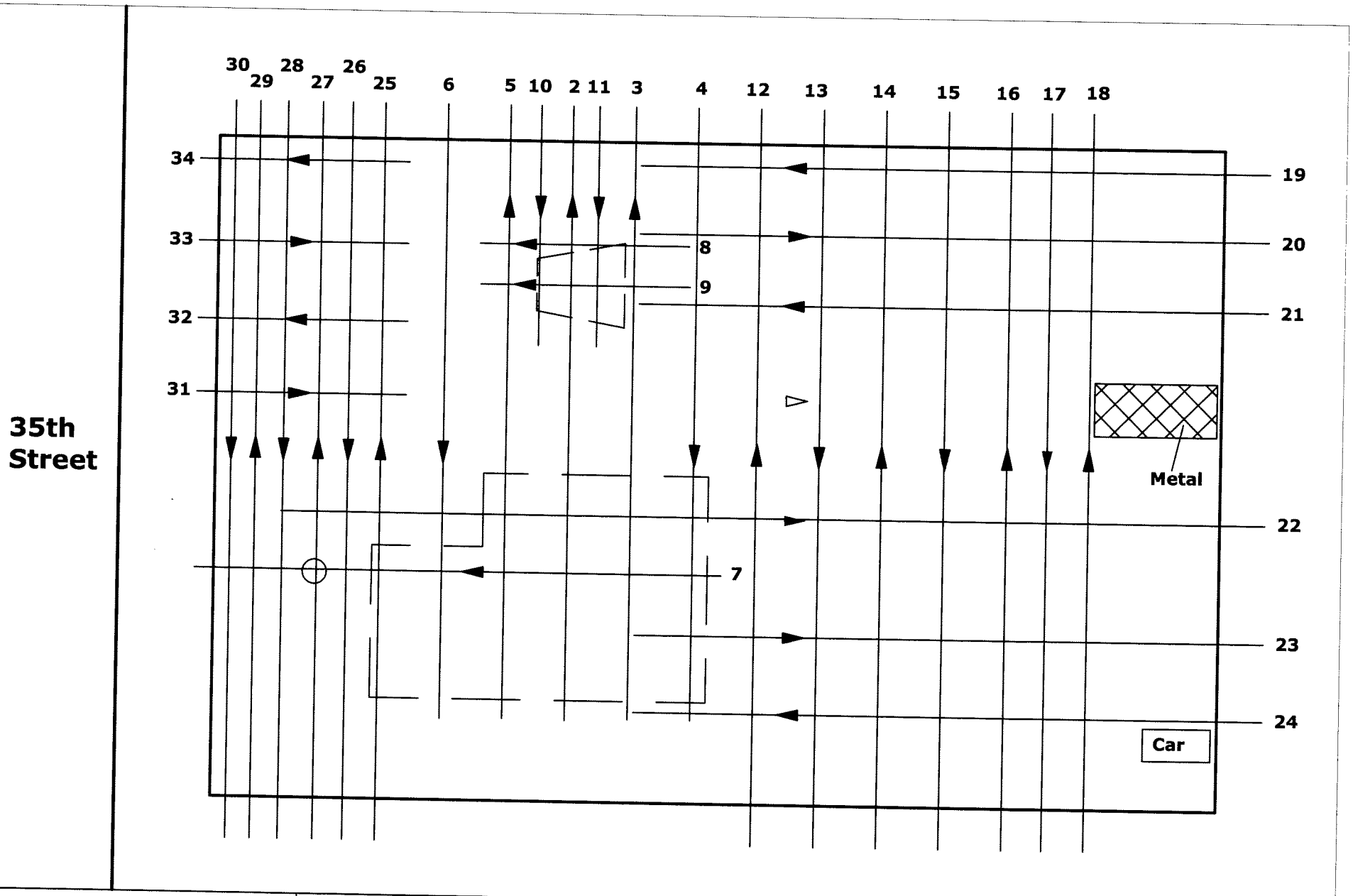
Very truly yours,

NELSON, POPE & VOORHIS, LLC

Steven J. McGinn, AICP, CEI

SJM/tbs

Attachment



NELSON POPE & VOORHIS LLC
ENVIRONMENTAL • PLANNING • CONSULTING

FIGURE 1
GPR SURVEY MAP

Scale: NTS

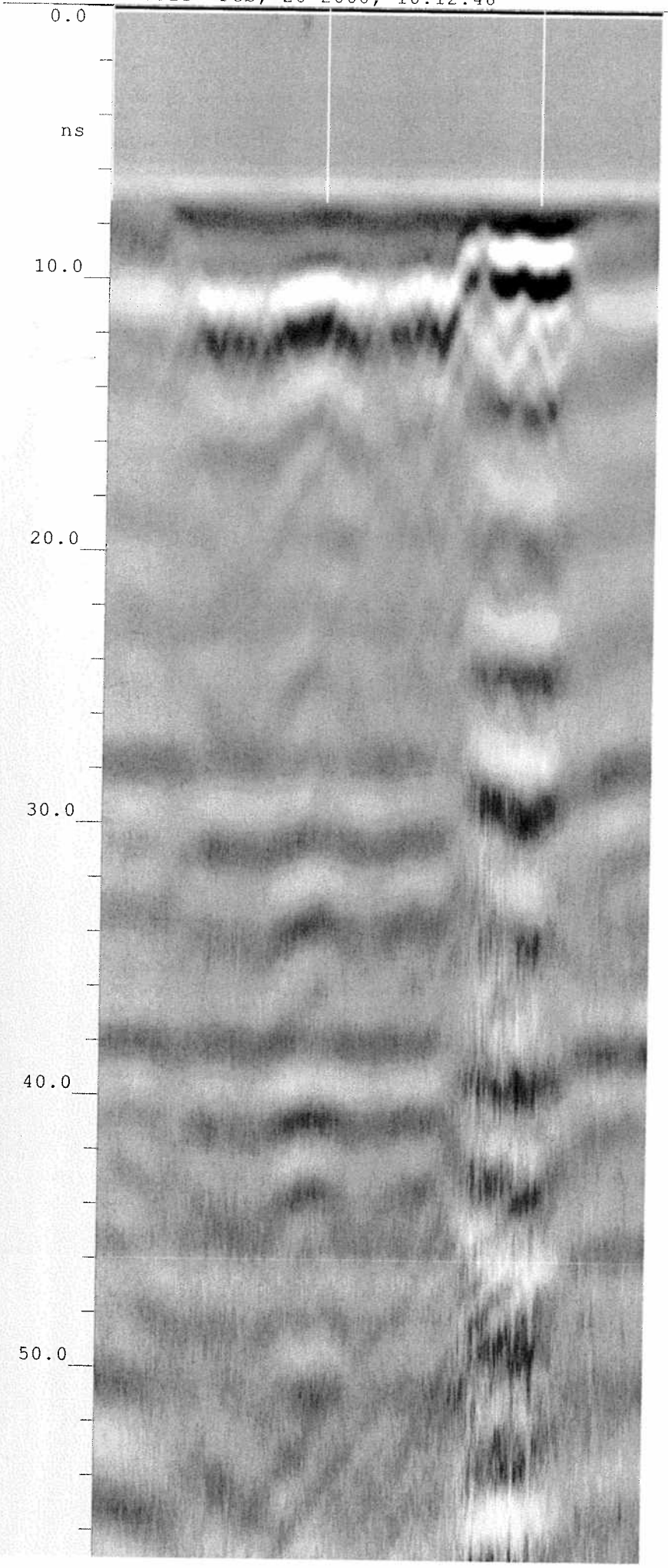
Floor Drain

Anomaly

NORTH

34-22 35th Street, Astoria

GPR Survey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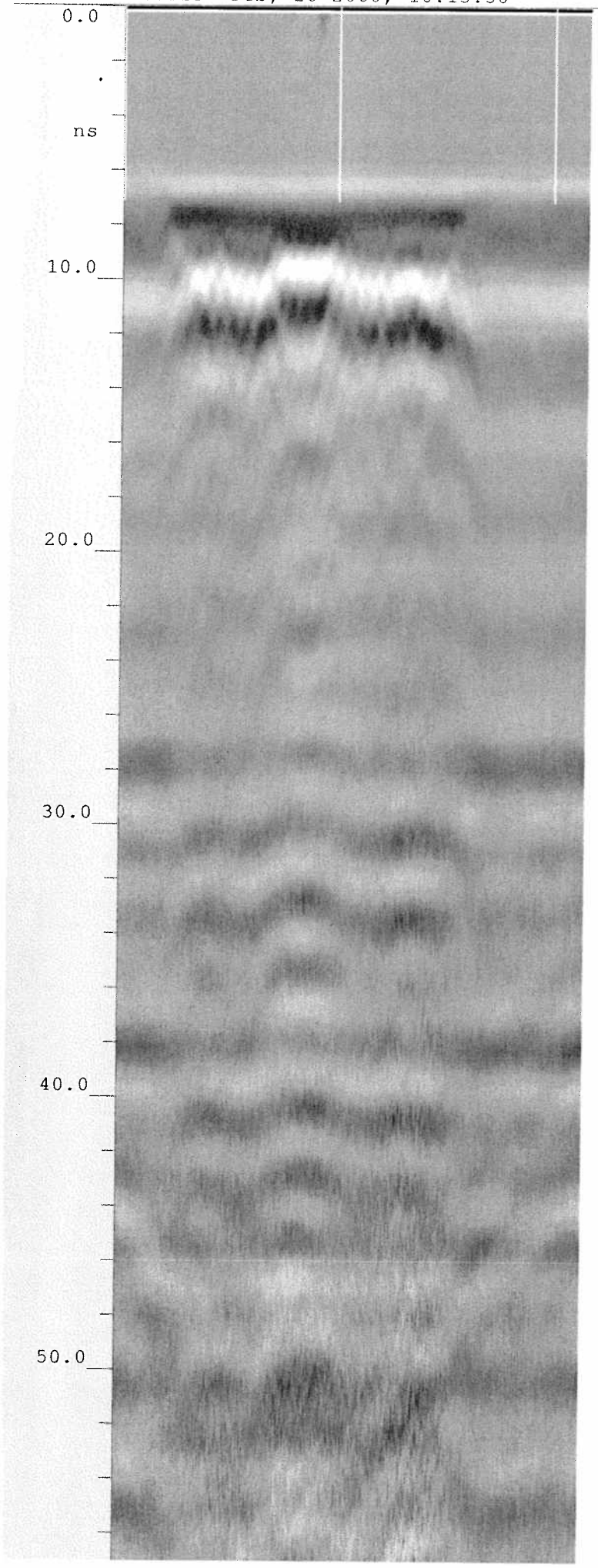
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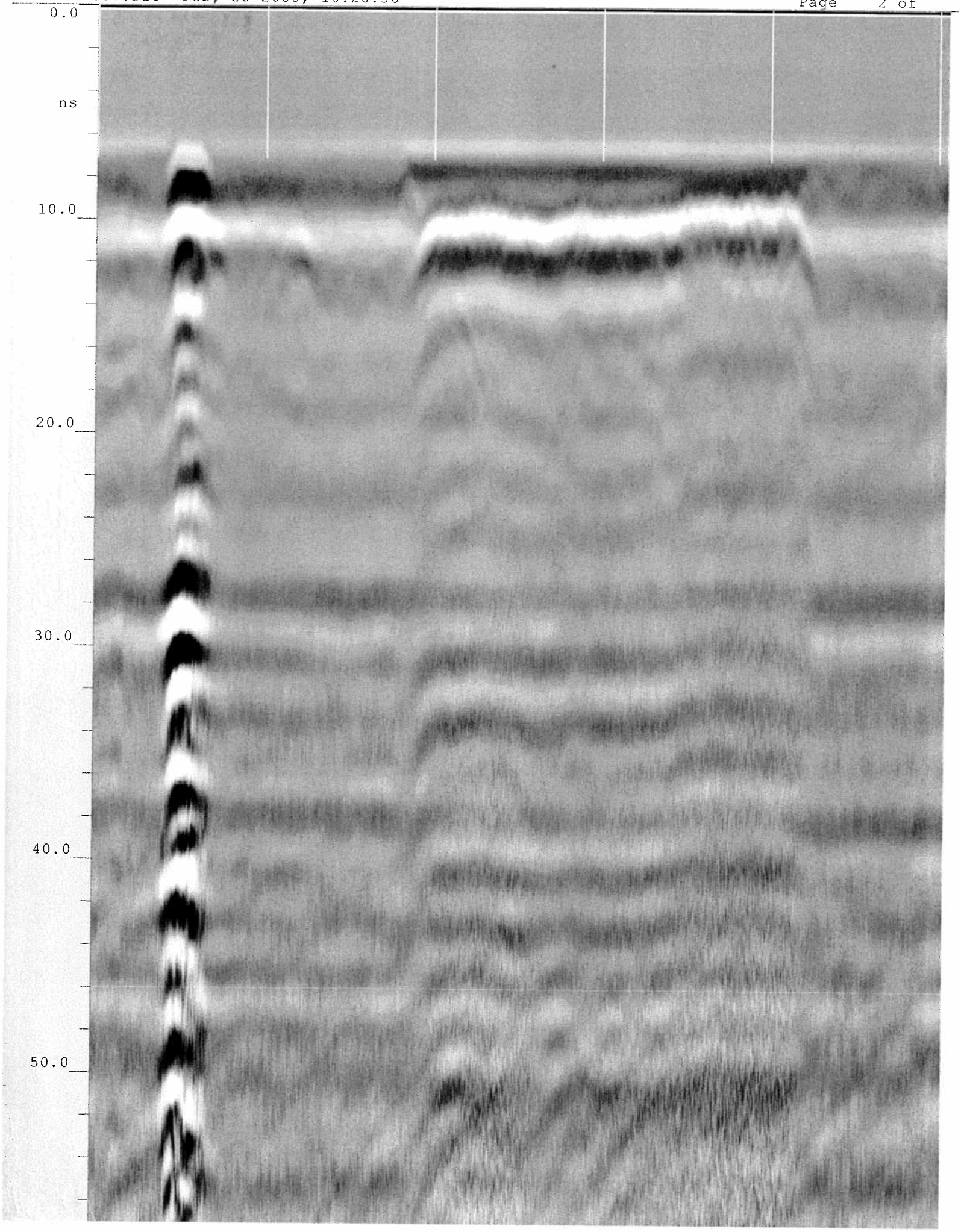
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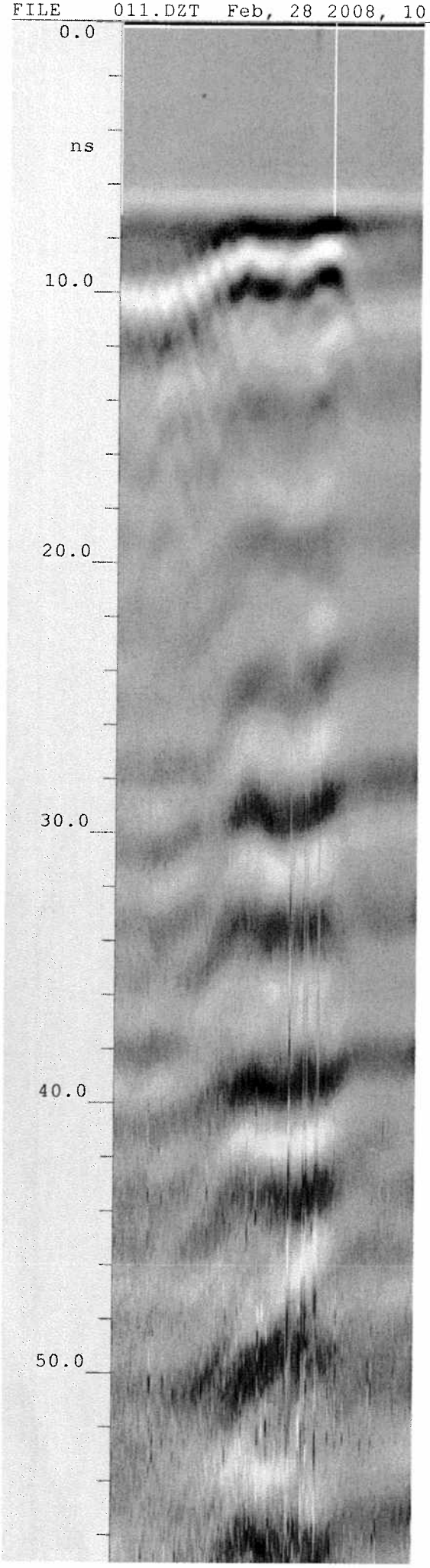
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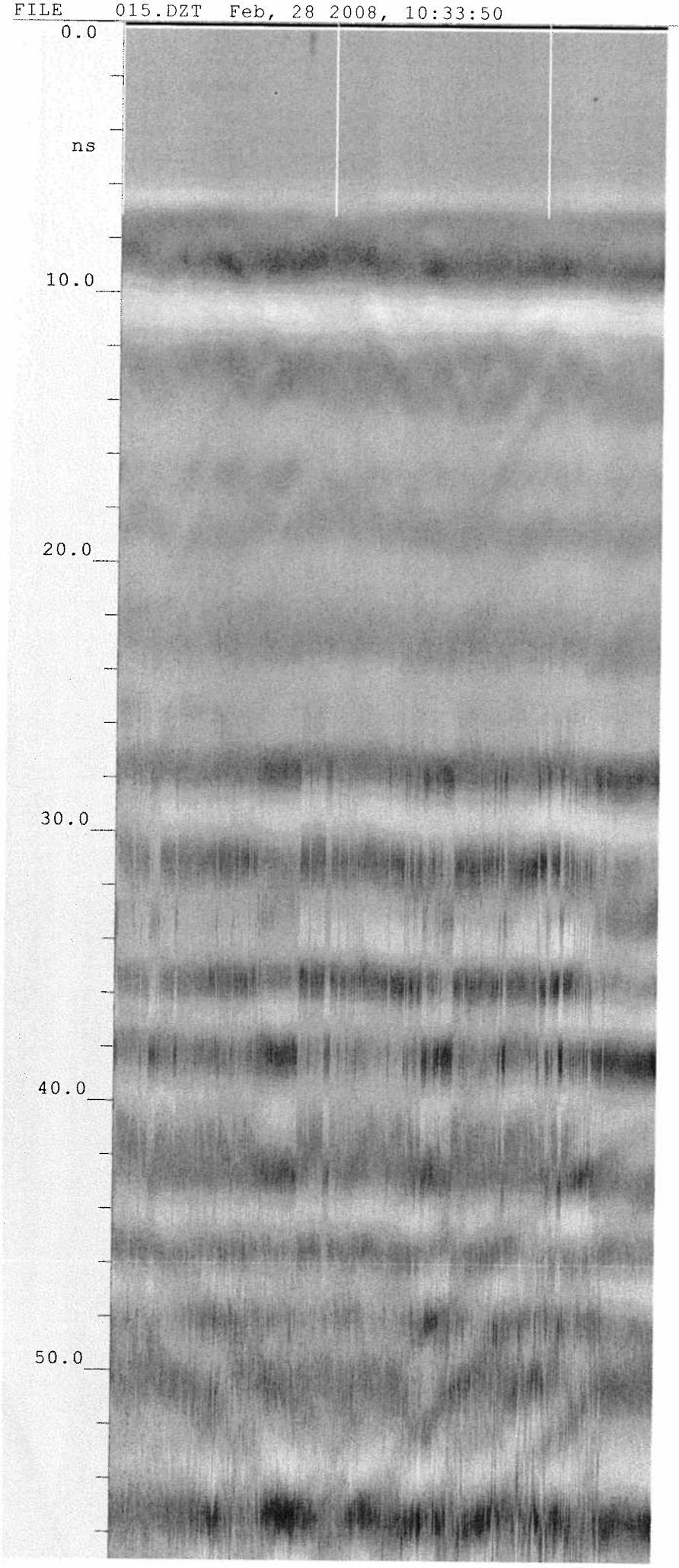
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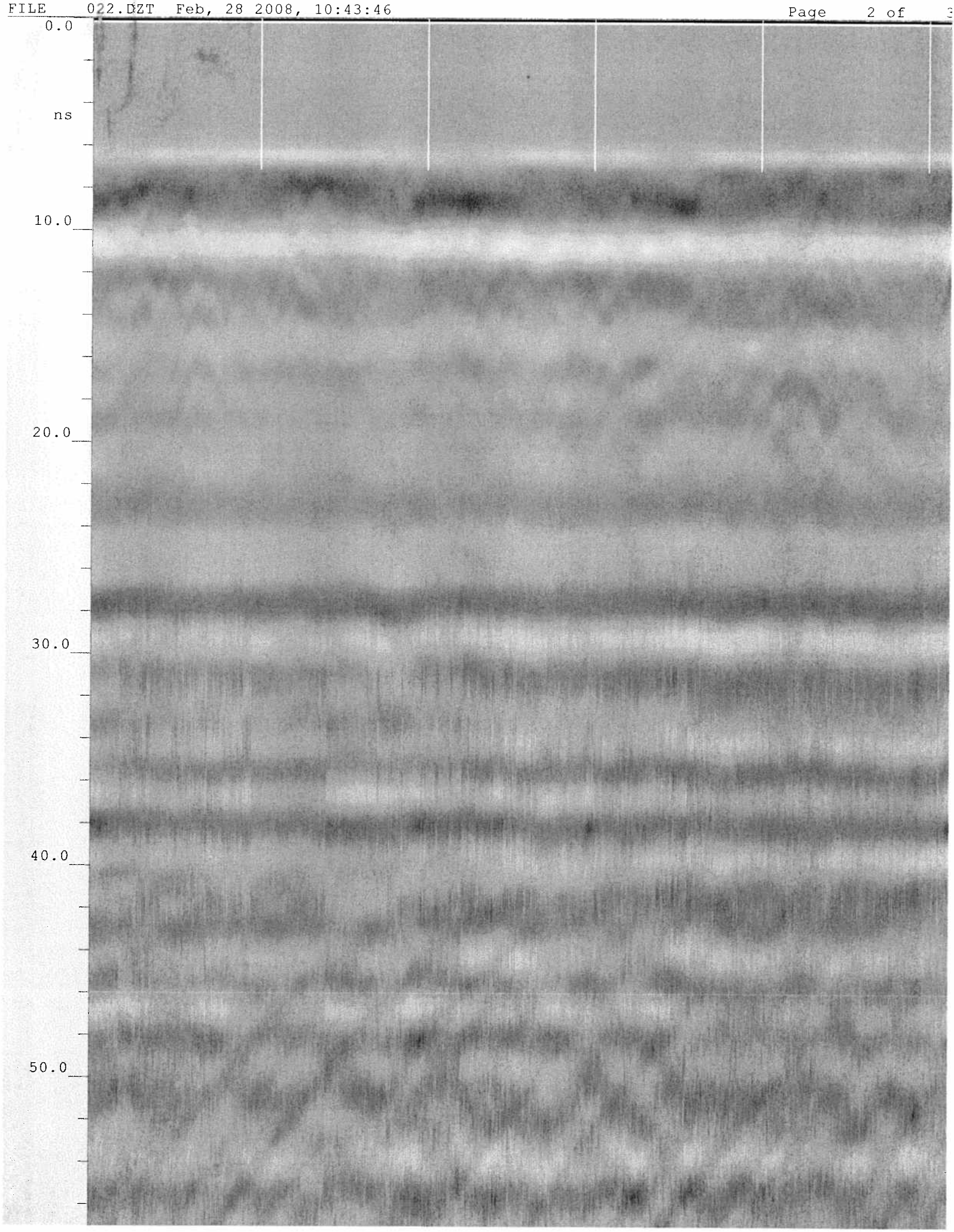
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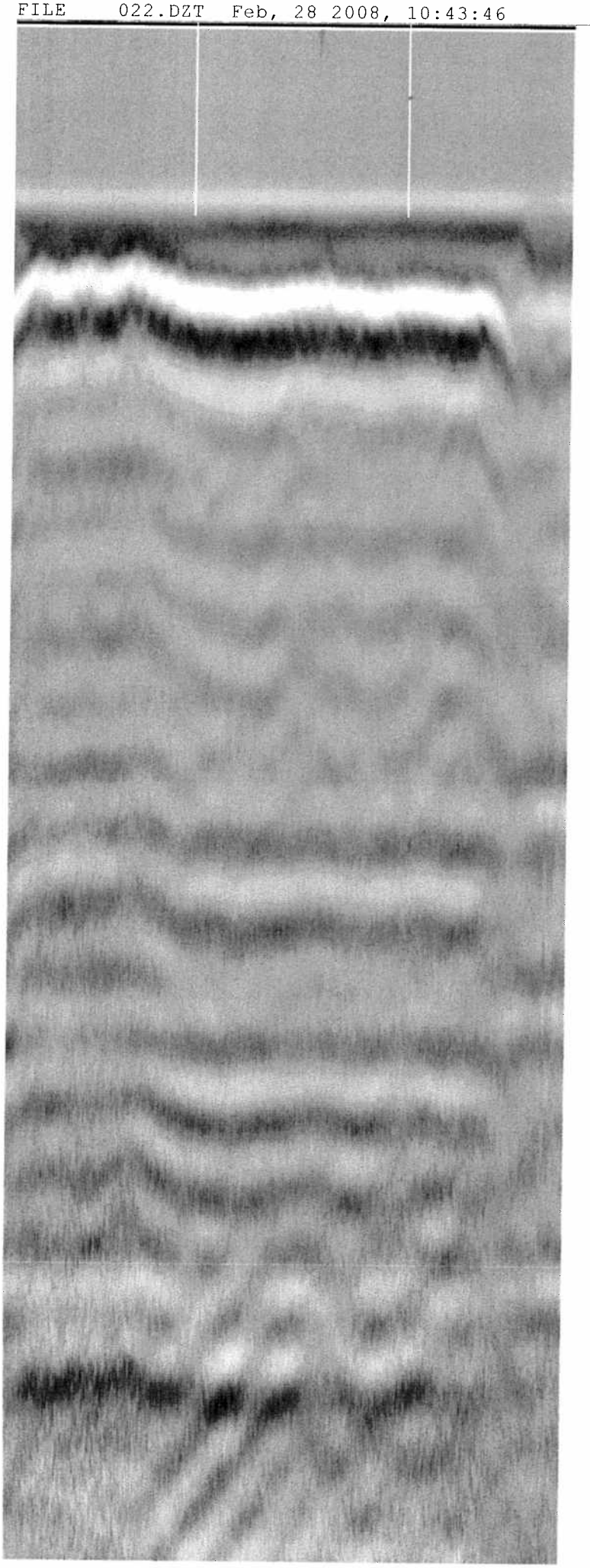

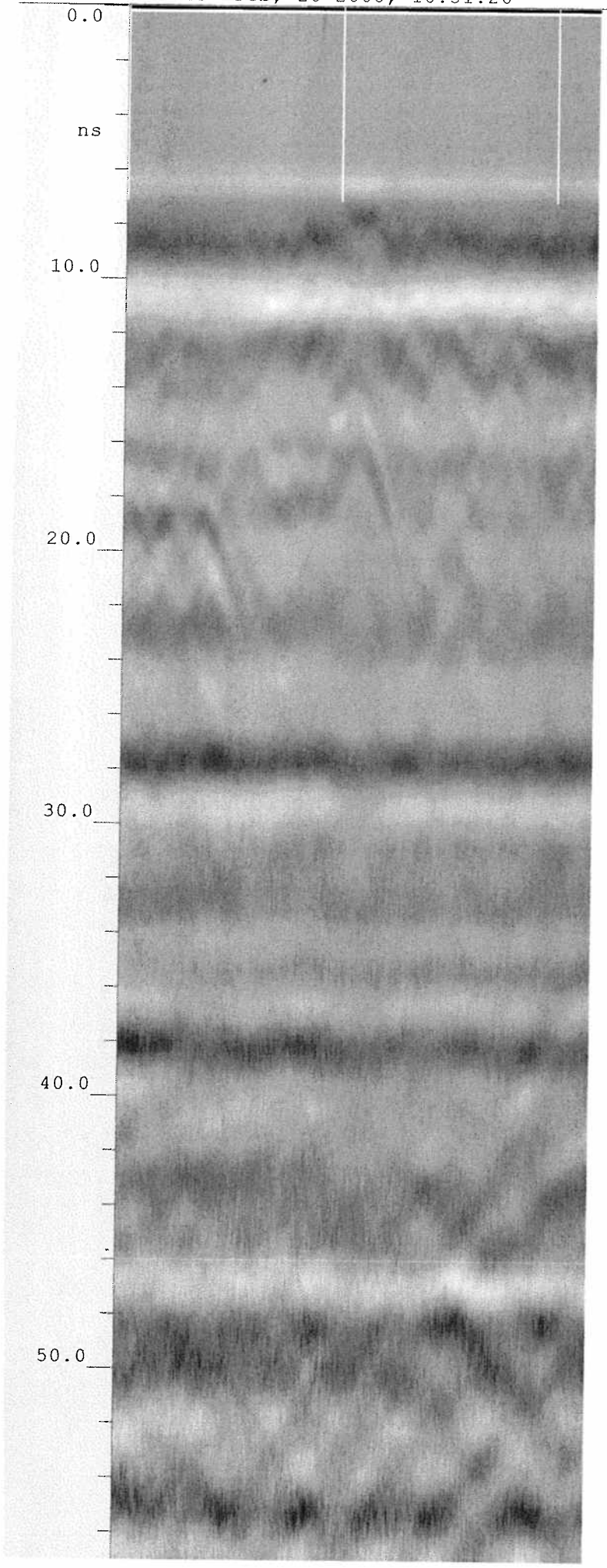
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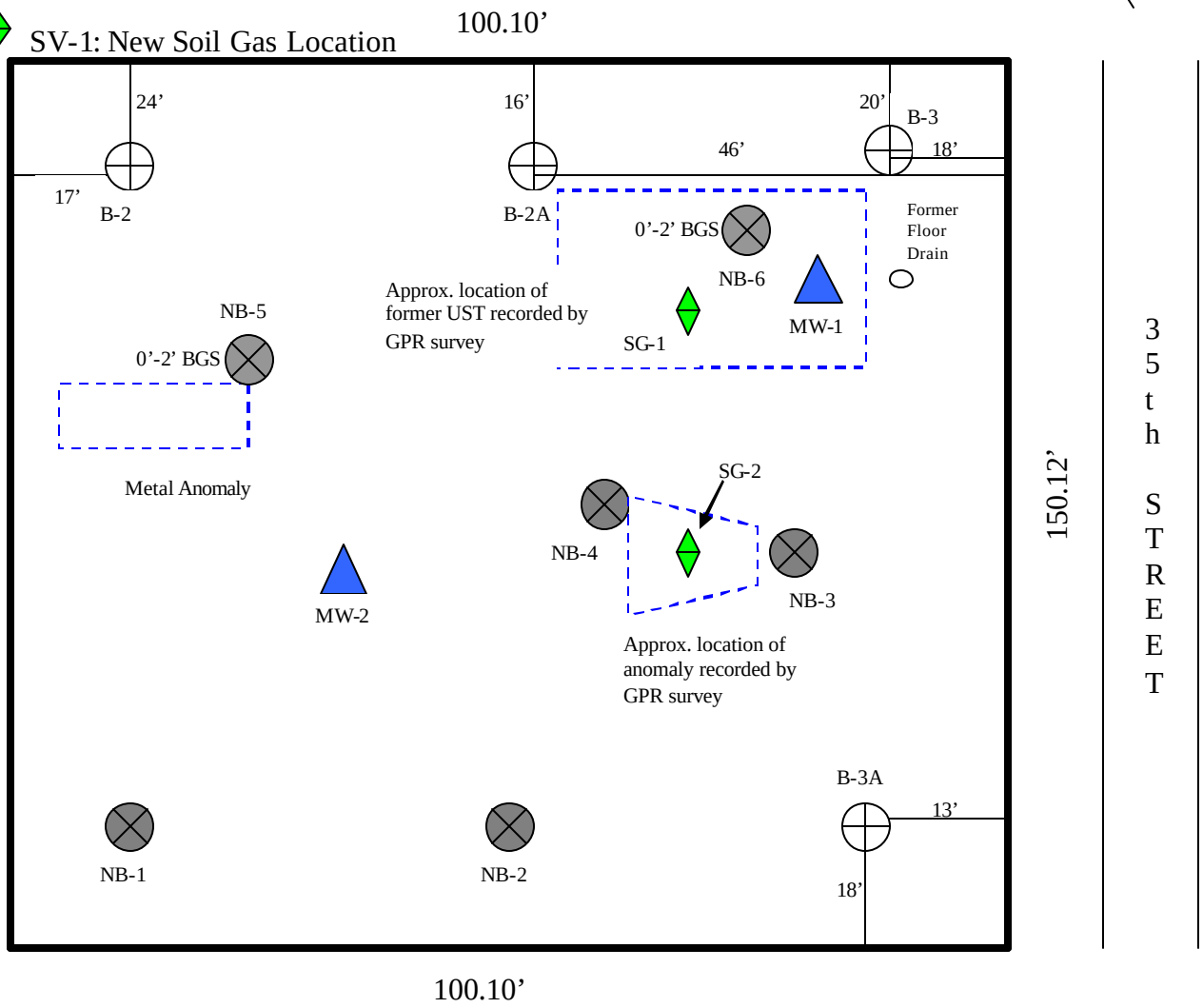
APPENDIX B

SITE SAMPLING PLAN

Legend:

- NB-1: New Soil Boring Location
- B-2: Previous Soil Boring Location
- MW-1: New Monitoring Well Location
- SV-1: New Soil Gas Location



Date: 7/1/2010

Not to Scale

Site Plan

Joseph D. Martines, P.E., PLLC.
15 Kirkwall Court
Rockville Centre, New York 11570

THE COMPLEX
34-22 35th Street
Astoria, New York

APPENDIX C

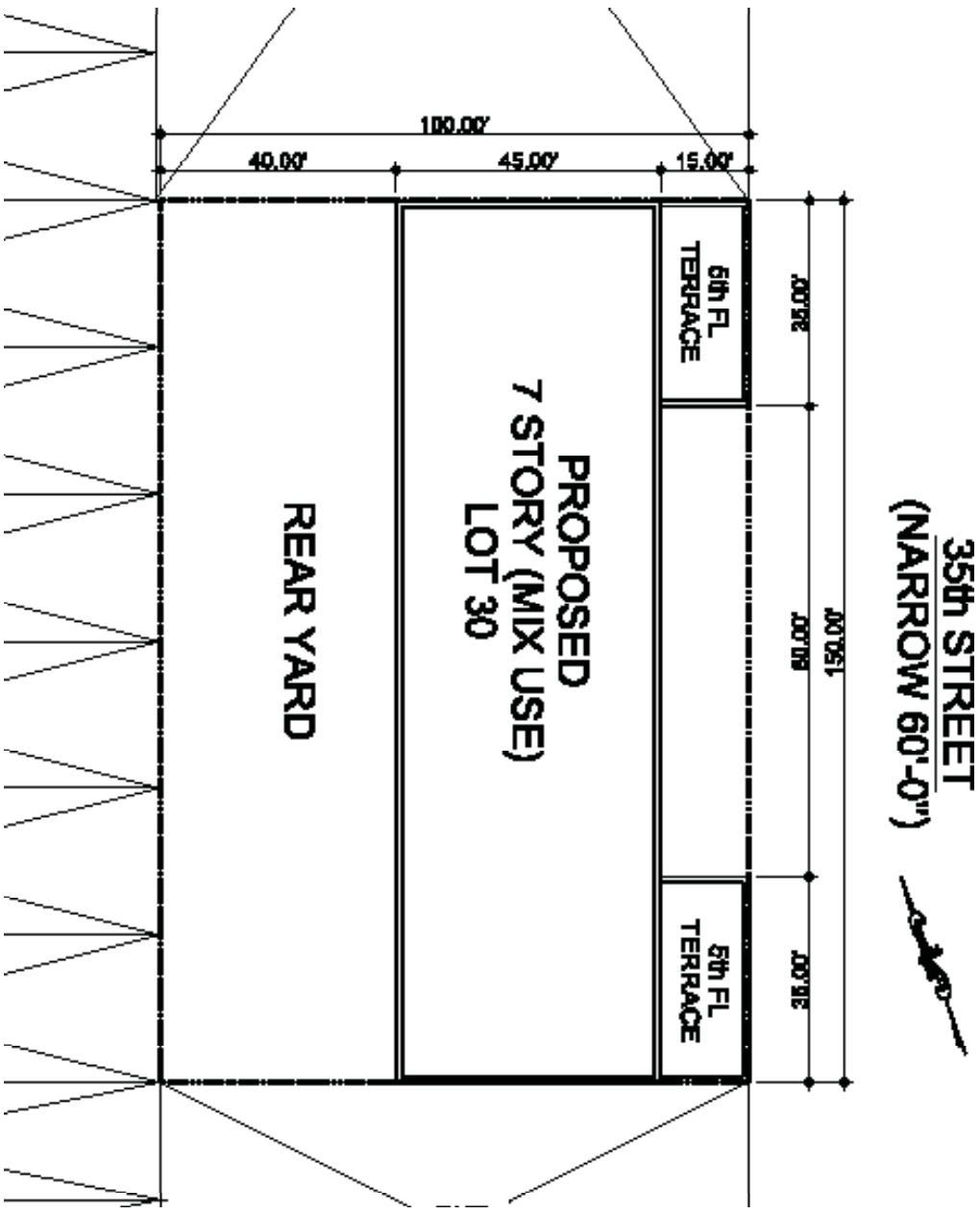
TABLES

TABLE 1

SAMPLING CONTAINERS, PRESERVATION AND HOLDING TIMES

PARAMETER	MATRIX	CONTAINER	PRESERVATION	HOLDING TIMES
Volatiles	Soil Water	Glass jar with TFE lined septum cap/2 oz. 40 ml. VOA vial w/HCL - TFE lined septum cap	Ice - 4°C	5 days until extraction.
Semi-Volatiles	Soil Water	Glass wide-mouth jar/4 oz. 1 liter amber colored glass jar	Ice - 4°C	7 days until extraction.
PCB and Pesticides	Soil Water	Glass wide-mouth jar/4oz 1 liter amber colored glass jar	Ice - 4°C	7 days until extraction.
TAL Metals	Soil Water	Glass wide mouth jar/4 oz. 250 milliliter plastic bottle with preservative, one 250 milliliter plastic bottle without preservative (filtered sample),	Ice - 4°C	7 days until extraction.

PROPERTY ADDRESS:	34-22 35TH ATREET QUEENS, NEW YORK 11106
BLOCK:	642
LOT(S):	36
ZONING MAP:	9b
ZONING DISTRICT:	C4-2A/ R6A
OCCUPANCY CLASS:	RESIDENTIAL & COMMERCIAL (MIX USE)
ZONING LOT AREA:	15,000 SQ FT
COMMUNITY DISTRICT:	QUEENS 1
NEAREST INTERSECTION:	34TH AVE
MAXIMUM FAR:	C4-2A
	RESIDENTIAL: 3.00 FAR
	COMMERCIAL: 3.00 FAR
	COMMUNITY FACILITY: 3.00 FAR
	TOTAL PERMITED: 3.00 FAR



USE REGULATIONS

USE GROUPS PERMITTED FOR C6

USE GROUP 1-2 - RESIDENTIAL USE
USE GROUP 3-4 - COMMUNITY FACILITY
USE GROUP 5-6 & 8-10 & 12 RETAIL & COMMERCIAL

BULK/ FLOOR AREA REGULATIONS

ZONING FLOOR AREA PERMITTED

LOT AREA X F.A.R.

RESIDENTIAL:	15,000 X 3.00 =	45,000 SF
COMMERCIAL:	15,000 X 3.00 =	45,000 SF
COMMINUTIY FACILTY:	15,000 X 3.00 =	45,000 SF
TOTAL PERMITED:	15,000 X 3.00 =	45,000 SF

MAXIMUM RESIDENTIAL LOT COVERAGE = 65%

HEIGHT AND SETBACK REGULATIONS

BUILDING BASE HEIGHT:

MINUM BASE HEIGHT:	40 FT
MAXIMUM BASE HEIGHT:	60 FT

SETBACKS REQUIRED (ABOVE MIN. OR MAX. BASE HEIGHT):

NARROW STREET:	15 FT
WIDE STREET:	10 FT
35TH STREET (NARROW ST.)	15 FT REQUIRED

BUILDING HEIGHT:

MAXIMUM BUIDLING HEIGHT:	70 FT

OTHER REGULATIONS

DENSITY REGULATION:

RESIDENTIAL FLOOR AREA	/	DENSITY FACTOR	=	NUMBER OF D.U.
44,000 SF	/	680	=	64.7
(65 D.U. REQUIRED)				

OTHER REGULATIONS CONTINUED

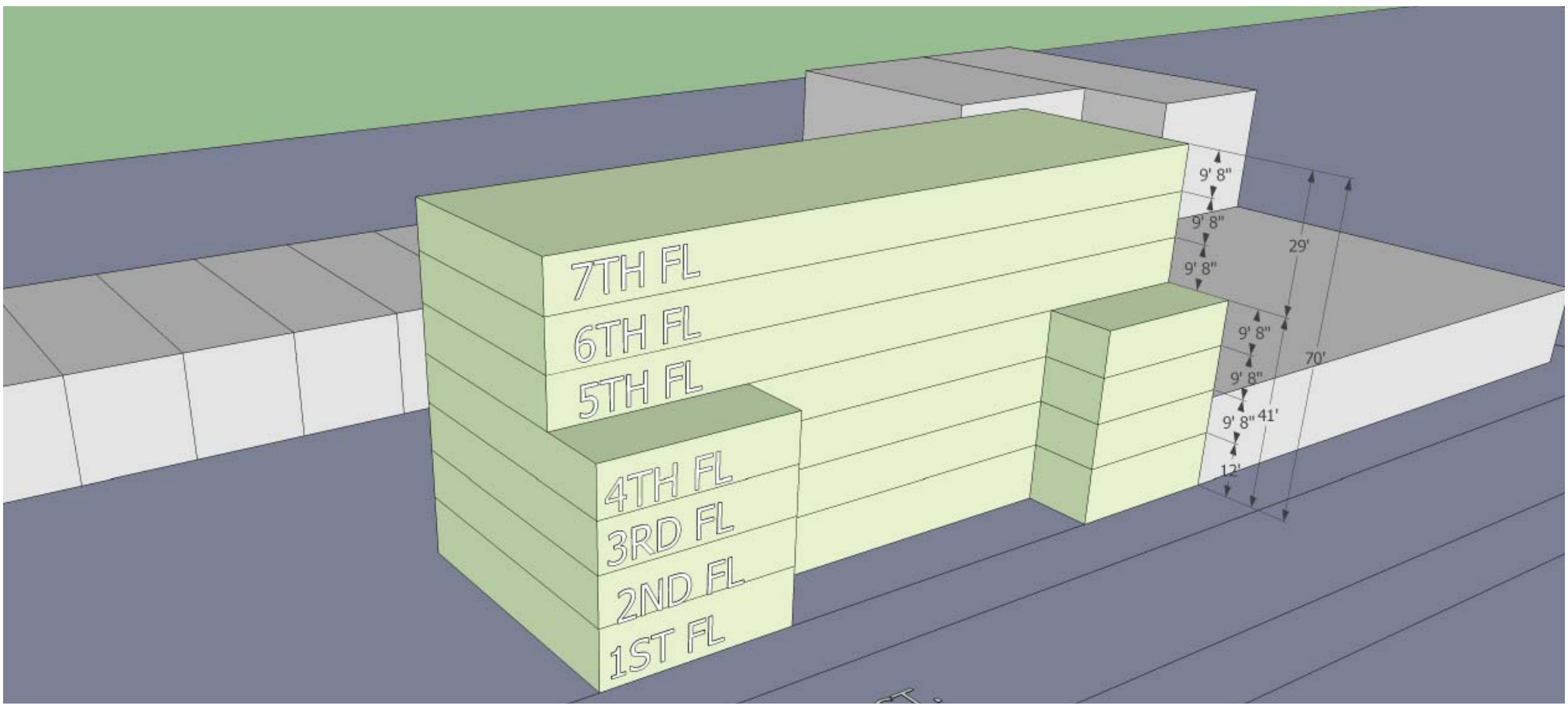
RESIDENTIAL PARKING REQUIREMENTS:

TOTAL NUMBER OF DWELLING UNITS	X	50%	=	TOTAL REQUIRED PARKING SPACES
65	X	50%	=	32.5 (33 REQUIRED PARKING SPACES)

COMMERCIAL PARKING REQUIREMENTS:

COMMERCIAL FLOOR AREA	/	400	=	TOTAL REQUIRED PARKING SPACES
1,000 SF	/	400	=	2.5 (3 REQUIRED PARKING SPACES)

TOTAL PARKING SPACES REQUIRED = 36 PARKING SPACES



	FLRS	FL-FL	GFA/ FL.	GROSS FLOOR AREA	MECH. DEDUCT.	QH DEDUCT. (0.5 CORR.)	QH DEDUCT. (REF. RM.)	EXT. WALL DEDUCT.	PARKING DEDUCT.	COMMERCIAL FLOOR AREA	RESIDENTIAL FLOOR AREA	TOTAL FLOOR AREA
Cellar			15,000 sf	15,000 sf								
Ground	1	12'-0"	7,800 sf	7,800 sf	234 sf				1,721 sf	1,000 sf	4,845 sf	5,845 sf
2nd - 4th	3	29'-0"	7,800 sf	23,400 sf	702 sf	750 sf	36 sf	837 sf			21,075 sf	21,075 sf
5th - 7th	3	29'-0"	6,750 sf	20,250 sf	608 sf	750 sf	36 sf	777 sf			18,080 sf	18,080 sf
TOTALS:	**7**	**70'-0"**		**66,450 sf**	**1,544 sf**	**1,500 sf**	**72 sf**	**1,614 sf**	**1,721 sf**	**1,000 sf**	**44,000 sf**	**45,000 sf**

subject to review and survey

QUALITY HOUSING REGULATIONS APPLY

34-22 35TH STREET QUEENS NEW YORK 11106

HTO
ARCHITECT
370 7th Ave - Suite 220
New York, NY 10001
212-695-3117:Main
212-695-3118: Fax

(SUBJECT TO SURVEY & DOB REVIEW)

OPTION 2 ZONING ANALYSIS

2014. 06.13

PHASE II ENVIRONMENTAL SITE ASSESSMENT

PREPARED FOR:

Damroc Realty Corp
185 Great Neck Road
Great Neck, NY 11021

FOR WORK AT:

Astoria Studio Apartments Rezoning Project
34-22 35th Street (Block 642, Lot 36)
34-32 35th Street (Block 642, Lot 42)
Astoria, NY

PREPARED BY:

Joseph D. Martines, P.E., PLLC
15 Kirkwall Court
Rockville Centre, NY 11570

February 2008

Joseph D. Martines, P.E., PLLC

2/1/08
Date

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1.0 INTRODUCTION

Joseph D. Martines, P.E., PLLC has prepared this Phase II Environmental Site Assessment (ESA) report on behalf of the purchaser, its successors and/or assigns for the properties located at 34-22 35th Street (Block 642, Lot 36) and 34-32 35th Street (Block 642, Lot 42) Astoria, New York, herein identified as the "Subject Property"

The subject property at lot 36 consists of two garage uses. The subject property at lot 42 consists of a twenty (20) space parking lot accessory to the Kaufman Astoria Studios located across the street from the site.

This Phase II ESA has been prepared on behalf of Damroc Realty Corp located at 185 Great Neck Road, Great Neck, NY 11021

1.1 Purpose

This Phase II ESA has been conducted to assess the potential presence of subsurface contaminants affecting the subject property based on historical, present, and adjacent uses of the sponsor owned lots.

This Phase II ESA is intended to provide the New York City Department of Environmental Protection (NYCDEP) with the requested environmental sampling documentation required assisting in the determination of the restrictive Declaration associated with the above-referenced property as part of the Astoria Studio Apartments Rezoning Project (06DCP042Q).

Specifically, the purpose of the investigation is to determine (through the advancement of soil borings) whether the soil and groundwater at the subject property have been impacted by volatile organic compounds (VOC's), base neutral/acid extractable semi-volatile organic compounds (SVOC's), Pesticides / Polychlorinated Biphenyls (PCB's) and Target Analyte List (TAL) Metals.

This Phase II ESA was conducted for the area of study in accordance with industry practice as

defined in the American Society for Testing and Materials (ASTM) Standard: Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E 1903-97).

The laboratory results of samples collected as part of this investigation have been evaluated based on applicable standards and guidance values promulgated by the New York State Department of Environmental Conservation (NYSDEC) in the Technical and Administrative Guidance Memorandum (TAGM) #4046, *"Determination of Soil Cleanup Objectives.* Presented herein are the results of the sampling and analyses performed by Joseph D. Martines, P.E., PLLC. as part of the Phase II ESA activities conducted on January 10, 2008 and January 11, 2008.

1.2 Scope of Work

The scope of work developed for the subject property was based on the New York City Department of Environmental Protection (NYCDEP) request for environmental sampling documentation assisting in the determination of the restrictive Declaration associated with the above-referenced property as part of the Astoria Studio Apartments Rezoning Project (06DCP042Q).

This Phase II ESA complies with the conclusions of the City Environmental Quality Review (CEQR) Environmental Assessment Statement Report prepared by the Environmental Project Data Statements Company.

The scope of work developed for this Phase II ESA included the collection of soil and potential groundwater samples (not encountered during this Phase II ESA event) for subsequent field screening and laboratory analysis from soil borings conducted at the site. In order to achieve this, the following scope of work was implemented:

January 10, 2008 field work activities:

- Advanced four (4) soil borings on Lot 42 using a Mobile 55 truck mounted drill rig with a slit spoon sampling core for the collection of four (4) soil samples for laboratory analysis

and field screening with a photo ionization detector (PID) meter. Groundwater samples were not taken as groundwater was not encountered at the deepest depth of the boring which was 25 feet below ground surface (bgs);

- Performed laboratory analysis on a total of four (4) soil samples for VOC's, SVOC's, Pesticides/PCBs and TAL Metals;

January 11, 2008 field work activities:

- Advanced four (4) soil borings on Lot 36 using a Mobile 55 truck mounted drill rig with a slit spoon sampling core for the collection of four (4) soil samples for laboratory analysis and field screening with a PID meter. Groundwater samples were not taken as groundwater was not encountered at the deepest depth of the boring which was 25 feet bgs;
- Performed laboratory analysis on a total of four (4) soil samples for VOC's, SVOC's, Pesticides/PCBs and TAL Metals;
- Prepared a Phase II ESA report describing environmental conditions, field activities, evaluation of findings and conclusions.

This assessment is limited to the scope of work described above, and to the depths and locations tested as part of this assessment.

1.3 Existing Conditions

Damroc Realty Corp. has begun a planned development of the site known as the "Astoria Studio Apartments Rezoning Project" which will require rezoning. The proposed rezoning is comprised of the eastern portion of the block bounded by 34th Street, 25th Street, 34 Avenue, and 35th Avenue in the Astoria neighborhood of the Borough of Queens. The proposed rezoning, from M1-5 to C4-2A, would facilitate the construction on the site of two buildings containing 60 dwelling units, approximately 7,866 square feet (SF) of ground floor retail space, a performing arts theater, and 62 parking spaces. The development would primarily be designed to house employees and people working at the Kaufman Astoria Studios located across the street from the site.

The area proposed to be rezoned, to be known as the "Astoria Studio Apartments Rezoning Project" consists of Tax Block 642, Lots 1, 30, 36, 42, 44, 45, 46 and 47, and totals approximately 62,060 square feet in area. The applicant for the proposed rezoning owns 22,738.21 square feet of the block including lot 36 which consists of two garage uses; lot 42 occupied by a 20 space parking lot accessory to the Kaufman Astoria Studios located across the street from the site; and lot 44 developed with a two family dwelling. These structures and uses would be removed in order to accommodate the proposed project. The remaining area of the property proposed to be rezoned includes lot 1 developed with a four-story office building; lot 30 developed with a one-story vacant garage building; lot 45 and 46 each of which contain a two-family residential building; and lot 47 occupied by a 10 space parking lot accessory to the office building on lot 1. The uses on these lots would all be conforming uses under the proposed C4-2A zoning.

The two (2) proposed seven-story buildings would each contain 30 dwelling units on six floors and their ground floor levels would each include approximately 3,933 square feet of retail commercial space. The buildings would total approximately 66,747 square feet of gross floor area, and would each reach a maximum height of 70 feet to their rooflines. The project would also include a 62-space accessory parking garage to be developed on a cellar floor level underlying the entire site. This parking area would be accessed via two (2) driveways connecting to the 35th Street frontage of the property. The development would be setback three feet from the front lot line and 33 feet from the property's rear lot line. An approximately 2,585 square foot inner court recreation area would be provided between the two buildings and an outdoor performing arts stage with pre-cast seating would extend behind this central court into a portion of the rear yard of the development. The bulk of the rear yard area to either side of the stage would be developed as a landscaped and paved open space. Most of the units would also be provided with balconies, and private terraces would be constructed on the building's fifth floor.

Lots 30, 45, 46 and 47 are potential development sites. The applicant does not control these lots and there is no known development plans for these sites at this time. However, the following potential development of these sites under the proposed action is explained in the CEQR Environmental Assessment Statement Report.

2.0 SITE ASSESSMENT METHODOLOGY

The Phase II ESA fieldwork was conducted on January 10, 2008 and January 11, 2008. This work was conducted in accordance with industry practice as defined in the ASTM Standard: Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process (E 1903-97).

Joseph D. Martines, P.E., PLLC contracted American Testing Laboratories, Inc. to perform a series of soil borings by using a Mobile 55 truck mounted drill rig with a slit spoon sampling core for sample collection. The following sections provide a description of the fieldwork activities.

2.1 Soil Sample Collection

As part of this assessment, American Testing Laboratories, Inc. advanced four (4) soil borings throughout Lot 42 on January 10, 2008 by using a Mobile 55 truck mounted drill rig with a slit spoon sampling core for sample collection. These soil borings were advanced until refusal prevented advancement of the sampling core, or until a depth of 25 feet was reached. The soil borings were designated B-1, B-1A, B-1B and B-1C. All the soil boring locations are shown on the Soil Boring Plan provided in Appendix A.

On January 11, 2008, American Testing Laboratories, Inc. advanced four (4) soil borings throughout Lot 36 utilizing the same Mobile 55 truck mounted drill rig with a slit spoon sampling core. Again these soils borings were advanced to 25 feet. Soil borings were designated B-2, B-2A, B-3 and B-3A.

All soil samples were collected for field screening with a photo ionization detector (PID). A total of eight (8) soil samples were collected from the soil borings for subsequent laboratory analysis.

2.1.1 Soil Sample Collection for Field Screening

On January 10 & 11, 2008, a representative of Joseph D. Martines, P.E., PLLC collected a total of eight (8) soil samples from the eight (8) borings. Soil samples were collected using a stainless steel split spoon sampling probe. Soil samples were transferred from the split spoon

using a single-use environmental grade disposable plastic scoop and placed into clean plastic bags. Each bag was labeled with the designated field sample number. The sample bags were then allowed to equilibrate.

2.1.2 Soil Sample Selection for Laboratory Analysis

The eight (8) soil samples (designated B-1, B-1A, B-1B, B-1C, B-2, B-2A, B-3 and B-3A) were collected for subsequent laboratory analysis by a representative of Joseph D. Martines, P.E., PLLC. The soil samples for laboratory analysis were selected from depths exhibiting unusual discoloration, odor, as well as elevated PID readings. The samples were placed into clean 2-ounce, 4-ounce and 8-ounce glass jars fitted with Teflon lined caps using a single-use environmental grade disposable plastic scoop.

Each jar was then labeled with designated sample identification, date and time of collection, and the requested laboratory analyses. Each soil sample jar was placed in a secure cooler in preparation for transport to the laboratory. The samples were then logged on a chain of custody document by sampling personnel, and remained in the custody of Joseph D. Martines, P.E., PLLC until transport of the samples to the analytical laboratory via hand delivery by a Joseph Martines, P.E, PLLC representative.

2.2 Field Screening and Analytical Test Methods

The eight (8) soil samples were collected for field screening with a photo ionization detector (PID), from which all eight (8) soil samples were selected based on field screening measurements and/or visual inspection for subsequent laboratory analyses.

2.2.1 Soil Field Screening

Due to below-freezing temperatures at the time of the sample collection, (which made it impossible for accurate PID readings), the soil samples that were collected for field screening were brought back to the Joseph D. Martines, P.E., PLLC offices and placed in a sample collection staging area to allow for samples to equilibrate with ambient temperature. The headspace of each of the soil samples was then screened for the presence of volatile organic

vapors using a PID. The PID was zero calibrated and checked with a known concentration of isobutylene prior to screening soil samples at the office.

2.2.2 Soil Laboratory Analysis

The eight (8) soil samples collected from the subject property were maintained in a secure refrigerator until hand delivery to Eco Test Laboratories, Inc., a New York State Certified Commercial Laboratory for analysis on January 16, 2008. These soil samples were analyzed for the presence of volatile organic compounds (VOC's) according to United States Environmental Protection Agency (US EPA) Method 8260; semi-volatile organic compounds (SVOC's) according to US EPA Method 8270; Pesticides / Polychlorinated Biphenyls (PCBs) according to US EPA Method 8081/8082; TAL Metals according to US EPA Method 6000/7000 series.

2.3 Groundwater sample collection

No groundwater samples were collected for laboratory analysis as each soil boring was drilled to a depth of 25 bgs were groundwater was not encountered. No collection of groundwater was required below our deepest soil sampling collection depth.

2.3.1 Groundwater Laboratory Analysis

No groundwater samples were analyzed as depth to groundwater was not encountered during our soil sampling activities.

3.0 FIELD SCREENING AND ANALYTICAL RESULTS

3.1 Field Screening Results

The field screening measurements for the eight (8) soil samples, collected on January 10 & 11, 2008 from the two lots, ranged from 0.0 parts per million (ppm) to 2.6 ppm. The soil boring locations are identified on the Soil Boring Plan provided in Appendix A. Field sample information and field screening results are provided in Appendix C.

3.2 Laboratory Analytical Results

The laboratory results for the soil samples collected from lots 36 and 42 on January 10, 2008 and January 11, 2008 respectively are discussed below.

3.2.1 Soil Sample Analytical Results

No volatile organic compounds (VOC's) were detected above the NYSDEC Recommended Soil Cleanup Objective (RSCO) in any of the eight (8) soil samples.

No Semi-volatile organic compounds (SVOC's) were detected above the NYSDEC Recommended Soil Cleanup Objective (RSCO) in any of the eight (8) soil samples.

No Pesticide compounds were detected above the NYSDEC Recommended Soil Cleanup Objective (RSCO) in any of the eight (8) soil samples.

No PCB compounds were detected above the NYSDEC Recommended Soil Cleanup Objective (RSCO) in any of the eight (8) soil samples.

TAL metals were identified at varying concentrations above the NYSDEC RSCO in soil samples B-1, B-1C, B-2 and B-2A.

Magnesium was detected in soil samples B-1, B-1C, B-2 and B-2A above the NYSDEC RSCO at an elevated concentration of 14,000 mg/kg at a depth of 6 feet, 9,500 mg/kg at a depth of 4

feet, 7,000 mg/kg at a depth of 7 feet, and 13,000 mg/kg at a depth of 6 feet, respectively

Zinc was detected in soil samples B-1, B-1C, B-2 and B-2A above the NYSDEC RSCO at elevated concentrations of 60 mg/kg at a depth of 7 feet, 60 mg/kg at a depth of 8 feet, 68 mg/kg at a depth of 4 feet and 63 mg/kg at a depth of 6 feet, respectively.

A summary table of the soil analytical data is provided in the following table. The laboratory analytical reports are provided in Appendix B.

Summary Analytical Results For Soil Samples Collected on January 10 & 11, 2008									
Target Analyte Metals	RSCO* mg/kg	B-1 mg/kg	B-1A mg/kg	B-1B mg/kg	B-1C mg/kg	B-2 mg/kg	B-2A mg/kg	B-3 mg/kg	B-3A mg/kg
Aluminum	SB (SB=33,000)	9,100	5,700	6,400	9,900	12,000	11,000	11,000	5,700
Antimony	SB (SB=N/A)	-	-	-	-	-	-	-	-
Arsenic	7.5 or SB (SB=3-12)	-	-	-	-	-	1.8	-	-
Barium	300 or SB (SB=15-600)	75	36	39	95	100	120	52	35
Beryllium	0.16 or SB (SB=0-1.75)	0.36	0.22	0.25	0.36	0.43	0.41	0.42	0.23
Cadmium	1 or SB (0.1 –1)	0.76	-	0.56	0.85	0.96	0.93	0.86	-
Calcium	SB (SB=130-35,000)	23,000	1,200	1,700	9,000	2,700	16,000	1,500	1,000
Chromium	10.0 or SB (SB=1.4-40)	21	12	15	24	29	25	19	11
Cobalt	30 or SB (SB=2.5-60)	9.0	5.5	6.4	10	12	10	9.3	**5.2**
Copper	25 or SB (SB=1-50)	16	9.7	10	19	20	19	24	**8**
Iron	2,000 or SB (SB=2,000-550,000)	16,000	9,300	12,000	17,000	20,000	19,000	16,000	8,300
Lead	SB (SB=200-500)	2.6	1.9	1.7	2.9	2.7	3	2.8	1.6

Magnesium	SB (SB=100-5,000)	**14,000**	2,600	3,700	**9,500**	**7,000**	**13,000**	4,500	2,400
Manganese	SB (SB=50-5,000)	280	280	240	330	360	490	38	260
Mercury	0.1 (SB=0.001-0.2)	0.007	-	0.0054	0.0065	-	-	0.010	0.0092
Nickel	13 or SB (SB=0.5-25)	18	12	12	19	21	19	18	11
Potassium	SB (SB=8,500-43,000)	3,400	970	1,800	3,700	3,700	4,300	1,200	990
Selenium	2 or SB (SB=0.1-3.9)	-	-	-	-	-	-	-	-
Silver	SB (SB=NA)	-	-	-	-	-	-	-	-
Sodium	SB (SB=6,000-8000)	-	-	-	-	-	-	-	-
Thallium	SB (SB=NA)	-	-	-	-	-	-	-	-
Vanadium	150 or SB (SB=1-300)	-	17	19	33	38	34	28	15
Zinc	20 or SB (SB=9-50)	**60**	28	35	**60**	**68**	**63**	48	27

- Analyte not detected.
mg/kg = milligrams per kilogram,
SB = site background metal levels for eastern USA in mg/kg, RSCO = Recommended Soil Cleanup Objectives pursuant to NYSDEC Technical and Administrative Guidance Memorandum (TAGM) #4046 "Determination of Soil Cleanup Objectives and Cleanup Levels". *Lead levels for metropolitan or suburban areas or near highways range from 200 – 500 ppm. Values in bold exceed the RSCO Values

4.0 EVALUATION OF RESULTS

4.1 Field Screening Results Evaluation

PID readings in field samples collected from lots 36 & 42 ranged from 0.0 ppm to 2.6 ppm. The PID is designed to detect volatile organic vapors, and the contaminants detected by the laboratory in the soil samples were primarily heavy metals. PID information is useful for qualitative screening purposes but is not accurate enough for evaluation with regulatory standards or guidance values.

4.2 Soil Sample Results Evaluation

The soil laboratory analytical results were evaluated in accordance with the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) #4046 "Determination of Soil Cleanup Objectives and Cleanup Levels".

All of the soil samples were collected from accessible areas of lots 36 & 42. None of the VOC's were above the NYSDEC RSCO. No SVOC's above the NYSDEC RSCO were detected at lots 36 & 42. TAL metals did not exceed the RSCO except for slightly elevated levels of Magnesium and Zinc above the United States Eastern Background Levels in sample numbers B-1, B-1C, B-2 and B-2A. PCB's were not detected above the NYSDEC RSCO limit.

4.3 Groundwater Sample Results Evaluation

No groundwater samples were collected for laboratory analysis as each soil boring was drilled to a depth of 25 bgs were groundwater was not encountered. No collection of groundwater was required below our deepest soil sampling collection depth.

5.0 CONCLUSIONS AND RECOMMENDATIONS

This Phase II Environmental Site Assessment complied with the conclusions of the City Environmental Quality Review (CEQR) Environmental Assessment Statement Report prepared by Environmental Project Data Statements Company and the NYCDEP Astoria Studio Apartments Rezoning Project (06DCP042Q).

No VOCs, SVOCs, pesticides, and PCBs exceeded the NYSDEC TAGM #4046 RSCO guidance values. Very slight exceedances of Magnesium and Zinc were reported in the subsurface soils at concentrations slightly above the eastern background guidance values. No other metals exceeded the RSCO or eastern background guidance values. These exceedances of Magnesium and Zinc do not pose an adverse environmental impact to humans or the environment as these soils may contain naturally higher eastern background levels of Magnesium and Zinc. These soils may also be considered urban fill which may remain in-place. During construction, soils may be encapsulated under impervious surfaces, such as the building structure, foundations, sidewalk and pavement limiting exposure. To ensure no inhalation of dust combined with slight exceedances of the two metals, all unpaved surfaces (such as grassy areas) could be capped with two feet of clean soil to limit dust exposure to the environment.

No groundwater samples were collected for laboratory analysis as each soil boring was drilled to a depth of 25 bgs were groundwater was not encountered. No collection of groundwater was required below our deepest soil sampling collection depth. Groundwater at the subject property is not used as a source of potable drinking water. New York City in conjunction with the NYCDEP supplies municipal potable drinking water via an upstate reservoir system.

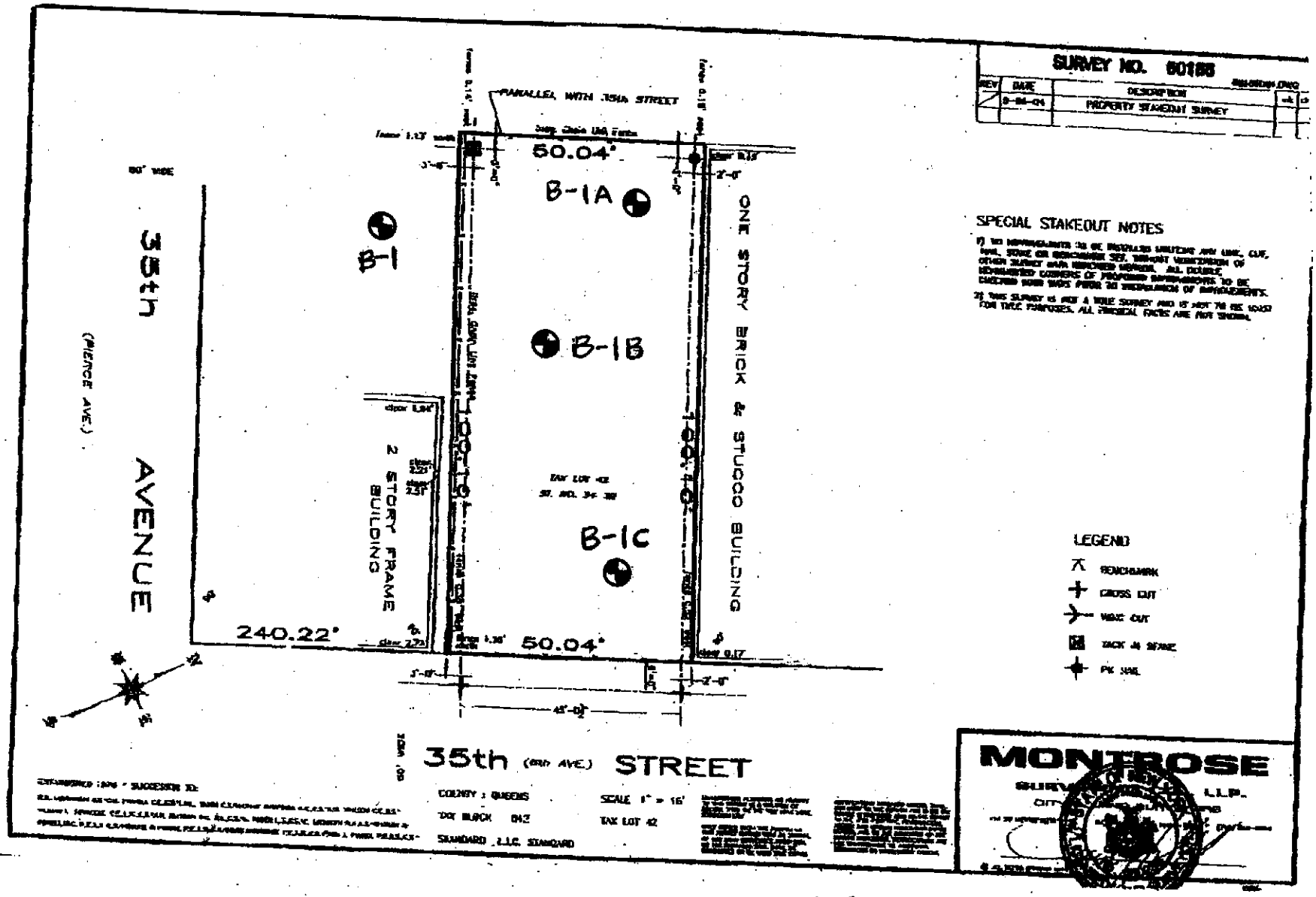
Joseph D. Martines, P.E., PLLC.

Joseph D. Martines, P.E.

2/1/08
Date

APPENDIX A

SOIL BORING PLAN



LEGEND

● B-1 SOIL BORING LOCATION

MAP OF PROPERTY AT LONG ISLAND CITY
BOROUGH OF QUEENS
NEW YORK CITY

GUARANTEED TO THE TITLE GUARANTEE & TRUST CO.

SURVEYED NOV. 9 1945 BY

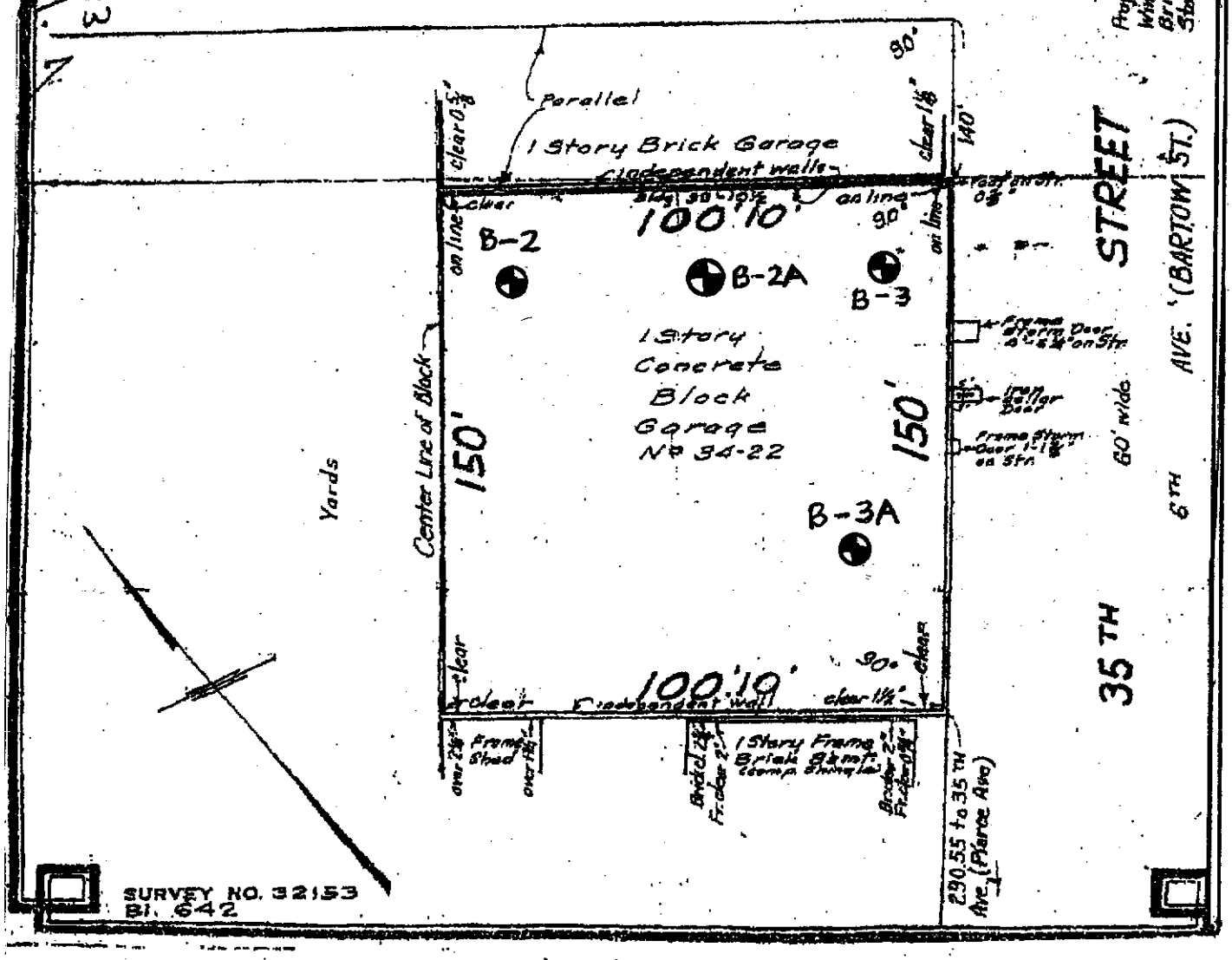
Keller & Powell

FRED J. POWELL, CAPT. LICENSED PROFESSIONAL ENGINEER AND LAND SURVEYOR

KELLER & POWELL CIVIL ENGINEERS AND LAND SURVEYORS 55-26 QUEENS BLVD. NEAR GRAND STREET ELMHURST, L. I. SUCCESSORS TO WM. L. SAVACOOL AND L. C. L. SMITH

SCALE: 1 inch = 30 FEET

DIMENSIONS UNLESS NOTED ARE IN LONG ISLAND STANDARD OF MEASUREMENT



SURVEY NO. 32153
BL. 642

LEGEND

● B-2 SOIL BORING LOCATION

APPENDIX B

LABORATORY ANALYTICAL REPORTS

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Vinyl Chloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Methylene Chloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromochloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloroform	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
111 Trichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Benzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Trichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Dibromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromodichloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Toluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1258 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
112 Trichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Tetrachloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chlorodibromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chlorobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Ethyl Benzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
m + p Xylene	ug/Kg	< 13		01/21/08	12.5	EPA8260
o Xylene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Styrene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromoform	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Isopropylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
123-Trichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
n-Propylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
2-Chlorotoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
4-Chlorotoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
tert-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
sec-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
n-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Dibromochloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Naphthalene(v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p-Ethyltoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Freon 113	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Acetone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Methylisobutylketone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p Diethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
% Solids		80		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1260 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Carbazole	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachloroethane	ug/Kg	< 38		01/21/08	37.5	EPA8270
Nitrobenzene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Isophorone	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		01/21/08	37.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Naphthalene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chloroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		01/21/08	375	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Acenaphthylene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		01/21/08	37.5	EPA8270
3-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Acenaphthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dibenzofuran	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Diethyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
Fluorene	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorobenzene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Phenanthrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		01/21/08	375	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1262 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.01 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

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1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Chlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Nitrophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
4-Nitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		01/21/08	375	EPA8270

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MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Heptachlor	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Aldrin	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
p,p-DDE	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Dieldrin	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Endrin	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
p,p-DDD	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
p,p-DDT	ug/Kg	< 5		01/21/08	5	EPA8081
Chlordane	ug/Kg	< 10		01/21/08	10	EPA8081
Toxaphene	ug/Kg	< 50		01/21/08	50	EPA8081
Endrin Aldehyde	ug/Kg	< 15		01/21/08	15	EPA8081
a BHC	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
b BHC	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
d BHC	ug/Kg	< 2.5		01/21/08	2.5	EPA8081
Endosulfan 1	ug/Kg	< 5		01/21/08	5	EPA8081

cc:

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MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 5		01/21/08	5	EPA8081
Endosulfan Sulfate	ug/Kg	< 15		01/21/08	15	EPA8081
Aroclor 1016	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1221	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1232	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1242	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1248	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1254	ug/Kg	< 50		01/21/08	50	EPA8082
Aroclor 1260	ug/Kg	< 50		01/21/08	50	EPA8082

cc:

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MATRIX:Soil SAMPLE: B-1

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	9100		01/21/08	1.25	EPA6010B
Antimony as Sb	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Arsenic as As	mg/Kg	< 1.3		01/21/08	1.25	EPA6010B
Barium as Ba	mg/Kg	75		01/21/08	0.625	EPA6010B
Beryllium as Be	mg/Kg	0.36		01/21/08	0.125	EPA6010B
Cadmium as Cd	mg/Kg	0.76		01/21/08	0.625	EPA6010B
Calcium as Ca	mg/Kg	23000		01/21/08	25	EPA6010B
Chromium as Cr	mg/Kg	21		01/21/08	0.625	EPA6010B
Cobalt as Co	mg/Kg	9.0		01/21/08	0.625	EPA6010B
Copper as Cu	mg/Kg	16		01/21/08	1.25	EPA6010B
Iron as Fe	mg/Kg	16000		01/21/08	1.25	EPA6010B
Lead as Pb	mg/Kg	2.6		01/21/08	0.625	EPA6010B
Magnesium as Mg	mg/Kg	14000		01/21/08	0.625	EPA6010B
Manganese as Mn	mg/Kg	280		01/21/08	1.25	EPA6010B
Mercury as Hg	mg/Kg	0.007		01/22/08	0.0062	EPA7470A
Nickel as Ni	mg/Kg	18		01/21/08	1.25	EPA6010B
Potassium as K	mg/Kg	3400		01/22/08	625	EPA6010B
Selenium as Se	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Silver as Ag	mg/Kg	< 0.63		01/21/08	0.625	EPA6010B
Sodium as Na	mg/Kg	< 130		01/21/08	125	EPA6010B
Thallium as Tl	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Vanadium as V	mg/Kg	28		01/24/08	0.625	EPA6010B
Zinc as Zn	mg/Kg	60		01/24/08	1.25	EPA6010B

cc:

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REMARKS:

DIRECTOR

rn = 1267 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Chloromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Vinyl Chloride	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Bromomethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Chloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Methylene Chloride	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Bromochloromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Chloroform	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
111 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Benzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Trichloroethene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Dibromomethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Bromodichloromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Toluene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
112 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Tetrachloroethene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Chlorodibromomethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Chlorobenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Ethyl Benzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
m + p Xylene	ug/Kg	< 11		01/21/08	10.638	EPA8260
o Xylene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Styrene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Bromoform	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Isopropylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Bromobenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
123-Trichloropropane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
n-Propylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
2-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
4-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
tert-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
sec-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260

cc:

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377 Sheffield Ave
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American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
n-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Dibromochloropropane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Naphthalene(v)	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
p-Ethyltoluene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Freon 113	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
Acetone	ug/Kg	< 53		01/21/08	53.191	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 53		01/21/08	53.191	EPA8260
Methylisobutylketone	ug/Kg	< 53		01/21/08	53.191	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
p Diethylbenzene	ug/Kg	< 5.3		01/21/08	5.3191	EPA8260
% Solids		94		01/17/08	0.1	SM182540G

cc:

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MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 32		01/21/08	31.914	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.914	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.914	EPA8270
Carbazole	ug/Kg	< 32		01/21/08	31.914	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.914	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 32		01/21/08	31.914	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 32		01/21/08	31.914	EPA8270
Hexachloroethane	ug/Kg	< 32		01/21/08	31.914	EPA8270
Nitrobenzene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Isophorone	ug/Kg	< 32		01/21/08	31.914	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 32		01/21/08	31.914	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 32		01/21/08	31.914	EPA8270
Naphthalene(sv)	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Chloroaniline	ug/Kg	< 32		01/21/08	31.914	EPA8270
Hexachlorobutadiene	ug/Kg	< 32		01/21/08	31.914	EPA8270
2-Methylnaphthalene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 320		01/21/08	319.14	EPA8270
2-Chloronaphthalene	ug/Kg	< 32		01/21/08	31.914	EPA8270
2-Nitroaniline	ug/Kg	< 32		01/21/08	31.914	EPA8270
Dimethyl Phthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
Acenaphthylene	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.914	EPA8270
3-Nitroaniline	ug/Kg	< 32		01/21/08	31.914	EPA8270
Acenaphthene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Dibenzofuran	ug/Kg	< 32		01/21/08	31.914	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Diethyl Phthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.914	EPA8270
Fluorene	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Nitroaniline	ug/Kg	< 32		01/21/08	31.914	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.914	EPA8270
Hexachlorobenzene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Phenanthrene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Anthracene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
Fluoranthene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Pyrene	ug/Kg	< 32		01/21/08	31.914	EPA8270
BenzylButylPhthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 320		01/21/08	319.14	EPA8270
Benzo(a)anthracene	ug/Kg	< 32		01/21/08	31.914	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1272 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 32		01/21/08	31.914	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Benzo(a)pyrene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 32		01/21/08	31.914	EPA8270
Benzo(ghi)perylene	ug/Kg	< 32		01/21/08	31.914	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2-Chlorophenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 32		01/21/08	31.914	EPA8270
2-Nitrophenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,4-Dimethylphenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,4-Dichlorophenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 32		01/21/08	31.914	EPA8270
2,4-Dinitrophenol	ug/Kg	< 320		01/21/08	319.14	EPA8270
4-Nitrophenol	ug/Kg	< 320		01/21/08	319.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 320		01/21/08	319.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 320		01/21/08	319.14	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1274 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Heptachlor	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Aldrin	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
p,p-DDE	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Dieldrin	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Endrin	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
p,p-DDD	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
p,p-DDT	ug/Kg	< 4.3		01/21/08	4.2553	EPA8081
Chlordane	ug/Kg	< 8.5		01/21/08	8.5106	EPA8081
Toxaphene	ug/Kg	< 43		01/21/08	42.553	EPA8081
Endrin Aldehyde	ug/Kg	< 13		01/21/08	12.765	EPA8081
a BHC	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
b BHC	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
d BHC	ug/Kg	< 2.1		01/21/08	2.1276	EPA8081
Endosulfan 1	ug/Kg	< 4.3		01/21/08	4.2553	EPA8081

cc:

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REMARKS:

DIRECTOR

rn = 1275 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.3		01/21/08	4.2553	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		01/21/08	12.765	EPA8081
Aroclor 1016	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1221	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1232	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1242	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1248	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1254	ug/Kg	< 43		01/21/08	42.553	EPA8082
Aroclor 1260	ug/Kg	< 43		01/21/08	42.553	EPA8082

cc:

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REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.02 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5700		01/21/08	1.0638	EPA6010B
Antimony as Sb	mg/Kg	< 2.1		01/21/08	2.1276	EPA6010B
Arsenic as As	mg/Kg	< 1.1		01/21/08	1.0638	EPA6010B
Barium as Ba	mg/Kg	36		01/21/08	0.5319	EPA6010B
Beryllium as Be	mg/Kg	0.22		01/21/08	0.1063	EPA6010B
Cadmium as Cd	mg/Kg	< 0.53		01/21/08	0.5319	EPA6010B
Calcium as Ca	mg/Kg	1200		01/21/08	21.276	EPA6010B
Chromium as Cr	mg/Kg	12		01/21/08	0.5319	EPA6010B
Cobalt as Co	mg/Kg	5.5		01/21/08	0.5319	EPA6010B
Copper as Cu	mg/Kg	9.7		01/21/08	1.0638	EPA6010B
Iron as Fe	mg/Kg	9300		01/21/08	1.0638	EPA6010B
Lead as Pb	mg/Kg	1.9		01/21/08	0.5319	EPA6010B
Magnesium as Mg	mg/Kg	2600		01/21/08	0.5319	EPA6010B
Manganese as Mn	mg/Kg	280		01/21/08	1.0638	EPA6010B
Mercury as Hg	mg/Kg	< 0.0053		01/22/08	0.0053	EPA7470A
Nickel as Ni	mg/Kg	12		01/21/08	1.0638	EPA6010B
Potassium as K	mg/Kg	970		01/21/08	106.38	EPA6010B
Selenium as Se	mg/Kg	< 2.1		01/21/08	2.1276	EPA6010B
Silver as Ag	mg/Kg	< 0.53		01/21/08	0.5319	EPA6010B
Sodium as Na	mg/Kg	< 110		01/21/08	106.38	EPA6010B
Thallium as Tl	mg/Kg	< 2.1		01/21/08	2.1276	EPA6010B
Vanadium as V	mg/Kg	17		01/21/08	0.5319	EPA6010B
Zinc as Zn	mg/Kg	28		01/21/08	1.0638	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1277 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Vinyl Chloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Methylene Chloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromochloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloroform	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
111 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Benzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Trichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Dibromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromodichloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Toluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1278 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
112 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Tetrachloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chlorodibromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chlorobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Ethyl Benzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
m + p Xylene	ug/Kg	< 11		01/21/08	10.526	EPA8260
o Xylene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Styrene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromoform	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Isopropylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
123-Trichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
n-Propylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
2-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
4-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
tert-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
sec-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
n-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Dibromochloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Naphthalene(v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p-Ethyltoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Freon 113	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Acetone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Methylisobutylketone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p Diethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
% Solids		95		01/17/08	0.1	SM182540G

cc:

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REMARKS:

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377 Sheffield Ave
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1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Carbazole	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachloroethane	ug/Kg	< 32		01/21/08	31.578	EPA8270
Nitrobenzene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Isophorone	ug/Kg	< 32		01/21/08	31.578	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 32		01/21/08	31.578	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Naphthalene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chloroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorobutadiene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Methylnaphthalene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 320		01/21/08	315.78	EPA8270
2-Chloronaphthalene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dimethyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Acenaphthylene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.578	EPA8270
3-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Acenaphthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dibenzofuran	ug/Kg	< 32		01/21/08	31.578	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Diethyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
Fluorene	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorobenzene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Phenanthrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Anthracene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Fluoranthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Pyrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
BenzylButylPhthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 320		01/21/08	315.78	EPA8270
Benzo(a)anthracene	ug/Kg	< 32		01/21/08	31.578	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(a)pyrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(ghi)perylene	ug/Kg	< 32		01/21/08	31.578	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Chlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Nitrophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dimethylphenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dinitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
4-Nitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 320		01/21/08	315.78	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1284 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Heptachlor	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Aldrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDE	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Dieldrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Endrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDD	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDT	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081
Chlordane	ug/Kg	< 8.4		01/22/08	8.4210	EPA8081
Toxaphene	ug/Kg	< 42		01/22/08	42.105	EPA8081
Endrin Aldehyde	ug/Kg	< 13		01/22/08	12.631	EPA8081
a BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
b BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
d BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Endosulfan 1	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1285 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		01/22/08	12.631	EPA8081
Aroclor 1016	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1221	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1232	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1242	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1248	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1254	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1260	ug/Kg	< 42		01/22/08	42.105	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1286 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.03 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1B

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6400		01/21/08	1.0526	EPA6010B
Antimony as Sb	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Arsenic as As	mg/Kg	< 1.1		01/21/08	1.0526	EPA6010B
Barium as Ba	mg/Kg	39		01/21/08	0.5263	EPA6010B
Beryllium as Be	mg/Kg	0.25		01/21/08	0.1052	EPA6010B
Cadmium as Cd	mg/Kg	0.56		01/21/08	0.5263	EPA6010B
Calcium as Ca	mg/Kg	1700		01/21/08	21.052	EPA6010B
Chromium as Cr	mg/Kg	15		01/21/08	0.5263	EPA6010B
Cobalt as Co	mg/Kg	6.4		01/21/08	0.5263	EPA6010B
Copper as Cu	mg/Kg	10		01/21/08	1.0526	EPA6010B
Iron as Fe	mg/Kg	12000		01/21/08	1.0526	EPA6010B
Lead as Pb	mg/Kg	1.7		01/21/08	0.5263	EPA6010B
Magnesium as Mg	mg/Kg	3700		01/21/08	0.5263	EPA6010B
Manganese as Mn	mg/Kg	240		01/21/08	1.0526	EPA6010B
Mercury as Hg	mg/Kg	0.0054		01/22/08	0.0052	EPA7470A
Nickel as Ni	mg/Kg	12		01/21/08	1.0526	EPA6010B
Potassium as K	mg/Kg	1800		01/22/08	210.52	EPA6010B
Selenium as Se	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Silver as Ag	mg/Kg	< 0.53		01/21/08	0.5263	EPA6010B
Sodium as Na	mg/Kg	< 110		01/21/08	105.26	EPA6010B
Thallium as Tl	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Vanadium as V	mg/Kg	19		01/21/08	0.5263	EPA6010B
Zinc as Zn	mg/Kg	35		01/21/08	1.0526	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1287 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Chloromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Vinyl Chloride	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Bromomethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Chloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Methylene Chloride	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Bromochloromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Chloroform	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
111 Trichloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Benzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Trichloroethene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Dibromomethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Bromodichloromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Toluene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1288 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
112 Trichloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Tetrachloroethene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Chlorodibromomethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Chlorobenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Ethyl Benzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
m + p Xylene	ug/Kg	< 12		01/21/08	11.627	EPA8260
o Xylene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Styrene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Bromoform	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Isopropylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Bromobenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
123-Trichloropropane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
n-Propylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
2-Chlorotoluene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
4-Chlorotoluene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
tert-Butylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
sec-Butylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
n-Butylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Dibromochloropropane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Naphthalene(v)	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
p-Ethyltoluene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Freon 113	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
Acetone	ug/Kg	< 58		01/21/08	58.139	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 58		01/21/08	58.139	EPA8260
Methylisobutylketone	ug/Kg	< 58		01/21/08	58.139	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
p Diethylbenzene	ug/Kg	< 5.8		01/21/08	5.8139	EPA8260
% Solids		86		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1290 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 35		01/21/08	34.883	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	34.883	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	34.883	EPA8270
Carbazole	ug/Kg	< 35		01/21/08	34.883	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	34.883	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 35		01/21/08	34.883	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 35		01/21/08	34.883	EPA8270
Hexachloroethane	ug/Kg	< 35		01/21/08	34.883	EPA8270
Nitrobenzene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Isophorone	ug/Kg	< 35		01/21/08	34.883	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 35		01/21/08	34.883	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 35		01/21/08	34.883	EPA8270
Naphthalene(sv)	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Chloroaniline	ug/Kg	< 35		01/21/08	34.883	EPA8270
Hexachlorobutadiene	ug/Kg	< 35		01/21/08	34.883	EPA8270
2-Methylnaphthalene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 350		01/21/08	348.83	EPA8270
2-Chloronaphthalene	ug/Kg	< 35		01/21/08	34.883	EPA8270
2-Nitroaniline	ug/Kg	< 35		01/21/08	34.883	EPA8270
Dimethyl Phthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
Acenaphthylene	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 35		01/21/08	34.883	EPA8270
3-Nitroaniline	ug/Kg	< 35		01/21/08	34.883	EPA8270
Acenaphthene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Dibenzofuran	ug/Kg	< 35		01/21/08	34.883	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1291 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Diethyl Phthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 35		01/21/08	34.883	EPA8270
Fluorene	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Nitroaniline	ug/Kg	< 35		01/21/08	34.883	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 35		01/21/08	34.883	EPA8270
Hexachlorobenzene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Phenanthrene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Anthracene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
Fluoranthene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Pyrene	ug/Kg	< 35		01/21/08	34.883	EPA8270
BenzylButylPhthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 350		01/21/08	348.83	EPA8270
Benzo(a)anthracene	ug/Kg	< 35		01/21/08	34.883	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1292 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 35		01/21/08	34.883	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Benzo(a)pyrene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 35		01/21/08	34.883	EPA8270
Benzo(ghi)perylene	ug/Kg	< 35		01/21/08	34.883	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2-Chlorophenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 35		01/21/08	34.883	EPA8270
2-Nitrophenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,4-Dimethylphenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,4-Dichlorophenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 35		01/21/08	34.883	EPA8270
2,4-Dinitrophenol	ug/Kg	< 350		01/21/08	348.83	EPA8270
4-Nitrophenol	ug/Kg	< 350		01/21/08	348.83	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 350		01/21/08	348.83	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 350		01/21/08	348.83	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1294 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Heptachlor	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Aldrin	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
p,p-DDE	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Dieldrin	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Endrin	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
p,p-DDD	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
p,p-DDT	ug/Kg	< 4.7		01/22/08	4.6511	EPA8081
Chlordane	ug/Kg	< 9.3		01/22/08	9.3023	EPA8081
Toxaphene	ug/Kg	< 47		01/22/08	46.511	EPA8081
Endrin Aldehyde	ug/Kg	< 14		01/22/08	13.953	EPA8081
a BHC	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
b BHC	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
d BHC	ug/Kg	< 2.3		01/22/08	2.3255	EPA8081
Endosulfan 1	ug/Kg	< 4.7		01/22/08	4.6511	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1295 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.7		01/22/08	4.6511	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		01/22/08	13.953	EPA8081
Aroclor 1016	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1221	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1232	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1242	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1248	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1254	ug/Kg	< 47		01/22/08	46.511	EPA8082
Aroclor 1260	ug/Kg	< 47		01/22/08	46.511	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.04 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/10/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-1D

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	9900		01/21/08	1.1627	EPA6010B
Antimony as Sb	mg/Kg	< 2.3		01/21/08	2.3255	EPA6010B
Arsenic as As	mg/Kg	< 1.2		01/21/08	1.1627	EPA6010B
Barium as Ba	mg/Kg	95		01/21/08	0.5813	EPA6010B
Beryllium as Be	mg/Kg	0.36		01/21/08	0.1162	EPA6010B
Cadmium as Cd	mg/Kg	0.85		01/21/08	0.5813	EPA6010B
Calcium as Ca	mg/Kg	9000		01/21/08	23.255	EPA6010B
Chromium as Cr	mg/Kg	24		01/21/08	0.5813	EPA6010B
Cobalt as Co	mg/Kg	10		01/21/08	0.5813	EPA6010B
Copper as Cu	mg/Kg	19		01/21/08	1.1627	EPA6010B
Iron as Fe	mg/Kg	17000		01/21/08	1.1627	EPA6010B
Lead as Pb	mg/Kg	2.9		01/21/08	0.5813	EPA6010B
Magnesium as Mg	mg/Kg	9500		01/21/08	0.5813	EPA6010B
Manganese as Mn	mg/Kg	330		01/21/08	1.1627	EPA6010B
Mercury as Hg	mg/Kg	0.0065		01/22/08	0.0058	EPA7470A
Nickel as Ni	mg/Kg	19		01/21/08	1.1627	EPA6010B
Potassium as K	mg/Kg	3700		01/22/08	581.39	EPA6010B
Selenium as Se	mg/Kg	< 2.3		01/21/08	2.3255	EPA6010B
Silver as Ag	mg/Kg	< 0.58		01/21/08	0.5813	EPA6010B
Sodium as Na	mg/Kg	< 120		01/21/08	116.27	EPA6010B
Thallium as Tl	mg/Kg	< 2.3		01/21/08	2.3255	EPA6010B
Vanadium as V	mg/Kg	33		01/21/08	0.5813	EPA6010B
Zinc as Zn	mg/Kg	60		01/21/08	1.1627	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1297 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Chloromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Vinyl Chloride	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Bromomethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Chloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Methylene Chloride	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Bromochloromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Chloroform	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
111 Trichloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Benzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Trichloroethene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Dibromomethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Bromodichloromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Toluene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1298 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
112 Trichloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Tetrachloroethene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Chlorodibromomethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Chlorobenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Ethyl Benzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
m + p Xylene	ug/Kg	< 12		01/21/08	11.904	EPA8260
o Xylene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Styrene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Bromoform	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Isopropylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Bromobenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
123-Trichloropropane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
n-Propylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
2-Chlorotoluene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
4-Chlorotoluene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
tert-Butylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
sec-Butylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1299 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
n-Butylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Dibromochloropropane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Naphthalene(v)	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
p-Ethyltoluene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Freon 113	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
Acetone	ug/Kg	< 60		01/21/08	59.523	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 60		01/21/08	59.523	EPA8260
Methylisobutylketone	ug/Kg	< 60		01/21/08	59.523	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
p Diethylbenzene	ug/Kg	< 6.0		01/21/08	5.9523	EPA8260
% Solids		84		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1300 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 36		01/21/08	35.714	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 36		01/21/08	35.714	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 36		01/21/08	35.714	EPA8270
Carbazole	ug/Kg	< 36		01/21/08	35.714	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 36		01/21/08	35.714	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 36		01/21/08	35.714	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 36		01/21/08	35.714	EPA8270
Hexachloroethane	ug/Kg	< 36		01/21/08	35.714	EPA8270
Nitrobenzene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Isophorone	ug/Kg	< 36		01/21/08	35.714	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 36		01/21/08	35.714	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 36		01/21/08	35.714	EPA8270
Naphthalene(sv)	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Chloroaniline	ug/Kg	< 36		01/21/08	35.714	EPA8270
Hexachlorobutadiene	ug/Kg	< 36		01/21/08	35.714	EPA8270
2-Methylnaphthalene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 360		01/21/08	357.14	EPA8270
2-Chloronaphthalene	ug/Kg	< 36		01/21/08	35.714	EPA8270
2-Nitroaniline	ug/Kg	< 36		01/21/08	35.714	EPA8270
Dimethyl Phthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
Acenaphthylene	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 36		01/21/08	35.714	EPA8270
3-Nitroaniline	ug/Kg	< 36		01/21/08	35.714	EPA8270
Acenaphthene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Dibenzofuran	ug/Kg	< 36		01/21/08	35.714	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1301 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Diethyl Phthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 36		01/21/08	35.714	EPA8270
Fluorene	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Nitroaniline	ug/Kg	< 36		01/21/08	35.714	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 36		01/21/08	35.714	EPA8270
Hexachlorobenzene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Phenanthrene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Anthracene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
Fluoranthene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Pyrene	ug/Kg	< 36		01/21/08	35.714	EPA8270
BenzylButylPhthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 360		01/21/08	357.14	EPA8270
Benzo(a)anthracene	ug/Kg	< 36		01/21/08	35.714	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1302 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 36		01/21/08	35.714	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Benzo(a)pyrene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 36		01/21/08	35.714	EPA8270
Benzo(ghi)perylene	ug/Kg	< 36		01/21/08	35.714	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1303 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2-Chlorophenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 36		01/21/08	35.714	EPA8270
2-Nitrophenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,4-Dimethylphenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,4-Dichlorophenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 36		01/21/08	35.714	EPA8270
2,4-Dinitrophenol	ug/Kg	< 360		01/21/08	357.14	EPA8270
4-Nitrophenol	ug/Kg	< 360		01/21/08	357.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 360		01/21/08	357.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 360		01/21/08	357.14	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1304 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Heptachlor	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Aldrin	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
p,p-DDE	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Dieldrin	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Endrin	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
p,p-DDD	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
p,p-DDT	ug/Kg	< 4.8		01/22/08	4.7619	EPA8081
Chlordane	ug/Kg	< 9.5		01/22/08	9.5238	EPA8081
Toxaphene	ug/Kg	< 48		01/22/08	47.619	EPA8081
Endrin Aldehyde	ug/Kg	< 14		01/22/08	14.285	EPA8081
a BHC	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
b BHC	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
d BHC	ug/Kg	< 2.4		01/22/08	2.3809	EPA8081
Endosulfan 1	ug/Kg	< 4.8		01/22/08	4.7619	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1305 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.8		01/22/08	4.7619	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		01/22/08	14.285	EPA8081
Aroclor 1016	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1221	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1232	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1242	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1248	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1254	ug/Kg	< 48		01/22/08	47.619	EPA8082
Aroclor 1260	ug/Kg	< 48		01/22/08	47.619	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.05 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	12000		01/21/08	1.1904	EPA6010B
Antimony as Sb	mg/Kg	< 2.4		01/21/08	2.3809	EPA6010B
Arsenic as As	mg/Kg	< 1.2		01/21/08	1.1904	EPA6010B
Barium as Ba	mg/Kg	100		01/21/08	0.5952	EPA6010B
Beryllium as Be	mg/Kg	0.43		01/21/08	0.1190	EPA6010B
Cadmium as Cd	mg/Kg	0.96		01/21/08	0.5952	EPA6010B
Calcium as Ca	mg/Kg	2700		01/21/08	23.809	EPA6010B
Chromium as Cr	mg/Kg	29		01/21/08	0.5952	EPA6010B
Cobalt as Co	mg/Kg	12		01/21/08	0.5952	EPA6010B
Copper as Cu	mg/Kg	20		01/21/08	1.1904	EPA6010B
Iron as Fe	mg/Kg	20000		01/21/08	1.1904	EPA6010B
Lead as Pb	mg/Kg	2.7		01/21/08	0.5952	EPA6010B
Magnesium as Mg	mg/Kg	7000		01/21/08	0.5952	EPA6010B
Manganese as Mn	mg/Kg	360		01/21/08	1.1904	EPA6010B
Mercury as Hg	mg/Kg	< 0.0060		01/22/08	0.0059	EPA7470A
Nickel as Ni	mg/Kg	21		01/21/08	1.1904	EPA6010B
Potassium as K	mg/Kg	3700		01/22/08	595.23	EPA6010B
Selenium as Se	mg/Kg	< 2.4		01/21/08	2.3809	EPA6010B
Silver as Ag	mg/Kg	< 0.60		01/21/08	0.5952	EPA6010B
Sodium as Na	mg/Kg	< 120		01/21/08	119.04	EPA6010B
Thallium as Tl	mg/Kg	< 2.4		01/21/08	2.3809	EPA6010B
Vanadium as V	mg/Kg	38		01/21/08	0.5952	EPA6010B
Zinc as Zn	mg/Kg	68		01/21/08	1.1904	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1307 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Vinyl Chloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Methylene Chloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromochloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chloroform	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
111 Trichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Benzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Trichloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Dibromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromodichloromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Toluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1308 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
112 Trichloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Tetrachloroethene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chlorodibromomethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Chlorobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Ethyl Benzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
m + p Xylene	ug/Kg	< 13		01/21/08	12.5	EPA8260
o Xylene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Styrene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromoform	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Isopropylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Bromobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
123-Trichloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
n-Propylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
2-Chlorotoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
4-Chlorotoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
tert-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
sec-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1309 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
n-Butylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Dibromochloropropane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Naphthalene(v)	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p-Ethyltoluene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Freon 113	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
Acetone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Methylisobutylketone	ug/Kg	< 63		01/21/08	62.5	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
p Diethylbenzene	ug/Kg	< 6.3		01/21/08	6.25	EPA8260
% Solids		80		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Carbazole	ug/Kg	< 38		01/21/08	37.5	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachloroethane	ug/Kg	< 38		01/21/08	37.5	EPA8270
Nitrobenzene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Isophorone	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 38		01/21/08	37.5	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
Naphthalene(sv)	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chloroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorobutadiene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Methylnaphthalene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 380		01/21/08	375	EPA8270
2-Chloronaphthalene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dimethyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Acenaphthylene	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 38		01/21/08	37.5	EPA8270
3-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
Acenaphthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dibenzofuran	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1311 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Diethyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
Fluorene	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Nitroaniline	ug/Kg	< 38		01/21/08	37.5	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 38		01/21/08	37.5	EPA8270
Hexachlorobenzene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Phenanthrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
BenzylButylPhthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 380		01/21/08	375	EPA8270
Benzo(a)anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1312 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(a)pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 38		01/21/08	37.5	EPA8270
Benzo(ghi)perylene	ug/Kg	< 38		01/21/08	37.5	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Chlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 38		01/21/08	37.5	EPA8270
2-Nitrophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dimethylphenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 38		01/21/08	37.5	EPA8270
2,4-Dinitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
4-Nitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 380		01/21/08	375	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 380		01/21/08	375	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1314 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Heptachlor	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Aldrin	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
p,p-DDE	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Dieldrin	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Endrin	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
p,p-DDD	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
p,p-DDT	ug/Kg	< 5		01/22/08	5	EPA8081
Chlordane	ug/Kg	< 10		01/22/08	10	EPA8081
Toxaphene	ug/Kg	< 50		01/22/08	50	EPA8081
Endrin Aldehyde	ug/Kg	< 15		01/22/08	15	EPA8081
a BHC	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
b BHC	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
d BHC	ug/Kg	< 2.5		01/22/08	2.5	EPA8081
Endosulfan 1	ug/Kg	< 5		01/22/08	5	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 5		01/22/08	5	EPA8081
Endosulfan Sulfate	ug/Kg	< 15		01/22/08	15	EPA8081
Aroclor 1016	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1221	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1232	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1242	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1248	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1254	ug/Kg	< 50		01/22/08	50	EPA8082
Aroclor 1260	ug/Kg	< 50		01/22/08	50	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.06 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-2A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	11000		01/21/08	1.25	EPA6010B
Antimony as Sb	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Arsenic as As	mg/Kg	1.8		01/21/08	1.25	EPA6010B
Barium as Ba	mg/Kg	120		01/21/08	0.625	EPA6010B
Beryllium as Be	mg/Kg	0.41		01/21/08	0.125	EPA6010B
Cadmium as Cd	mg/Kg	0.93		01/21/08	0.625	EPA6010B
Calcium as Ca	mg/Kg	16000		01/21/08	25	EPA6010B
Chromium as Cr	mg/Kg	25		01/21/08	0.625	EPA6010B
Cobalt as Co	mg/Kg	10		01/21/08	0.625	EPA6010B
Copper as Cu	mg/Kg	19		01/21/08	1.25	EPA6010B
Iron as Fe	mg/Kg	19000		01/21/08	1.25	EPA6010B
Lead as Pb	mg/Kg	3		01/21/08	0.625	EPA6010B
Magnesium as Mg	mg/Kg	13000		01/21/08	0.625	EPA6010B
Manganese as Mn	mg/Kg	490		01/21/08	1.25	EPA6010B
Mercury as Hg	mg/Kg	< 0.0063		01/22/08	0.0062	EPA7470A
Nickel as Ni	mg/Kg	19		01/21/08	1.25	EPA6010B
Potassium as K	mg/Kg	4300		01/22/08	625	EPA6010B
Selenium as Se	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Silver as Ag	mg/Kg	< 0.63		01/21/08	0.625	EPA6010B
Sodium as Na	mg/Kg	< 130		01/21/08	125	EPA6010B
Thallium as Tl	mg/Kg	< 2.5		01/21/08	2.5	EPA6010B
Vanadium as V	mg/Kg	34		01/21/08	0.625	EPA6010B
Zinc as Zn	mg/Kg	63		01/21/08	1.25	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1317 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Chloromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Vinyl Chloride	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Bromomethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Chloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Methylene Chloride	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Bromochloromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Chloroform	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
111 Trichloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Benzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Trichloroethene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Dibromomethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Bromodichloromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Toluene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1318 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
112 Trichloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Tetrachloroethene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Chlorodibromomethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Chlorobenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Ethyl Benzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
m + p Xylene	ug/Kg	< 12		01/21/08	11.764	EPA8260
o Xylene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Styrene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Bromoform	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Isopropylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Bromobenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
123-Trichloropropane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
n-Propylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
2-Chlorotoluene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
4-Chlorotoluene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
tert-Butylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
sec-Butylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1319 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
n-Butylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Dibromochloropropane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Naphthalene(v)	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
p-Ethyltoluene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Freon 113	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
Acetone	ug/Kg	< 59		01/21/08	58.823	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 59		01/21/08	58.823	EPA8260
Methylisobutylketone	ug/Kg	< 59		01/21/08	58.823	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
p Diethylbenzene	ug/Kg	< 5.9		01/21/08	5.8823	EPA8260
% Solids		85		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1320 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 35		01/21/08	35.294	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	35.294	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	35.294	EPA8270
Carbazole	ug/Kg	< 35		01/21/08	35.294	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 35		01/21/08	35.294	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 35		01/21/08	35.294	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 35		01/21/08	35.294	EPA8270
Hexachloroethane	ug/Kg	< 35		01/21/08	35.294	EPA8270
Nitrobenzene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Isophorone	ug/Kg	< 35		01/21/08	35.294	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 35		01/21/08	35.294	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 35		01/21/08	35.294	EPA8270
Naphthalene(sv)	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Chloroaniline	ug/Kg	< 35		01/21/08	35.294	EPA8270
Hexachlorobutadiene	ug/Kg	< 35		01/21/08	35.294	EPA8270
2-Methylnaphthalene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 350		01/21/08	352.94	EPA8270
2-Chloronaphthalene	ug/Kg	< 35		01/21/08	35.294	EPA8270
2-Nitroaniline	ug/Kg	< 35		01/21/08	35.294	EPA8270
Dimethyl Phthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
Acenaphthylene	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 35		01/21/08	35.294	EPA8270
3-Nitroaniline	ug/Kg	< 35		01/21/08	35.294	EPA8270
Acenaphthene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Dibenzofuran	ug/Kg	< 35		01/21/08	35.294	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1321 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Diethyl Phthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 35		01/21/08	35.294	EPA8270
Fluorene	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Nitroaniline	ug/Kg	< 35		01/21/08	35.294	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 35		01/21/08	35.294	EPA8270
Hexachlorobenzene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Phenanthrene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Anthracene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
Fluoranthene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Pyrene	ug/Kg	< 35		01/21/08	35.294	EPA8270
BenzylButylPhthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 350		01/21/08	352.94	EPA8270
Benzo(a)anthracene	ug/Kg	< 35		01/21/08	35.294	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 35		01/21/08	35.294	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Benzo(a)pyrene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 35		01/21/08	35.294	EPA8270
Benzo(ghi)perylene	ug/Kg	< 35		01/21/08	35.294	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1323 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2-Chlorophenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 35		01/21/08	35.294	EPA8270
2-Nitrophenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,4-Dimethylphenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,4-Dichlorophenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 35		01/21/08	35.294	EPA8270
2,4-Dinitrophenol	ug/Kg	< 350		01/21/08	352.94	EPA8270
4-Nitrophenol	ug/Kg	< 350		01/21/08	352.94	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 350		01/21/08	352.94	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 350		01/21/08	352.94	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1324 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Heptachlor	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Aldrin	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
p,p-DDE	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Dieldrin	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Endrin	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
p,p-DDD	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
p,p-DDT	ug/Kg	< 4.7		01/22/08	4.7058	EPA8081
Chlordane	ug/Kg	< 9.4		01/22/08	9.4117	EPA8081
Toxaphene	ug/Kg	< 47		01/22/08	47.058	EPA8081
Endrin Aldehyde	ug/Kg	< 14		01/22/08	14.117	EPA8081
a BHC	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
b BHC	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
d BHC	ug/Kg	< 2.4		01/22/08	2.3529	EPA8081
Endosulfan 1	ug/Kg	< 4.7		01/22/08	4.7058	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1325 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.7		01/22/08	4.7058	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		01/22/08	14.117	EPA8081
Aroclor 1016	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1221	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1232	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1242	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1248	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1254	ug/Kg	< 47		01/22/08	47.058	EPA8082
Aroclor 1260	ug/Kg	< 47		01/22/08	47.058	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1326 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.07 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	11000		01/21/08	1.1764	EPA6010B
Antimony as Sb	mg/Kg	< 2.4		01/21/08	2.3529	EPA6010B
Arsenic as As	mg/Kg	< 1.2		01/21/08	1.1764	EPA6010B
Barium as Ba	mg/Kg	52		01/21/08	0.5882	EPA6010B
Beryllium as Be	mg/Kg	0.42		01/21/08	0.1176	EPA6010B
Cadmium as Cd	mg/Kg	0.86		01/21/08	0.5882	EPA6010B
Calcium as Ca	mg/Kg	1500		01/21/08	23.529	EPA6010B
Chromium as Cr	mg/Kg	19		01/21/08	0.5882	EPA6010B
Cobalt as Co	mg/Kg	9.3		01/21/08	0.5882	EPA6010B
Copper as Cu	mg/Kg	24		01/21/08	1.1764	EPA6010B
Iron as Fe	mg/Kg	16000		01/21/08	1.1764	EPA6010B
Lead as Pb	mg/Kg	2.8		01/21/08	0.5882	EPA6010B
Magnesium as Mg	mg/Kg	4500		01/21/08	0.5882	EPA6010B
Manganese as Mn	mg/Kg	380		01/21/08	1.1764	EPA6010B
Mercury as Hg	mg/Kg	0.010		01/22/08	0.0058	EPA7470A
Nickel as Ni	mg/Kg	18		01/21/08	1.1764	EPA6010B
Potassium as K	mg/Kg	1200		01/21/08	117.64	EPA6010B
Selenium as Se	mg/Kg	< 2.4		01/21/08	2.3529	EPA6010B
Silver as Ag	mg/Kg	< 0.59		01/21/08	0.5882	EPA6010B
Sodium as Na	mg/Kg	< 120		01/21/08	117.64	EPA6010B
Thallium as Tl	mg/Kg	< 2.4		01/21/08	2.3529	EPA6010B
Vanadium as V	mg/Kg	28		01/21/08	0.5882	EPA6010B
Zinc as Zn	mg/Kg	48		01/21/08	1.1764	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1327 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlordifluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Vinyl Chloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Methylene Chloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromochloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chloroform	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
111 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Benzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Trichloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Dibromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromodichloromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Toluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1328 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
112 Trichloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Tetrachloroethene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chlorodibromomethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Chlorobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Ethyl Benzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
m + p Xylene	ug/Kg	< 11		01/21/08	10.526	EPA8260
o Xylene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Styrene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromoform	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Isopropylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Bromobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
123-Trichloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
n-Propylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
2-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
4-Chlorotoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
tert-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
sec-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1329 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
n-Butylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Dibromochloropropane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Naphthalene(v)	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p-Ethyltoluene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Freon 113	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
Acetone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Methylisobutylketone	ug/Kg	< 53		01/21/08	52.631	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
p Diethylbenzene	ug/Kg	< 5.3		01/21/08	5.2631	EPA8260
% Solids		95		01/17/08	0.1	SM182540G

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1330 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Carbazole	ug/Kg	< 32		01/21/08	31.578	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachloroethane	ug/Kg	< 32		01/21/08	31.578	EPA8270
Nitrobenzene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Isophorone	ug/Kg	< 32		01/21/08	31.578	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 32		01/21/08	31.578	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
Naphthalene(sv)	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chloroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorobutadiene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Methylnaphthalene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 320		01/21/08	315.78	EPA8270
2-Chloronaphthalene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dimethyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Acenaphthylene	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.578	EPA8270
3-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
Acenaphthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dibenzofuran	ug/Kg	< 32		01/21/08	31.578	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Diethyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
Fluorene	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Nitroaniline	ug/Kg	< 32		01/21/08	31.578	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 32		01/21/08	31.578	EPA8270
Hexachlorobenzene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Phenanthrene	ug/Kg	38		01/21/08	31.578	EPA8270
Anthracene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Fluoranthene	ug/Kg	55		01/21/08	31.578	EPA8270
Pyrene	ug/Kg	56		01/21/08	31.578	EPA8270
BenzylButylPhthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 320		01/21/08	315.78	EPA8270
Benzo(a)anthracene	ug/Kg	34		01/21/08	31.578	EPA8270

cc:

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REMARKS:

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631 422-5777

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American Standard Labs., Inc.
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New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	35		01/21/08	31.578	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(a)pyrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 32		01/21/08	31.578	EPA8270
Benzo(ghi)perylene	ug/Kg	< 32		01/21/08	31.578	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Chlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 32		01/21/08	31.578	EPA8270
2-Nitrophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dimethylphenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 32		01/21/08	31.578	EPA8270
2,4-Dinitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
4-Nitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 320		01/21/08	315.78	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 320		01/21/08	315.78	EPA8270

cc:

LRL=laboratory Reporting Limit

REMARKS:

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377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Heptachlor	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Aldrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDE	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Dieldrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Endrin	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDD	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
p,p-DDT	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081
Chlordane	ug/Kg	< 8.4		01/22/08	8.4210	EPA8081
Toxaphene	ug/Kg	< 42		01/22/08	42.105	EPA8081
Endrin Aldehyde	ug/Kg	< 13		01/22/08	12.631	EPA8081
a BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
b BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
d BHC	ug/Kg	< 2.1		01/22/08	2.1052	EPA8081
Endosulfan 1	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/Kg	< 4.2		01/22/08	4.2105	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		01/22/08	12.631	EPA8081
Aroclor 1016	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1221	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1232	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1242	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1248	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1254	ug/Kg	< 42		01/22/08	42.105	EPA8082
Aroclor 1260	ug/Kg	< 42		01/22/08	42.105	EPA8082

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1336 NYSDOH ID # 10320

EcoTest Laboratories Inc
377 Sheffield Ave
North Babylon, NY 11703
631 422-5777

LAB NO.280234.08 01/23/08

American Standard Labs., Inc.
1300 Jericho Turnpike
New Hyde Park, NY 11040
ATTN: Alan Fortich PO#:

SOURCE OF SAMPLE: American Standard Labs
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:01/11/08 RECEIVED:01/16/08

MATRIX:Soil SAMPLE: B-3A

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5700		01/21/08	1.0526	EPA6010B
Antimony as Sb	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Arsenic as As	mg/Kg	< 1.1		01/21/08	1.0526	EPA6010B
Barium as Ba	mg/Kg	35		01/21/08	0.5263	EPA6010B
Beryllium as Be	mg/Kg	0.23		01/21/08	0.1052	EPA6010B
Cadmium as Cd	mg/Kg	< 0.53		01/21/08	0.5263	EPA6010B
Calcium as Ca	mg/Kg	1000		01/21/08	21.052	EPA6010B
Chromium as Cr	mg/Kg	11		01/21/08	0.5263	EPA6010B
Cobalt as Co	mg/Kg	5.2		01/21/08	0.5263	EPA6010B
Copper as Cu	mg/Kg	8		01/21/08	1.0526	EPA6010B
Iron as Fe	mg/Kg	8300		01/21/08	1.0526	EPA6010B
Lead as Pb	mg/Kg	1.6		01/21/08	0.5263	EPA6010B
Magnesium as Mg	mg/Kg	2400		01/21/08	0.5263	EPA6010B
Manganese as Mn	mg/Kg	260		01/21/08	1.0526	EPA6010B
Mercury as Hg	mg/Kg	0.0092		01/22/08	0.0052	EPA7470A
Nickel as Ni	mg/Kg	11		01/21/08	1.0526	EPA6010B
Potassium as K	mg/Kg	990		01/21/08	105.26	EPA6010B
Selenium as Se	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Silver as Ag	mg/Kg	< 0.53		01/21/08	0.5263	EPA6010B
Sodium as Na	mg/Kg	< 110		01/21/08	105.26	EPA6010B
Thallium as Tl	mg/Kg	< 2.1		01/21/08	2.1052	EPA6010B
Vanadium as V	mg/Kg	15		01/21/08	0.5263	EPA6010B
Zinc as Zn	mg/Kg	27		01/21/08	1.0526	EPA6010B

cc:

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 1337 NYSDOH ID # 10320

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

280234

CHAIN OF CUSTODY RECORD

Client: American Standard Testing
Address: 1300 Jericho turnpike
New Hyde Park
Phone: (516) 216 1800 FAX:
Person receiving report: Alan Fortich
Sampled by:
Source:
Job No.:

5 DAY Rush

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE & NUMBER OF CONTAINERS	QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
Soil	11/10/08		B-1					8260, 8270, Pest, PCB, 23 met
			B-1A					
			B-1B					
			B-1C					
	11/10/08		B-2					
			B-2A					
			B-3					
			B-3A					

Temp - 17.1°C

Relinquished by: (Signature) / Representing:	DATE/TIME	SEAL INTACT?	Received by: (Signature) / Representing:	Relinquished by: (Signature) / Representing:	DATE/TIME	SEAL INTACT?	Received by: (Signature) / Representing:
[signature]	11/10/08 9:11	YES NO NA	[signature]			YES NO NA	
Relinquished by: (Signature) / Representing:	DATE/TIME	SEAL INTACT?	Received by: (Signature) / Representing:	Relinquished by: (Signature) / Representing:	DATE/TIME	SEAL INTACT?	Received by: (Signature) / Representing:
		YES NO NA				YES NO NA	

AMERICAN STANDARD

TESTING & CONSULTING LABORATORIES, INC.

1300 JERICHO TURNPIKE, NEW HYDE PARK, N. Y. 11040
TEL (516) 216-1800 FAX (516) 216-1799

January 15, 2008

TO: ECO TEST LABORATORIES, Inc.
377 Sheffield Avenue'
North Babylon, NY 11703
Phone: (631) 422-5777
Fax (631) 422-5770

FROM: Roberto Sanchez, Laboratory Manager
American Standard Testing & Consulting Laboratories, Inc.

RE: Environmental Testing

Dear Sir

I am requesting the analysis of eighth (8) sample of soil collected on 01/10/2008 and 01/11/2008 for the fallowing tests:

- Volatile Organic Compounds (VOCs) by EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270
- Pesticides / PCBs by EPA Method 8081/8082
- TAL Metals

We need results in five (5) days turnaround.

OSCAR
646-739-3592

APPENDIX C

FIELD SCREENING PID RESULTS

Results of Field Screening of Soils with PID Meter
Lots 36 and 42
on
January 10, 2008 & January 11, 2008

Designated Sample Number	Location	Pid Reading
B-1	LOT 36	0.7 ppm
B-1A	LOT 36	0.0 ppm
B-1B	LOT 36	1.1 ppm
B-1C	LOT 36	2.6 ppm
B-2	LOT 42	2.0 ppm
B-2A	LOT 42	0.0 ppm
B-3	LOT 42	0.5 ppm
B-3A	LOT 42	0.0 ppm

GEI Consultants

GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 201
Huntington Station, NY 11746
(631) 760-9300

CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

B-106

GROUND SURFACE ELEVATION (FT): 38.48 **LOCATION:** SW in rear yard
NORTHING (FT): 215298 **EASTING (FT):** 1005039 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/13/2014 - 11/13/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		33	0.0		B106 (2'-4')	(0'- 0.61') SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, fine, ~10% fines; dark brown.
				0.0			(0.61'- 2.42') SAND WITH SILT AND GRAVEL (SW-SM); ~50% sand, fine to coarse, ~40% gravel, fine to coarse, ~10% fines; dark brown and gray.
				0.0			
				0.0			
				0.0			
				0.0			(2.42'- 5') SAND (SW); ~95% sand, fine to coarse, ~5% fines; light brown.
35							
	5						End of Boring at 5 feet.

NOTES:

PEN = PENETRATION LENGTH OF SAMPLER OR CORE BARREL
REC = RECOVERY LENGTH OF SAMPLE
PID = PHOTOIONIZATION DETECTOR READING (PPM)
JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED

Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

ENVIRONMENTAL BORING LOG VOLMAR 34-22 35TH STREET ASTORIA NY.GPJ FULTON DATA TEMPLATE.GDT 11/25/14

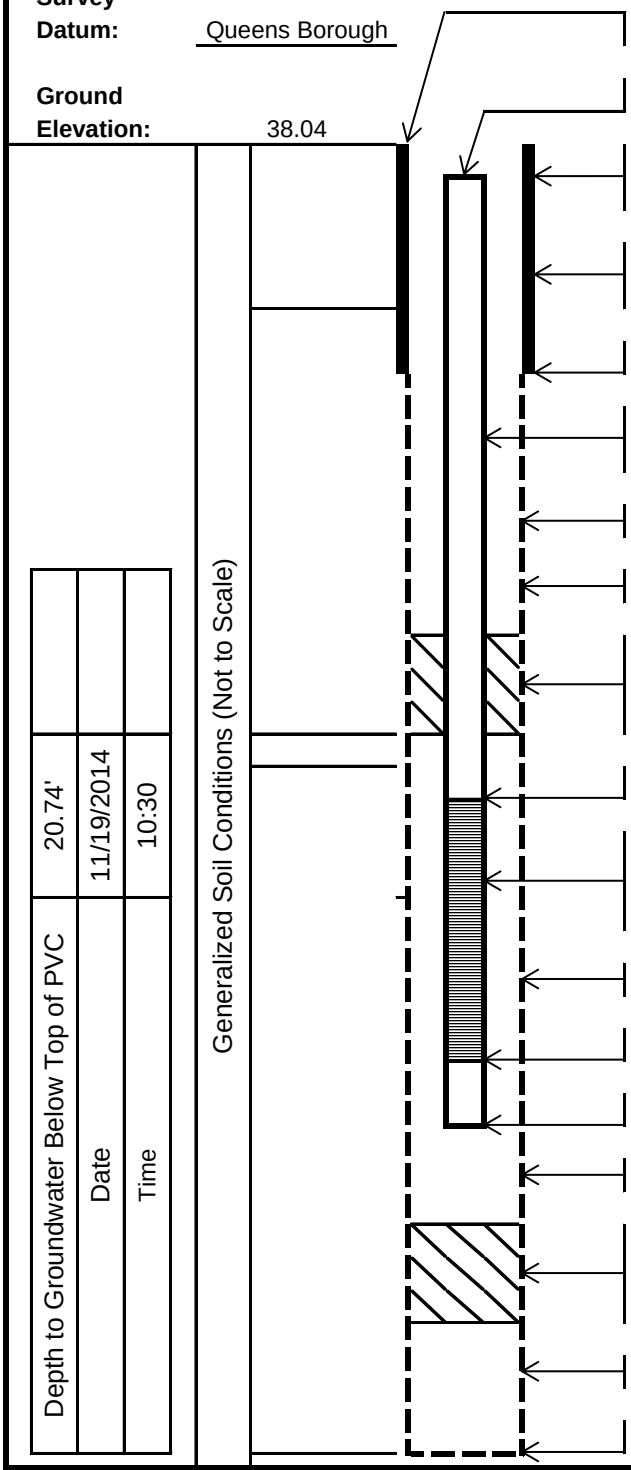
Groundwater Well Installation Report

GP1(MW-1)

Project	Volmar 34-22 35th Street	**GEI Proj. No.**	141228-0
City / Town	Astoria, NY	**Location**	GP1
Client	Volmar		East near entrance of site
Contractor	Clean Globe Environmental		
Driller	John Hudson/Joe R. **GEI Rep.** M. Quinlan	**Install Date**	Wednesday 11/19/14

Survey Datum: Queens Borough

Ground Elevation: 38.04



Depth to Groundwater Below Top of PVC	Date	Time
20.74'	11/19/2014	10:30

Length of Surface Casing above Ground	N.A.
Depth to Riser Pipe below Surface Casing	N.A.
Type and Thickness of Seal around Surface Casing	N.A.
ID of Surface Casing	N.A.
Type of Surface Casing	N.A.
Depth Bottom of Surface Casing	N.A.
ID and OD of Riser Pipe	2"ID/2.4"OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	#1 Sand
Diameter of Borehole	3"
Depth Top of Seal	N.A
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Depth Top of Screened Section	17.5'
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.010" slots
ID and OD of Screened Section	2"ID/2.4"OD
Type of Backfill around Screened Section	#1 Sand
Depth Bottom of Screened Section	28'
Depth Bottom of Silt Trap	N.A.
Depth Bottom of Sand Column	N.A.
Depth Top of Seal	N.A.
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Type of Backfill below Sand Column	N.A.
Bottom of Borehole	28'

Notes: Re-Installed Monitoring well using 2" PVC sched. 40, due to accumulation of silt in well (~4 feet).
Well was installed in the same previous location

GEI Consultants

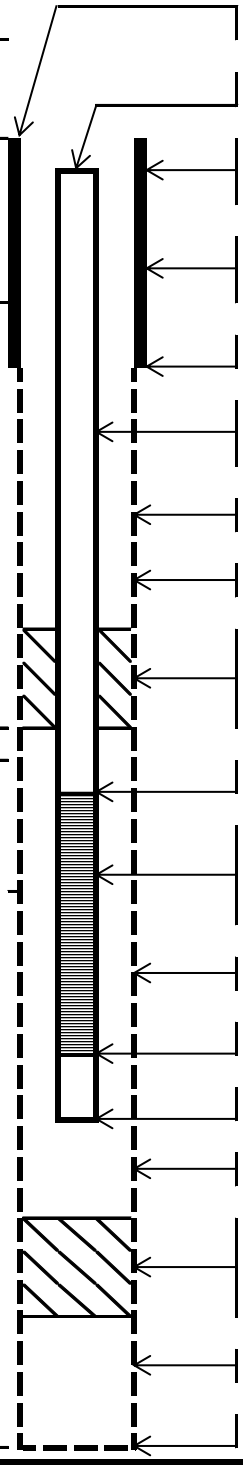
Groundwater Well Installation Report

GP2(MW-2)

Project	Volmar 34-22 35th Street	**GEI Proj. No.**	141228-0
City / Town	Astoria, NY	**Location**	GP2
Client	Volmar		West in center of rear yard
Contractor	Clean Globe Environmental		
Driller	John Hudson/Joe R. **GEI Rep.** M. Quinlan	**Install Date**	Wednesday 11/19/14

Survey Datum: Queens Borough

Ground Elevation: 38.86



Length of Surface Casing above Ground	N.A.
Depth to Riser Pipe below Surface Casing	N.A.
Type and Thickness of Seal around Surface Casing	N.A.
ID of Surface Casing	N.A.
Type of Surface Casing	N.A.
Depth Bottom of Surface Casing	N.A.
ID and OD of Riser Pipe	2"ID/2.4"OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	#1 Sand
Diameter of Borehole	3"
Depth Top of Seal	N.A
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Depth Top of Screened Section	17.5'
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.010" slots
ID and OD of Screened Section	2"ID/2.4"OD
Type of Backfill around Screened Section	#1 Sand
Depth Bottom of Screened Section	28'
Depth Bottom of Silt Trap	N.A.
Depth Bottom of Sand Column	N.A.
Depth Top of Seal	N.A.
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Type of Backfill below Sand Column	N.A.
Bottom of Borehole	28'

Generalized Soil Conditions (Not to Scale)

Depth to Groundwater Below Top of PVC	Date	Time
21.73'	11/19/2014	12:20

Notes: Re-Installed Monitoring well using 2" PVC sched. 40, due to accumulation of silt in well (~4 feet).
Well was installed in the same previous location

GEI Consultants

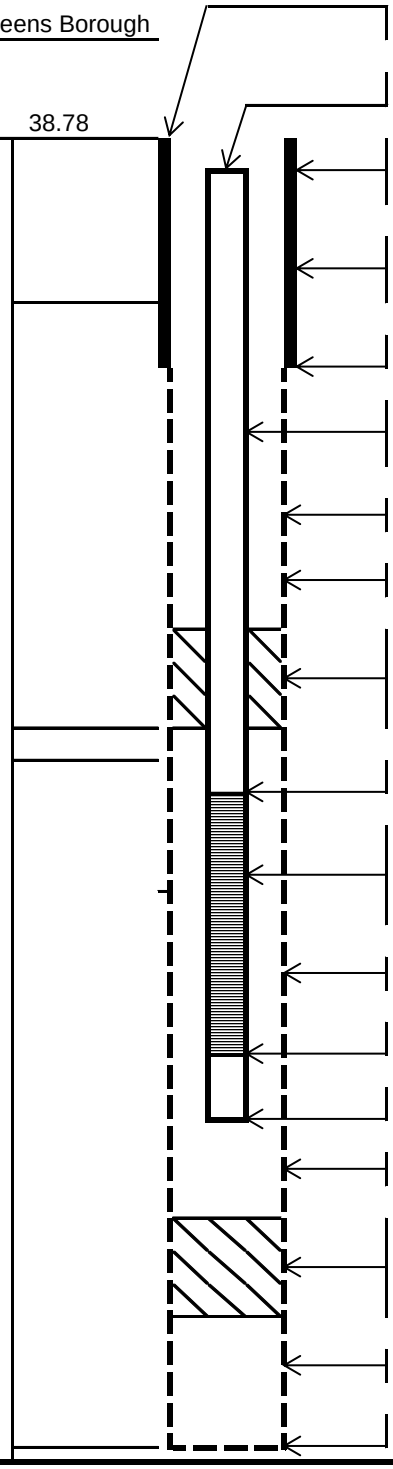
Groundwater Well Installation Report

GP3(MW-3)

Project	Volmar 34-22 35th Street	**GEI Proj. No.**	141228-0
City / Town	Astoria, NY	**Location**	GP3
Client	Volmar		South
Contractor	Clean Globe Environmental		
Driller	John Hudson/Joe R. **GEI Rep.** M. Quinlan	**Install Date**	Wednesday 11/19/14

Survey Datum: Queens Borough

Ground Elevation: 38.78



Length of Surface Casing above Ground	N.A.
Depth to Riser Pipe below Surface Casing	N.A.
Type and Thickness of Seal around Surface Casing	N.A.
ID of Surface Casing	N.A.
Type of Surface Casing	N.A.
Depth Bottom of Surface Casing	N.A.
ID and OD of Riser Pipe	2"ID/2.4"OD
Type of Riser Pipe	Sch. 40 PVC
Type of Backfill around Riser Pipe	#1 Sand
Diameter of Borehole	3"
Depth Top of Seal	N.A
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Depth Top of Screened Section	17.5'
Type of Screen	Sch. 40 PVC
Description of Screen Openings	0.010" slots
ID and OD of Screened Section	2"ID/2.4"OD
Type of Backfill around Screened Section	#1 Sand
Depth Bottom of Screened Section	28'
Depth Bottom of Silt Trap	N.A.
Depth Bottom of Sand Column	N.A.
Depth Top of Seal	N.A.
Type of Seal	N.A.
Depth Bottom of Seal	N.A.
Type of Backfill below Sand Column	N.A.
Bottom of Borehole	28'

Generalized Soil Conditions (Not to Scale)

Depth to Groundwater Below Top of PVC	Date	Time
21.49'	11/19/2014	11:15

Notes: Re-Installed Monitoring well using 2" PVC sched. 40, due to accumulation of silt in well (~4 feet).
Well was installed in the same previous location

GEI Consultants

GEI Consultants

GEI Consultants, Inc. P.C.
110 Walt Whitman Road
Suite 201
Huntington Station, NY 11746
(631) 760-9300

CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

B-107

GROUND SURFACE ELEVATION (FT): 38.18 **LOCATION:** SE by former basement
NORTHING (FT): 215311 **EASTING (FT):** 1005111 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/13/2014 - 11/1/1314
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		32	0.0		B107 (1'-3')	(0'- 0.47') SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, fine, ~10% fines; dark brown.
				0.0			(0.47'- 1.56') SAND WITH GRAVEL (SW); ~60% sand, fine to coarse, ~40% gravel, fine to coarse; dark brown and gray.
				0.0			
				0.0			(1.56'- 5') SAND (SW); ~95% sand, fine to coarse, ~5% fines; light brown.
				0.0			
				0.0			
35							
	5						End of Boring at 5 feet.

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JHS = JAR HEADSPACE PID READING (PPM)

NA = NOT APPLICABLE
NM = NOT MEASURED

Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
TLO = TAR LIKE ODOR
CLO = CHEMICAL LIKE ODOR
ALO = ASPHALT LIKE ODOR

CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-1

GROUND SURFACE ELEVATION (FT): 38.04 **LOCATION:** Northwest near entrance
NORTHING (FT): 215362 **EASTING (FT):** 1005141 **TOTAL DEPTH (FT):** 20.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/12/2014 - 11/12/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC FT./FT.	PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		35	0.0		GP1 (1'-3')	(0'- 0.71') SAND WITH SILT (SW-SM); ~80% sand, fine to coarse, ~10% gravel, fine, ~10% fines; brown.
				0.0			(0.71'- 3') SAND (SP); ~85% sand, fine to medium, ~10% gravel, fine, ~5% fines; brown.
				0.0			
				0.0			
				0.0			
				0.0			
35							(3'- 5') SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine; brown.
	5		29	0.0			(5'- 6.03') SAND WITH SILT (SW-SM); ~90% sand, fine to coarse, ~10% fines; brown.
				0.0			(6.03'- 10') SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine to coarse; light brown.
				0.0			
				0.0			
				0.0			
30							
	10		38	0.0			(10'- 13.16') SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; light brown.
				0.0			
				0.0			
				0.0			
				0.0			
				0.0			
25				0.0			(13.16'- 14.21') SAND (SP); ~95% sand, fine to medium, ~5% fines; light brown, MOSTLY FINE SAND.
				0.0			(14.21'- 15') SILTY SAND (SM); ~80% sand, fine, ~20% fines; brown, TIGHTLY COMPACTED.
	15		36	0.0			(15'- 20') SILTY SAND (SM); ~85% sand, very fine to fine, ~15% fines; brown, TIGHTLY COMPACTED.
				0.0			
				0.0		GP1 (16'-18')	
				0.0			
				0.0			
				0.0			
20							
	20						End of Boring at 20 feet.

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S_V = TORVANE PEAK

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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-5

GROUND SURFACE ELEVATION (FT): 39.06 **LOCATION:** Southwest corner of site
NORTHING (FT): 215269 **EASTING (FT):** 1005062 **TOTAL DEPTH (FT):** 20.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/13/2014 - 11/13/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC FT./FT.	PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		11	0.0 0.0 0.0			(0'- 0.91') SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, ~5% fines; brown. (0.91'- 1.82') SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine, ~5% fines; gray and light brown. (1.82'- 3.18') SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine, ~5% fines; dark brown. (3.18'- 5') SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine; brown.
35	5		31	0.0 0.0 0.0 0.0 0.0 0.0			(5'- 5.81') SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine; brown. (5.81'- 10') SAND (SP); ~95% sand, fine to medium, ~5% fines; brown.
30	10		42	0.0 0.0 0.0 0.0 0.0 0.0 0.0			(10'- 10.83') SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, ~5% fines; brown. (10.83'- 12.5') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; brown, mostly fine sand. (12.5'- 13.69') SILTY SAND (SM); ~75% sand, very fine to fine, ~25% fines; brown. (13.69'- 15') SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, ~5% fines; moist, light brown.
25	15		41	0.0 0.0 0.0 0.0 0.0 0.0 0.0		GP-5(16'-18')	(15'- 20') SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, ~5% fines; light brown.
20	20						End of Boring at 20 feet.

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S_V = TORVANE PEAK

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IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
PLO = PETROLEUM LIKE ODOR
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CLO = CHEMICAL LIKE ODOR
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CrLO= CREOSOTE LIKE ODOR
OLO = ORGANIC LIKE ODOR
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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-5A

GROUND SURFACE ELEVATION (FT): 39.00 **LOCATION:** SW corner of site
NORTHING (FT): 215264 **EASTING (FT):** 1005062 **TOTAL DEPTH (FT):** 5.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/13/2014 - 11/13/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		32	0.0		GP5A (1'-3')	(0'- 1.25') SAND WITH SILT (SP-SM); ~80% sand, fine to medium, ~10% gravel, fine, ~10% fines; brown.
				0.0		GP-DUP	
				0.0			
				0.0			(1.25'- 1.88') SAND WITH GRAVEL (SW); ~55% sand, fine to coarse, ~40% gravel, fine to coarse, ~5% fines; brown and gray.
				0.0			(1.88'- 5') SAND WITH SILT (SP-SM); ~85% sand, fine to medium, ~10% fines, ~5% gravel, fine; brown.
				0.0			
35							
	5						End of Boring at 5 feet.

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JHS = JAR HEADSPACE PID READING (PPM)

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NM = NOT MEASURED

Q_P = POCKET PENETROMETER
S_V = TORVANE PEAK

ppm = PARTS PER MILLION
IN. = INCHES
FT. = FEET

NLO = NAPHTHALENE LIKE ODOR
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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-8

GROUND SURFACE ELEVATION (FT): 38.68 **LOCATION:** Center of property/Rear Yard
NORTHING (FT): 215358 **EASTING (FT):** 1005080 **TOTAL DEPTH (FT):** 20.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/12/2014 - 11/12/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO TYPE and NO.	PEN/REC FT./FT.	PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		32	0.0		GP8 (0'-2')	(0'- 2.03') SAND WITH GRAVEL (SW); ~50% gravel, fine to coarse, ~50% sand, fine to coarse; gray brown.
				0.0			
				0.0			
				0.0			
				0.0			(2.03'- 3.91') SAND WITH SILT (SW-SM); ~85% sand, fine to coarse, ~10% fines, ~5% gravel, fine; brown.
				0.0			
35							(3.91'- 5') SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; brown.
	5		33	0.0			(5'- 7.58') SAND WITH GRAVEL (SW); ~80% sand, fine to coarse, ~15% gravel, fine, ~5% fines; light brown.
				0.0			
				0.0			
				0.0			
				0.0			
				0.0			(7.58'- 7.73') SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; white.
30							(7.73'- 8.49') SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; light brown.
							(8.49'- 9.24') SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~25% gravel, fine, ~5% fines; white.
	10		47	0.0			(9.24'- 10') SAND (SW); ~90% sand, fine to coarse, ~10% gravel, fine; brown.
				0.0			(10'- 13.09') SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; light brown.
				0.0			
				0.0			
				0.0			
				0.0			
25				0.0			(13.09'- 15') SILTY SAND (SM); ~70% sand, very fine to fine, ~30% fines; brown.
	15		40	0.0			(15'- 16.75') SILTY SAND (SM); ~70% sand, very fine to fine, ~30% fines; brown.
				0.0			
				0.0		GP8 (16'-18')	
							(16.75'- 20') SAND WITH SILT (SW-SM); ~85% sand, fine to coarse, ~10% fines, ~5% gravel, fine to coarse; wet, brown.
20							
	20						End of Boring at 20 feet.

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GEI Consultants

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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-9

GROUND SURFACE ELEVATION (FT): 38.26 **LOCATION:** Center of site
NORTHING (FT): 215331 **EASTING (FT):** 1005096 **TOTAL DEPTH (FT):** 25.0
DRILLED BY: Clean Globe Environmental / John Hudson **DATUM VERT. / HORZ.:** NAD83 NY Long Island Zone
LOGGED BY: Mike Quinlan **DATE START / END:** 11/12/2014 - 11/12/2014
DRILLING DETAILS: Direct Push / Geoprobe 6010 / Core Size: 1.5 in. / Core Type: Macro Core
WATER LEVEL DEPTHS (FT):
GENERAL NOTE: NO ODOR OR VISUAL IMPACTS OBSERVED

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	PEN/REC FT./FT.	PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
	0		25	0.0 0.0 0.0 0.0 0.0		GP9 (0'-2')	(0'- 2.8') SAND (SW); ~85% sand, fine to coarse, ~10% gravel, fine, ~5% fines; dark brown.
35							(2.8'- 5') SAND WITH SILT (SW-SM); ~80% sand, fine to coarse, ~10% gravel, fine, ~10% fines; brown.
	5		29	0.0 0.0 0.0 0.0 0.0			(5'- 6.9') SAND WITH SILT (SW-SM); ~85% sand, fine to coarse, ~10% fines, ~5% gravel, fine; brown. (6.9'- 10') SAND (SW); ~90% sand, fine to coarse, ~5% gravel, fine, ~5% fines; light brown.
30							
	10		35	0.0 0.0 0.0 0.0 0.0 0.0			(10'- 15') SAND (SP); ~90% sand, fine to medium, ~5% gravel, fine, ~5% fines; light brown.
25							
	15		40	0.0 0.0 0.0 0.0 0.0 0.0 0.0			(15'- 15.88') SAND WITH GRAVEL (SW); ~85% sand, fine to coarse, ~15% gravel, fine; light brown. (15.88'- 16.13') SAND WITH GRAVEL (SW); ~70% sand, fine to coarse, ~30% gravel, fine; dark brown. (16.13'- 16.38') SILTY SAND (SM); ~60% sand, very fine to fine, ~40% fines; brown. (16.38'- 18.75') SAND (SP); ~95% sand, fine to medium, ~5% fines; moist, brown. (18.75'- 20') SAND WITH SILT (SP-SM); ~90% sand, fine to medium, ~10% fines; wet, brown, mostly fine sand.
20							
	20		60	0.0 0.0		GP9 (20'-22')	(20'- 22.5') SILTY SAND (SM); ~80% sand, fine to medium, ~20% fines; brown.

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CLIENT: Volmar
PROJECT: 34-22 35th Street
CITY/STATE: Astoria, New York
GEI PROJECT NUMBER: 1412280

BORING LOG

GP-9

ELEV. FT.	DEPTH FT.	SAMPLE INFO: TYPE and NO.	SAMPLE INFO: PEN/REC FT./FT.	SAMPLE INFO: PID (PPM)	STRATA	ANALYZED SAMPLE ID	SOIL / BEDROCK DESCRIPTION
				0.0			
				0.0			
				0.0			
				0.0			
15				0.0			(22.5'- 25') SILTY SAND (SM); ~60% sand, very fine, ~40% fines; brown.
				0.0			
				0.0			
				0.0			
	25						End of Boring at 25 feet.

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ALO = ASPHALT LIKE ODOR

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OLO = ORGANIC LIKE ODOR
SLO = SULFUR LIKE ODOR
MLO = MUSTY LIKE ODOR

PHOENIX
Environmental Laboratories, Inc.

Monday, November 24, 2014

Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Project ID: 141228-0/34-22 35TH ST
Sample ID#s: BH41609 - BH41619, BH41621

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

SDG Comments

November 24, 2014

SDG I.D.: GBH41609

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.

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

BH41609 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41610 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41611 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41612 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41613 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41614 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41615 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41616 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41617 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Environmental Laboratories, Inc.
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SDG Comments

November 24, 2014

SDG I.D.: GBH41609

BH41618 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

BH41619 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	9:30
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41609

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.41	0.41		mg/Kg	11/17/14	EK	SW6010	
Aluminum	7460	62		mg/Kg	11/17/14	EK	SW6010	
Arsenic	< 0.8	0.8		mg/Kg	11/17/14	EK	SW6010	
Barium	63.3	0.41		mg/Kg	11/17/14	EK	SW6010	
Beryllium	< 0.33	0.33		mg/Kg	11/17/14	EK	SW6010	
Calcium	21400	62		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.41	0.41		mg/Kg	11/17/14	EK	SW6010	
Cobalt	8.44	0.41		mg/Kg	11/17/14	EK	SW6010	
Chromium	17.6	0.41		mg/Kg	11/17/14	EK	SW6010	
Copper	17.3	0.41		mg/kg	11/17/14	EK	SW6010	
Iron	14200	62		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.08	0.08		mg/Kg	11/17/14	RS	SW-7471	
Potassium	2580	6.2		mg/Kg	11/17/14	EK	SW6010	
Magnesium	13600	62		mg/Kg	11/17/14	EK	SW6010	
Manganese	261	4.1		mg/Kg	11/17/14	EK	SW6010	
Sodium	381	6.2		mg/Kg	11/17/14	EK	SW6010	
Nickel	15.4	0.41		mg/Kg	11/17/14	EK	SW6010	
Lead	3.01	0.41		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 4.1	4.1		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.6	1.6		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.7	3.7		mg/Kg	11/17/14	EK	SW6010	
Vanadium	25.1	0.41		mg/Kg	11/17/14	EK	SW6010	
Zinc	46.2	0.41		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	81			%	11/14/14	I	SW846	
Total Cyanide	< 0.56	0.56		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Phoenix I.D.: BH41609

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	80		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	55			%	11/15/14	AW	30 - 150 %
% TCMX	89			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	40	40	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	40	40	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	81			%	11/17/14	CE	30 - 150 %
% TCMX	87			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Phoenix I.D.: BH41609

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	31		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	31		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	31		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	31		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Phoenix I.D.: BH41609

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	6.2		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	95			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	95			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270
1,2-Dichlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	410		ug/Kg	11/14/14	DD	SW 8270
1,3-Dichlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270
1,4-Dichlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,4-Dichlorophenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,4-Dimethylphenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,4-Dinitrophenol	ND	650		ug/Kg	11/14/14	DD	SW 8270
2,4-Dinitrotoluene	ND	280		ug/Kg	11/14/14	DD	SW 8270
2,6-Dinitrotoluene	ND	280		ug/Kg	11/14/14	DD	SW 8270
2-Chloronaphthalene	ND	280		ug/Kg	11/14/14	DD	SW 8270
2-Chlorophenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
2-Methylnaphthalene	ND	280		ug/Kg	11/14/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280		ug/Kg	11/14/14	DD	SW 8270
2-Nitroaniline	ND	650		ug/Kg	11/14/14	DD	SW 8270
2-Nitrophenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	410		ug/Kg	11/14/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	280		ug/Kg	11/14/14	DD	SW 8270
3-Nitroaniline	ND	650		ug/Kg	11/14/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200		ug/Kg	11/14/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	410		ug/Kg	11/14/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	280		ug/Kg	11/14/14	DD	SW 8270
4-Chloroaniline	ND	280		ug/Kg	11/14/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Phoenix I.D.: BH41609

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	280		ug/Kg	11/14/14	DD	SW 8270	
4-Nitroaniline	ND	650		ug/Kg	11/14/14	DD	SW 8270	
4-Nitrophenol	ND	1200		ug/Kg	11/14/14	DD	SW 8270	
Acenaphthene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Acenaphthylene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Acetophenone	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Aniline	ND	1200		ug/Kg	11/14/14	DD	SW 8270	
Anthracene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benz(a)anthracene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benzidine	ND	490		ug/Kg	11/14/14	DD	SW 8270	
Benzo(a)pyrene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benzo(ghi)perylene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Benzoic acid	ND	1200		ug/Kg	11/14/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	410		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280		ug/Kg	11/14/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Carbazole	ND	610		ug/Kg	11/14/14	DD	SW 8270	
Chrysene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Dibenzofuran	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Diethyl phthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Dimethylphthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Di-n-butylphthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Di-n-octylphthalate	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Fluoranthene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Fluorene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorobutadiene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Hexachloroethane	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Isophorone	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Naphthalene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Nitrobenzene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	410		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	280		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	410		ug/Kg	11/14/14	DD	SW 8270	
Pentachloronitrobenzene	ND	410		ug/Kg	11/14/14	DD	SW 8270	
Pentachlorophenol	ND	410		ug/Kg	11/14/14	DD	SW 8270	
Phenanthrene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Phenol	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Pyrene	ND	280		ug/Kg	11/14/14	DD	SW 8270	
Pyridine	ND	410		ug/Kg	11/14/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	11/14/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (1-3 FT)

Phoenix I.D.: BH41609

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	77			%	11/14/14	DD	30 - 130 %
% 2-Fluorophenol	67			%	11/14/14	DD	30 - 130 %
% Nitrobenzene-d5	76			%	11/14/14	DD	30 - 130 %
% Phenol-d5	75			%	11/14/14	DD	30 - 130 %
% Terphenyl-d14	90			%	11/14/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	9:55
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41610

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (16-18 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Aluminum	11300	51		mg/Kg	11/17/14	EK	SW6010	
Arsenic	4.3	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	70.4	0.34		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.40	0.27		mg/Kg	11/17/14	EK	SW6010	
Calcium	6670	5.1		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Cobalt	7.14	0.34		mg/Kg	11/17/14	EK	SW6010	
Chromium	19.2	0.34		mg/Kg	11/17/14	EK	SW6010	
Copper	44.9	0.34		mg/kg	11/17/14	EK	SW6010	
Iron	16800	51		mg/Kg	11/17/14	EK	SW6010	
Mercury	0.18	0.07		mg/Kg	11/17/14	RS	SW-7471	
Potassium	990	5.1		mg/Kg	11/17/14	EK	SW6010	
Magnesium	2880	5.1		mg/Kg	11/17/14	EK	SW6010	
Manganese	393	3.4		mg/Kg	11/17/14	EK	SW6010	
Sodium	117	5.1		mg/Kg	11/17/14	EK	SW6010	
Nickel	13.2	0.34		mg/Kg	11/17/14	EK	SW6010	
Lead	126	0.34		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.4	3.4		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.4	1.4		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.1	3.1		mg/Kg	11/17/14	EK	SW6010	
Vanadium	25.4	0.34		mg/Kg	11/17/14	EK	SW6010	
Zinc	108	0.34		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	90			%	11/14/14	I	SW846	
Total Cyanide	0.54	0.51		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (16-18 FT)

Phoenix I.D.: BH41610

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	73		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	46			%	11/15/14	AW	30 - 150 %
% TCMX	72			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	5.0	5.0	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	37	37	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	68			%	11/17/14	CE	30 - 150 %
% TCMX	71			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (16-18 FT)

Phoenix I.D.: BH41610

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	94			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370		ug/Kg	11/14/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,4-Dichlorophenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,4-Dimethylphenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,4-Dinitrophenol	ND	590		ug/Kg	11/14/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260		ug/Kg	11/14/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260		ug/Kg	11/14/14	DD	SW 8270
2-Chloronaphthalene	ND	260		ug/Kg	11/14/14	DD	SW 8270
2-Chlorophenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
2-Methylnaphthalene	ND	260		ug/Kg	11/14/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260		ug/Kg	11/14/14	DD	SW 8270
2-Nitroaniline	ND	590		ug/Kg	11/14/14	DD	SW 8270
2-Nitrophenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370		ug/Kg	11/14/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260		ug/Kg	11/14/14	DD	SW 8270
3-Nitroaniline	ND	590		ug/Kg	11/14/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	11/14/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370		ug/Kg	11/14/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260		ug/Kg	11/14/14	DD	SW 8270
4-Chloroaniline	ND	260		ug/Kg	11/14/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (16-18 FT)

Phoenix I.D.: BH41610

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	260		ug/Kg	11/14/14	DD	SW 8270	
4-Nitroaniline	ND	590		ug/Kg	11/14/14	DD	SW 8270	
4-Nitrophenol	ND	1100		ug/Kg	11/14/14	DD	SW 8270	
Acenaphthene	350	260		ug/Kg	11/14/14	DD	SW 8270	
Acenaphthylene	440	260		ug/Kg	11/14/14	DD	SW 8270	
Acetophenone	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Aniline	ND	1100		ug/Kg	11/14/14	DD	SW 8270	
Anthracene	1100	260		ug/Kg	11/14/14	DD	SW 8270	
Benz(a)anthracene	3800	260		ug/Kg	11/14/14	DD	SW 8270	
Benzidine	ND	440		ug/Kg	11/14/14	DD	SW 8270	
Benzo(a)pyrene	3500	260		ug/Kg	11/14/14	DD	SW 8270	
Benzo(b)fluoranthene	4700	260		ug/Kg	11/14/14	DD	SW 8270	
Benzo(ghi)perylene	1500	260		ug/Kg	11/14/14	DD	SW 8270	
Benzo(k)fluoranthene	1600	260		ug/Kg	11/14/14	DD	SW 8270	
Benzoic acid	ND	1100		ug/Kg	11/14/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370		ug/Kg	11/14/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260		ug/Kg	11/14/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Carbazole	770	550		ug/Kg	11/14/14	DD	SW 8270	
Chrysene	3600	260		ug/Kg	11/14/14	DD	SW 8270	
Dibenz(a,h)anthracene	460	260		ug/Kg	11/14/14	DD	SW 8270	
Dibenzofuran	260	260		ug/Kg	11/14/14	DD	SW 8270	
Diethyl phthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Dimethylphthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Di-n-butylphthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Di-n-octylphthalate	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Fluoranthene	5800	510		ug/Kg	11/16/14	DD	SW 8270	
Fluorene	320	260		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorobutadiene	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Hexachloroethane	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	1500	260		ug/Kg	11/14/14	DD	SW 8270	
Isophorone	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Naphthalene	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Nitrobenzene	ND	260		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	370		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260		ug/Kg	11/14/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370		ug/Kg	11/14/14	DD	SW 8270	
Pentachloronitrobenzene	ND	370		ug/Kg	11/14/14	DD	SW 8270	
Pentachlorophenol	ND	370		ug/Kg	11/14/14	DD	SW 8270	
Phenanthrene	4500	260		ug/Kg	11/14/14	DD	SW 8270	
Phenol	ND	260		ug/Kg	11/14/14	DD	SW 8270	
Pyrene	5600	510		ug/Kg	11/16/14	DD	SW 8270	
Pyridine	ND	370		ug/Kg	11/14/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	11/14/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP1 (16-18 FT)

Phoenix I.D.: BH41610

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	84			%	11/14/14	DD	30 - 130 %
% 2-Fluorophenol	72			%	11/14/14	DD	30 - 130 %
% Nitrobenzene-d5	85			%	11/14/14	DD	30 - 130 %
% Phenol-d5	78			%	11/14/14	DD	30 - 130 %
% Terphenyl-d14	96			%	11/14/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	13:50
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41611

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (0-2 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38		mg/Kg	11/17/14	EK	SW6010	
Aluminum	11000	57		mg/Kg	11/17/14	EK	SW6010	
Arsenic	4.5	0.8		mg/Kg	11/17/14	EK	SW6010	
Barium	82.7	0.38		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.41	0.30		mg/Kg	11/17/14	EK	SW6010	
Calcium	20400	57		mg/Kg	11/17/14	EK	SW6010	
Cadmium	0.53	0.38		mg/Kg	11/17/14	EK	SW6010	
Cobalt	7.77	0.38		mg/Kg	11/17/14	EK	SW6010	
Chromium	21.8	0.38		mg/Kg	11/17/14	EK	SW6010	
Copper	39.5	0.38		mg/kg	11/17/14	EK	SW6010	
Iron	22000	57		mg/Kg	11/17/14	EK	SW6010	
Mercury	0.14	0.09		mg/Kg	11/17/14	RS	SW-7471	
Potassium	1180	5.7		mg/Kg	11/17/14	EK	SW6010	
Magnesium	5920	57		mg/Kg	11/17/14	EK	SW6010	
Manganese	356	3.8		mg/Kg	11/17/14	EK	SW6010	
Sodium	154	5.7		mg/Kg	11/17/14	EK	SW6010	
Nickel	14.8	0.38		mg/Kg	11/17/14	EK	SW6010	
Lead	113	0.38		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.8	3.8		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.5	1.5		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.4	3.4		mg/Kg	11/17/14	EK	SW6010	
Vanadium	29.5	0.38		mg/Kg	11/17/14	EK	SW6010	
Zinc	150	0.38		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	88			%	11/14/14	I	SW846	
Total Cyanide	< 0.57	0.57		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (0-2 FT)

Phoenix I.D.: BH41611

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	75		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	47			%	11/15/14	AW	30 - 150 %
% TCMX	73			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	5.5	5.5	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	5.0	5.0	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	38	38	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	11/17/14	CE	30 - 150 %
% TCMX	72			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (0-2 FT)

Phoenix I.D.: BH41611

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.7		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	89			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	92			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	600		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	260		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (0-2 FT)

Phoenix I.D.: BH41611

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	290	260		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	270	260		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	1900	260		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	450		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	1900	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	2800	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	700	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	860	260		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1100		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	560		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	1800	260		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	3500	260		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	740	260		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	1100	260		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	3200	260		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (0-2 FT)

Phoenix I.D.: BH41611

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	82			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	72			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	83			%	11/15/14	DD	30 - 130 %
% Phenol-d5	78			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	95			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	14:15
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41612

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (20-22 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	11/17/14	EK	SW6010	
Aluminum	4670	56		mg/Kg	11/17/14	EK	SW6010	
Arsenic	< 0.7	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	36.5	0.37		mg/Kg	11/17/14	EK	SW6010	
Beryllium	< 0.30	0.30		mg/Kg	11/17/14	EK	SW6010	
Calcium	38800	56		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.37	0.37		mg/Kg	11/17/14	EK	SW6010	
Cobalt	5.63	0.37		mg/Kg	11/17/14	EK	SW6010	
Chromium	10.9	0.37		mg/Kg	11/17/14	EK	SW6010	
Copper	12.5	0.37		mg/kg	11/17/14	EK	SW6010	
Iron	9600	56		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.08	0.08		mg/Kg	11/17/14	RS	SW-7471	
Potassium	1460	5.6		mg/Kg	11/17/14	EK	SW6010	
Magnesium	19600	56		mg/Kg	11/17/14	EK	SW6010	
Manganese	185	3.7		mg/Kg	11/17/14	EK	SW6010	
Sodium	206	5.6		mg/Kg	11/17/14	EK	SW6010	
Nickel	10.1	0.37		mg/Kg	11/17/14	EK	SW6010	
Lead	2.28	0.37		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.7	3.7		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.5	1.5		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.3	3.3		mg/Kg	11/17/14	EK	SW6010	
Vanadium	17.8	0.37		mg/Kg	11/17/14	EK	SW6010	
Zinc	30.2	0.37		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	82			%	11/14/14	I	SW846	
Total Cyanide	< 0.61	0.61		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (20-22 FT)

Phoenix I.D.: BH41612

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	80		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	80		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	54			%	11/15/14	AW	30 - 150 %
% TCMX	88			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	40	40	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	8.0	8.0	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	40	40	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	11/17/14	CE	30 - 150 %
% TCMX	89			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (20-22 FT)

Phoenix I.D.: BH41612

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	30		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	30		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	30		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	30		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	12		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	12		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	6.1		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	89			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	95			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	400		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	650		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	280		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	280		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	280		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	280		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	280		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	650		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	400		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	280		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	650		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	400		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	280		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	280		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (20-22 FT)

Phoenix I.D.: BH41612

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	280		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	650		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1200		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1200		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	490		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1200		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	400		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	610		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	400		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	280		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	400		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	400		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	400		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	280		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	400		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP9 (20-22 FT)

Phoenix I.D.: BH41612

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	55			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	62			%	11/15/14	DD	30 - 130 %
% Phenol-d5	62			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	85			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	14:40
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41613

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Aluminum	14700	50		mg/Kg	11/17/14	EK	SW6010	
Arsenic	2.3	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	64.7	0.34		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.53	0.27		mg/Kg	11/17/14	EK	SW6010	
Calcium	1250	5.0		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Cobalt	9.37	0.34		mg/Kg	11/17/14	EK	SW6010	
Chromium	28.5	0.34		mg/Kg	11/17/14	EK	SW6010	
Copper	20.9	0.34		mg/kg	11/17/14	EK	SW6010	
Iron	19300	50		mg/Kg	11/17/14	EK	SW6010	
Mercury	0.10	0.08		mg/Kg	11/17/14	RS	SW-7471	
Potassium	923	5.0		mg/Kg	11/17/14	EK	SW6010	
Magnesium	3620	5.0		mg/Kg	11/17/14	EK	SW6010	
Manganese	459	3.4		mg/Kg	11/17/14	EK	SW6010	
Sodium	95.8	5.0		mg/Kg	11/17/14	EK	SW6010	
Nickel	15.2	0.34		mg/Kg	11/17/14	EK	SW6010	
Lead	33.1	0.34		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.4	3.4		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.3	1.3		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.0	3.0		mg/Kg	11/17/14	EK	SW6010	
Vanadium	34.4	0.34		mg/Kg	11/17/14	EK	SW6010	
Zinc	46.6	0.34		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	91			%	11/14/14	I	SW846	
Total Cyanide	< 0.55	0.55		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Phoenix I.D.: BH41613

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	72		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	72		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	49			%	11/15/14	AW	30 - 150 %
% TCMX	89			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	61			%	11/17/14	CE	30 - 150 %
% TCMX	77			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Phoenix I.D.: BH41613

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	27		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	27		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	27		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	27		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Phoenix I.D.: BH41613

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.5		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	89			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	94			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	360		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	580		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	250		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Phoenix I.D.: BH41613

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1000		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1000		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1000		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	540		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	79			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (0-2 FT)

Phoenix I.D.: BH41613

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	75			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	63			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	70			%	11/15/14	DD	30 - 130 %
% Phenol-d5	69			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	85			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/12/14	14:50
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41614

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40		mg/Kg	11/17/14	EK	SW6010	
Aluminum	11400	59		mg/Kg	11/17/14	EK	SW6010	
Arsenic	1.5	0.8		mg/Kg	11/17/14	EK	SW6010	
Barium	113	0.40		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.50	0.32		mg/Kg	11/17/14	EK	SW6010	
Calcium	27300	59		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.40	0.40		mg/Kg	11/17/14	EK	SW6010	
Cobalt	12.5	0.40		mg/Kg	11/17/14	EK	SW6010	
Chromium	28.4	0.40		mg/Kg	11/17/14	EK	SW6010	
Copper	28.8	0.40		mg/kg	11/17/14	EK	SW6010	
Iron	21600	59		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.07	0.07		mg/Kg	11/17/14	RS	SW-7471	
Potassium	3770	59		mg/Kg	11/17/14	EK	SW6010	
Magnesium	17900	59		mg/Kg	11/17/14	EK	SW6010	
Manganese	387	4.0		mg/Kg	11/17/14	EK	SW6010	
Sodium	361	5.9		mg/Kg	11/17/14	EK	SW6010	
Nickel	22.5	0.40		mg/Kg	11/17/14	EK	SW6010	
Lead	5.42	0.40		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 4.0	4.0		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.6	1.6		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.6	3.6		mg/Kg	11/17/14	EK	SW6010	
Vanadium	38.4	0.40		mg/Kg	11/17/14	EK	SW6010	
Zinc	67.4	0.40		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	77			%	11/14/14	I	SW846	
Total Cyanide	< 0.65	0.65		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Phoenix I.D.: BH41614

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	85		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	85		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	46			%	11/15/14	AW	30 - 150 %
% TCMX	79			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.6	2.6	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	4.3	4.3	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	4.3	4.3	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	43	43	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	4.3	4.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.7	1.7	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	4.3	4.3	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	8.5	8.5	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	43	43	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	170	170	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	70			%	11/17/14	CE	30 - 150 %
% TCMX	82			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Phoenix I.D.: BH41614

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	32		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	32		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	32		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	13		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	32		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	13		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Phoenix I.D.: BH41614

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	13		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	13		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	6.5		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	88			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	95			%	11/17/14	JLI	70 - 130 %	
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
1,2,4-Trichlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
1,2-Dichlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
1,2-Diphenylhydrazine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
1,3-Dichlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
1,4-Dichlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,4,5-Trichlorophenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,4,6-Trichlorophenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,4-Dichlorophenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,4-Dimethylphenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,4-Dinitrophenol	ND	680		ug/Kg	11/15/14	DD	SW 8270	
2,4-Dinitrotoluene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2,6-Dinitrotoluene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2-Chloronaphthalene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2-Chlorophenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2-Methylnaphthalene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	300		ug/Kg	11/15/14	DD	SW 8270	
2-Nitroaniline	ND	680		ug/Kg	11/15/14	DD	SW 8270	
2-Nitrophenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	430		ug/Kg	11/15/14	DD	SW 8270	
3,3'-Dichlorobenzidine	ND	300		ug/Kg	11/15/14	DD	SW 8270	
3-Nitroaniline	ND	680		ug/Kg	11/15/14	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	1200		ug/Kg	11/15/14	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	430		ug/Kg	11/15/14	DD	SW 8270	
4-Chloro-3-methylphenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
4-Chloroaniline	ND	300		ug/Kg	11/15/14	DD	SW 8270	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Phoenix I.D.: BH41614

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	300		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	680		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1200		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1200		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	510		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1200		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	300		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	640		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	300		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	300		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	69			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP8 (16-18 FT)

Phoenix I.D.: BH41614

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	68			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	57			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	62			%	11/15/14	DD	30 - 130 %
% Phenol-d5	61			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	94			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/14	9:25
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41615

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.31	0.31		mg/Kg	11/17/14	EK	SW6010	
Aluminum	2610	46		mg/Kg	11/17/14	EK	SW6010	
Arsenic	< 0.6	0.6		mg/Kg	11/17/14	EK	SW6010	
Barium	36.9	0.31		mg/Kg	11/17/14	EK	SW6010	
Beryllium	< 0.25	0.25		mg/Kg	11/17/14	EK	SW6010	
Calcium	23600	46		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.31	0.31		mg/Kg	11/17/14	EK	SW6010	
Cobalt	3.26	0.31		mg/Kg	11/17/14	EK	SW6010	
Chromium	4.48	0.31		mg/Kg	11/17/14	EK	SW6010	
Copper	6.84	0.31		mg/kg	11/17/14	EK	SW6010	
Iron	4960	4.6		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.07	0.07		mg/Kg	11/17/14	RS	SW-7471	
Potassium	549	4.6		mg/Kg	11/17/14	EK	SW6010	
Magnesium	14600	46		mg/Kg	11/17/14	EK	SW6010	
Manganese	333	3.1		mg/Kg	11/17/14	EK	SW6010	
Sodium	114	4.6		mg/Kg	11/17/14	EK	SW6010	
Nickel	5.34	0.31		mg/Kg	11/17/14	EK	SW6010	
Lead	1.50	0.31		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.1	3.1		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.2	1.2		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 2.8	2.8		mg/Kg	11/17/14	EK	SW6010	
Vanadium	7.62	0.31		mg/Kg	11/17/14	EK	SW6010	
Zinc	11.5	0.31		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	99			%	11/14/14	I	SW846	
Total Cyanide	< 0.51	0.51		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Phoenix I.D.: BH41615

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	66		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	66		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	60			%	11/15/14	AW	30 - 150 %
% TCMX	90			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.0	2.0	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.3	3.3	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.3	3.3	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	33	33	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.3	3.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.3	1.3	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.3	3.3	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	6.6	6.6	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	33	33	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	130	130	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	11/17/14	CE	30 - 150 %
% TCMX	89			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Phoenix I.D.: BH41615

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	25		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	25		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	25		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	10		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	25		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	10		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Phoenix I.D.: BH41615

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	10		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	10		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.1		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	90			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	101			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	92			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	330		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	530		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	230		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	230		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	230		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	230		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	530		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	530		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	950		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	330		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	230		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	230		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Phoenix I.D.: BH41615

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	230		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	530		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	950		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	950		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	390		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	950		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	330		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	230		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	490		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	330		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	230		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	330		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	330		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	330		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	230		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	330		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	59			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5 (16-18 FT)

Phoenix I.D.: BH41615

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	75			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	56			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	72			%	11/15/14	DD	30 - 130 %
% Phenol-d5	61			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	95			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/14	9:35
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41616

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35		mg/Kg	11/17/14	EK	SW6010	
Aluminum	11000	53		mg/Kg	11/17/14	EK	SW6010	
Arsenic	1.9	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	35.4	0.35		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.35	0.28		mg/Kg	11/17/14	EK	SW6010	
Calcium	772	5.3		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.35	0.35		mg/Kg	11/17/14	EK	SW6010	
Cobalt	7.39	0.35		mg/Kg	11/17/14	EK	SW6010	
Chromium	18.5	0.35		mg/Kg	11/17/14	EK	SW6010	
Copper	8.04	0.35		mg/kg	11/17/14	EK	SW6010	
Iron	14100	53		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.06	0.06		mg/Kg	11/17/14	RS	SW-7471	
Potassium	729	5.3		mg/Kg	11/17/14	EK	SW6010	
Magnesium	2520	5.3		mg/Kg	11/17/14	EK	SW6010	
Manganese	270	3.5		mg/Kg	11/17/14	EK	SW6010	
Sodium	55.6	5.3		mg/Kg	11/17/14	EK	SW6010	
Nickel	11.0	0.35		mg/Kg	11/17/14	EK	SW6010	
Lead	7.33	0.35		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.5	3.5		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.4	1.4		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.2	3.2		mg/Kg	11/17/14	EK	SW6010	
Vanadium	24.7	0.35		mg/Kg	11/17/14	EK	SW6010	
Zinc	30.0	0.35		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	90			%	11/14/14	I	SW846	
Total Cyanide	< 0.51	0.51		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Phoenix I.D.: BH41616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	73		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	48			%	11/15/14	AW	30 - 150 %
% TCMX	79			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	61			%	11/17/14	CE	30 - 150 %
% TCMX	74			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Phoenix I.D.: BH41616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Phoenix I.D.: BH41616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	90			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	93			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	360		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	580		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	250		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	250		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	250		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Phoenix I.D.: BH41616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	580		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1000		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1000		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	430		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1000		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	540		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	360		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	250		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	360		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	63			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP5A (1-3 FT)

Phoenix I.D.: BH41616

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	77			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	63			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	72			%	11/15/14	DD	30 - 130 %
% Phenol-d5	64			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	100			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/14	9:45
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41617

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Aluminum	5560	51		mg/Kg	11/17/14	EK	SW6010	
Arsenic	< 0.7	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	21.1	0.34		mg/Kg	11/17/14	EK	SW6010	
Beryllium	< 0.27	0.27		mg/Kg	11/17/14	EK	SW6010	
Calcium	898	5.1		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.34	0.34		mg/Kg	11/17/14	EK	SW6010	
Cobalt	5.37	0.34		mg/Kg	11/17/14	EK	SW6010	
Chromium	12.8	0.34		mg/Kg	11/17/14	EK	SW6010	
Copper	10.4	0.34		mg/kg	11/17/14	EK	SW6010	
Iron	9260	51		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.06	0.06		mg/Kg	11/17/14	RS	SW-7471	
Potassium	772	5.1		mg/Kg	11/17/14	EK	SW6010	
Magnesium	3100	5.1		mg/Kg	11/17/14	EK	SW6010	
Manganese	230	3.4		mg/Kg	11/17/14	EK	SW6010	
Sodium	54.8	5.1		mg/Kg	11/17/14	EK	SW6010	
Nickel	9.44	0.34		mg/Kg	11/17/14	EK	SW6010	
Lead	2.27	0.34		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.4	3.4		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.4	1.4		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.1	3.1		mg/Kg	11/17/14	EK	SW6010	
Vanadium	16.2	0.34		mg/Kg	11/17/14	EK	SW6010	
Zinc	23.6	0.34		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	95			%	11/14/14	I	SW846	
Total Cyanide	< 0.48	0.48		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Phoenix I.D.: BH41617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	70		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	70		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	62			%	11/15/14	AW	30 - 150 %
% TCMX	93			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	35	35	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	11/17/14	CE	30 - 150 %
% TCMX	87			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Phoenix I.D.: BH41617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	26		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	26		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	26		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	26		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Phoenix I.D.: BH41617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.3		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	86			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	100			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	92			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	340		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	550		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	550		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	240		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	550		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Phoenix I.D.: BH41617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	550		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	990		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	990		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	410		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	990		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	340		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	510		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	340		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	340		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	340		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	340		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	240		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	340		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	58			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: B106 (2-4 FT)

Phoenix I.D.: BH41617

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	72			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	60			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	70			%	11/15/14	DD	30 - 130 %
% Phenol-d5	61			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	90			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/14	10:30
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41618

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37		mg/Kg	11/17/14	EK	SW6010	
Aluminum	13100	56		mg/Kg	11/17/14	EK	SW6010	
Arsenic	5.8	0.7		mg/Kg	11/17/14	EK	SW6010	
Barium	167	0.37		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.47	0.30		mg/Kg	11/17/14	EK	SW6010	
Calcium	3190	5.6		mg/Kg	11/17/14	EK	SW6010	
Cadmium	0.53	0.37		mg/Kg	11/17/14	EK	SW6010	
Cobalt	7.49	0.37		mg/Kg	11/17/14	EK	SW6010	
Chromium	20.1	0.37		mg/Kg	11/17/14	EK	SW6010	
Copper	47.8	0.37		mg/kg	11/17/14	EK	SW6010	
Iron	19100	56		mg/Kg	11/17/14	EK	SW6010	
Mercury	0.72	0.07		mg/Kg	11/17/14	RS	SW-7471	
Potassium	968	5.6		mg/Kg	11/17/14	EK	SW6010	
Magnesium	2710	5.6		mg/Kg	11/17/14	EK	SW6010	
Manganese	381	3.7		mg/Kg	11/17/14	EK	SW6010	
Sodium	83.5	5.6		mg/Kg	11/17/14	EK	SW6010	
Nickel	14.3	0.37		mg/Kg	11/17/14	EK	SW6010	
Lead	640	3.7		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 3.7	3.7		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.5	1.5		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.4	3.4		mg/Kg	11/17/14	EK	SW6010	
Vanadium	25.0	0.37		mg/Kg	11/17/14	EK	SW6010	
Zinc	308	3.7		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	89			%	11/14/14	I	SW846	
Total Cyanide	< 0.56	0.56		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Phoenix I.D.: BH41618

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	75		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	75		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	49			%	11/15/14	AW	30 - 150 %
% TCMX	71			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	37	37	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	65			%	11/17/14	CE	30 - 150 %
% TCMX	70			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Phoenix I.D.: BH41618

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Phoenix I.D.: BH41618

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	92			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	95			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	590		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	480	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	590		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	590		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	260		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Phoenix I.D.: BH41618

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	590		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	1300	260		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	330	260		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	2900	260		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	9100	1300		ug/Kg	11/16/14	DD	SW 8270	
Benzidine	ND	440		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	7500	1300		ug/Kg	11/16/14	DD	SW 8270	
Benzo(b)fluoranthene	8900	1300		ug/Kg	11/16/14	DD	SW 8270	
Benzo(ghi)perylene	2100	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	2400	260		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1100		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	1700	550		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	9500	1300		ug/Kg	11/16/14	DD	SW 8270	
Dibenz(a,h)anthracene	700	260		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	640	260		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	18000	1300		ug/Kg	11/16/14	DD	SW 8270	
Fluorene	1100	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	2200	260		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	680	260		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	17000	1300		ug/Kg	11/16/14	DD	SW 8270	
Phenol	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	19000	1300		ug/Kg	11/16/14	DD	SW 8270	
Pyridine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	60			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: B107 (2-3 FT)

Phoenix I.D.: BH41618

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	73			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	59			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	74			%	11/15/14	DD	30 - 130 %
% Phenol-d5	60			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	77			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/13/14	0:00
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41619

Project ID: 141228-0/34-22 35TH ST
Client ID: GP DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40		mg/Kg	11/17/14	EK	SW6010	
Aluminum	14100	60		mg/Kg	11/17/14	EK	SW6010	
Arsenic	2.6	0.8		mg/Kg	11/17/14	EK	SW6010	
Barium	32.8	0.40		mg/Kg	11/17/14	EK	SW6010	
Beryllium	0.44	0.32		mg/Kg	11/17/14	EK	SW6010	
Calcium	745	6.0		mg/Kg	11/17/14	EK	SW6010	
Cadmium	< 0.40	0.40		mg/Kg	11/17/14	EK	SW6010	
Cobalt	8.86	0.40		mg/Kg	11/17/14	EK	SW6010	
Chromium	21.3	0.40		mg/Kg	11/17/14	EK	SW6010	
Copper	9.92	0.40		mg/kg	11/17/14	EK	SW6010	
Iron	17300	60		mg/Kg	11/17/14	EK	SW6010	
Mercury	< 0.07	0.07		mg/Kg	11/17/14	RS	SW-7471	
Potassium	1400	6.0		mg/Kg	11/17/14	EK	SW6010	
Magnesium	3260	6.0		mg/Kg	11/17/14	EK	SW6010	
Manganese	291	4.0		mg/Kg	11/17/14	EK	SW6010	
Sodium	70.0	6.0		mg/Kg	11/17/14	EK	SW6010	
Nickel	14.7	0.40		mg/Kg	11/17/14	EK	SW6010	
Lead	5.72	0.40		mg/Kg	11/17/14	EK	SW6010	
Antimony	< 4.0	4.0		mg/Kg	11/17/14	EK	SW6010	
Selenium	< 1.6	1.6		mg/Kg	11/17/14	EK	SW6010	
Thallium	< 3.6	3.6		mg/Kg	11/17/14	EK	SW6010	
Vanadium	30.1	0.40		mg/Kg	11/17/14	EK	SW6010	
Zinc	29.6	0.40		mg/Kg	11/17/14	EK	SW6010	B
Percent Solid	89			%	11/14/14	I	SW846	
Total Cyanide	< 0.51	0.51		mg/Kg	11/16/14	O/EG	SW 9010/9012	
Soil Extraction for PCB	Completed				11/14/14	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				11/14/14	BC	SW3545	
Soil Extraction for SVOA	Completed				11/14/14	BB/VH	SW3545	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP DUP

Phoenix I.D.: BH41619

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				11/17/14	I/I	SW7471
Total Metals Digest	Completed				11/14/14	CB/AG	SW846 - 3050
Polychlorinated Biphenyls							
PCB-1016	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1221	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1232	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1242	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1248	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1254	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1260	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1262	ND	73		ug/Kg	11/15/14	AW	SW 8082
PCB-1268	ND	73		ug/Kg	11/15/14	AW	SW 8082
QA/QC Surrogates							
% DCBP	51			%	11/15/14	AW	30 - 150 %
% TCMX	83			%	11/15/14	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	11/17/14	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Chlordane	ND	36	36	ug/Kg	11/17/14	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	11/17/14	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	11/17/14	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	11/17/14	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	11/17/14	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	11/17/14	CE	SW8081
QA/QC Surrogates							
% DCBP	74			%	11/17/14	CE	30 - 150 %
% TCMX	77			%	11/17/14	CE	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260
1,1-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260

Project ID: 141228-0/34-22 35TH ST
Client ID: GP DUP

Phoenix I.D.: BH41619

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
1,1-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,1-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,3-Trichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2,4-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dibromoethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3,5-Trimethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,3-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
1,4-Dichlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2,2-Dichloropropane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
2-Hexanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
2-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	1
4-Chlorotoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
4-Methyl-2-pentanone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acetone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Acrylonitrile	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Benzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromodichloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromoform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Bromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon Disulfide	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Carbon tetrachloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chlorobenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloroform	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Chloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
cis-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromochloromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dibromomethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Dichlorodifluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Ethylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Hexachlorobutadiene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Isopropylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
m&p-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Methyl Ethyl Ketone	ND	28		ug/Kg	11/17/14	JLI	SW8260	
Methyl t-butyl ether (MTBE)	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Methylene chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Naphthalene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
n-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
n-Propylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
o-Xylene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
p-Isopropyltoluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
sec-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Styrene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
tert-Butylbenzene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrachloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Tetrahydrofuran (THF)	ND	11		ug/Kg	11/17/14	JLI	SW8260	1
Toluene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Total Xylenes	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,2-Dichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,3-Dichloropropene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
trans-1,4-dichloro-2-butene	ND	11		ug/Kg	11/17/14	JLI	SW8260	
Trichloroethene	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorofluoromethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Trichlorotrifluoroethane	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
Vinyl chloride	ND	5.6		ug/Kg	11/17/14	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	89			%	11/17/14	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	11/17/14	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	11/17/14	JLI	70 - 130 %	
% Toluene-d8	93			%	11/17/14	JLI	70 - 130 %	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,2-Diphenylhydrazine	ND	370		ug/Kg	11/15/14	DD	SW 8270
1,3-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
1,4-Dichlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dichlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dimethylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrophenol	ND	600		ug/Kg	11/15/14	DD	SW 8270
2,4-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2,6-Dinitrotoluene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chloronaphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Chlorophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylnaphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260		ug/Kg	11/15/14	DD	SW 8270
2-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270
2-Nitrophenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370		ug/Kg	11/15/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	260		ug/Kg	11/15/14	DD	SW 8270
3-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370		ug/Kg	11/15/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	260		ug/Kg	11/15/14	DD	SW 8270
4-Chloroaniline	ND	260		ug/Kg	11/15/14	DD	SW 8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GP DUP

Phoenix I.D.: BH41619

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
4-Chlorophenyl phenyl ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	
4-Nitroaniline	ND	600		ug/Kg	11/15/14	DD	SW 8270	
4-Nitrophenol	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Acenaphthylene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Acetophenone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Aniline	ND	1100		ug/Kg	11/15/14	DD	SW 8270	
Anthracene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benz(a)anthracene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benzidine	ND	450		ug/Kg	11/15/14	DD	SW 8270	
Benzo(a)pyrene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(b)fluoranthene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(ghi)perylene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benzo(k)fluoranthene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Benzoic acid	ND	1100		ug/Kg	11/15/14	DD	SW 8270	1
Benzyl butyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260		ug/Kg	11/15/14	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Carbazole	ND	560		ug/Kg	11/15/14	DD	SW 8270	
Chrysene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dibenz(a,h)anthracene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dibenzofuran	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Diethyl phthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Dimethylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-butylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Di-n-octylphthalate	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Fluoranthene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Fluorene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorobutadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Hexachloroethane	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Isophorone	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Naphthalene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Nitrobenzene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodimethylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	260		ug/Kg	11/15/14	DD	SW 8270	
N-Nitrosodiphenylamine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachloronitrobenzene	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Pentachlorophenol	ND	370		ug/Kg	11/15/14	DD	SW 8270	
Phenanthrene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Phenol	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Pyrene	ND	260		ug/Kg	11/15/14	DD	SW 8270	
Pyridine	ND	370		ug/Kg	11/15/14	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	64			%	11/15/14	DD	30 - 130 %	

Project ID: 141228-0/34-22 35TH ST
Client ID: GP DUP

Phoenix I.D.: BH41619

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% 2-Fluorobiphenyl	69			%	11/15/14	DD	30 - 130 %
% 2-Fluorophenol	55			%	11/15/14	DD	30 - 130 %
% Nitrobenzene-d5	65			%	11/15/14	DD	30 - 130 %
% Phenol-d5	59			%	11/15/14	DD	30 - 130 %
% Terphenyl-d14	91			%	11/15/14	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

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

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

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
November 24, 2014
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

November 24, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/13/14	11:00
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41609
Phoenix ID: BH41621

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/18/14	LK	SW6010
Aluminum	0.030	0.010		mg/L	11/17/14	EK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/17/14	EK	SW6010
Barium	< 0.002	0.002		mg/L	11/17/14	EK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Calcium	8.27	0.010		mg/L	11/17/14	EK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Cobalt	< 0.002	0.002		mg/L	11/17/14	EK	SW6010
Chromium	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Copper	< 0.005	0.005		mg/L	11/17/14	EK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/18/14	EK	SW6010
Aluminum (Dissolved)	0.07	0.01		mg/L	11/17/14	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/17/14	EK	SW6010
Barium (Dissolved)	0.003	0.002		mg/L	11/17/14	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Calcium (Dissolved)	6.82	0.01		mg/L	11/17/14	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/17/14	EK	SW6010
Iron (Dissolved)	< 0.011	0.011		mg/L	11/17/14	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/18/14	RS	SW7470
Potassium (Dissolved)	1.0	0.1		mg/L	11/17/14	EK	SW6010
Magnesium (Dissolved)	1.06	0.01		mg/L	11/17/14	EK	SW6010
Manganese (Dissolved)	0.002	0.001		mg/L	11/17/14	EK	SW6010
Sodium (Dissolved)	7.80	0.11		mg/L	11/17/14	LK	SW6010
Nickel (Dissolved)	< 0.001	0.001		mg/L	11/17/14	EK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/17/14	EK	SW6010

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003		mg/L	11/17/14	EK	SW6010	
Selenium (Dissolved)	< 0.002	0.002		mg/L	11/18/14	R/T	E200.9/SM3113B	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	11/17/14	RS	SW7010	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	11/17/14	EK	SW6010	
Zinc (Dissolved)	0.005	0.002		mg/L	11/17/14	EK	SW6010	
Iron	< 0.010	0.010		mg/L	11/17/14	LK	SW6010	B
Mercury	< 0.0002	0.0002		mg/L	11/17/14	RS	SW7470	
Potassium	0.9	0.1		mg/L	11/17/14	EK	SW6010	
Magnesium	1.29	0.01		mg/L	11/17/14	EK	SW6010	
Manganese	< 0.001	0.001		mg/L	11/17/14	EK	SW6010	
Sodium	13.7	0.1		mg/L	11/17/14	EK	SW6010	
Nickel	< 0.001	0.001		mg/L	11/17/14	EK	SW6010	
Lead	< 0.002	0.002		mg/L	11/17/14	EK	SW6010	
Antimony	< 0.003	0.003		mg/L	11/17/14	EK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/17/14	EK	SW6010	
Thallium	< 0.0005	0.0005		mg/L	11/17/14	RS	SM3113B/SW70	
Vanadium	< 0.002	0.002		mg/L	11/17/14	EK	SW6010	
Zinc	0.004	0.002		mg/L	11/17/14	LK	SW6010	B*
Filtration	Completed				11/14/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/18/14	I/I	SW7470	
Mercury Digestion	Completed				11/17/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/14/14	L	SW3510	
Extraction for Pest (2 Liter)	Completed				11/14/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/14/14	E/K/D	SW3520	
Dissolved Metals Preparation	Completed				11/14/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/14/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/15/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	95			%	11/15/14	AW	30 - 150 %	
% TCMX	75			%	11/15/14	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.010		ug/L	11/18/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	11/18/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	11/18/14	CE	SW8081	
a-BHC	ND	0.010		ug/L	11/18/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/18/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	11/18/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/18/14	CE	SW8081	
Chlordane	ND	0.050		ug/L	11/18/14	CE	SW8081	

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	11/18/14	CE	SW8081	
Dieldrin	ND	0.002		ug/L	11/18/14	CE	SW8081	
Endosulfan I	ND	0.050		ug/L	11/18/14	CE	SW8081	
Endosulfan II	ND	0.050		ug/L	11/18/14	CE	SW8081	
Endosulfan Sulfate	ND	0.050		ug/L	11/18/14	CE	SW8081	
Endrin	ND	0.010		ug/L	11/18/14	CE	SW8081	
Endrin Aldehyde	ND	0.050		ug/L	11/18/14	CE	SW8081	
Endrin ketone	ND	0.050		ug/L	11/18/14	CE	SW8081	
g-BHC (Lindane)	ND	0.025		ug/L	11/18/14	CE	SW8081	
Heptachlor	ND	0.010		ug/L	11/18/14	CE	SW8081	
Heptachlor epoxide	ND	0.010		ug/L	11/18/14	CE	SW8081	
Methoxychlor	ND	0.10		ug/L	11/18/14	CE	SW8081	
Toxaphene	ND	0.20		ug/L	11/18/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	72			%	11/18/14	CE	30 - 150 %	
%TCMX (Surrogate Rec)	73			%	11/18/14	CE	30 - 150 %	

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,1,1-Trichloroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/17/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,1-Dichloroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,1-Dichloroethene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,1-Dichloropropene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2,3-Trichloropropane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2-Dibromoethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2-Dichlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,2-Dichloroethane	ND	0.60		ug/L	11/17/14	MH	SW8260	
1,2-Dichloropropane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,3-Dichlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,3-Dichloropropane	ND	1.0		ug/L	11/17/14	MH	SW8260	
1,4-Dichlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
2,2-Dichloropropane	ND	1.0		ug/L	11/17/14	MH	SW8260	
2-Chlorotoluene	ND	1.0		ug/L	11/17/14	MH	SW8260	
2-Hexanone	ND	5.0		ug/L	11/17/14	MH	SW8260	
2-Isopropyltoluene	ND	1.0		ug/L	11/17/14	MH	SW8260	1
4-Chlorotoluene	ND	1.0		ug/L	11/17/14	MH	SW8260	
4-Methyl-2-pentanone	ND	5.0		ug/L	11/17/14	MH	SW8260	
Acetone	ND	25		ug/L	11/17/14	MH	SW8260	
Acrylonitrile	ND	5.0		ug/L	11/17/14	MH	SW8260	
Benzene	ND	0.70		ug/L	11/17/14	MH	SW8260	
Bromobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Bromochloromethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Bromodichloromethane	ND	0.50		ug/L	11/17/14	MH	SW8260	

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/17/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/17/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/17/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/17/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/17/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/17/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/17/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/17/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/17/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/17/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/17/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/17/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/17/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/17/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/17/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/17/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/17/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/17/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/17/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/17/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/17/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/17/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/17/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	11/17/14	MH	70 - 130 %	
% Bromofluorobenzene	96			%	11/17/14	MH	70 - 130 %	
% Dibromofluoromethane	99			%	11/17/14	MH	70 - 130 %	
% Toluene-d8	100			%	11/17/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/18/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/18/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/18/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/18/14	DD	SW8270

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/18/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/18/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/18/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/18/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/18/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/18/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/18/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/18/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/18/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/18/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/18/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/18/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/18/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/18/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/18/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/18/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/18/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/18/14	DD	SW8270
Benzidine	ND	50		ug/L	11/18/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/18/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/18/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/18/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/18/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/18/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/18/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/18/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/18/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/18/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/18/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/18/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/18/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/18/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/18/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/18/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/18/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/18/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92			%	11/18/14	DD	15 - 110 %
% 2-Fluorobiphenyl	52			%	11/18/14	DD	30 - 130 %
% 2-Fluorophenol	45			%	11/18/14	DD	15 - 110 %
% Nitrobenzene-d5	60			%	11/18/14	DD	30 - 130 %
% Phenol-d5	52			%	11/18/14	DD	15 - 110 %

Project ID: 141228-0/34-22 35TH ST
Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	93			%	11/18/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.0		ug/L	11/17/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/17/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/17/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/17/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/17/14	DD	SW8270 (SIM)
Fluorene	ND	0.10		ug/L	11/17/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/17/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Naphthalene	ND	0.10		ug/L	11/17/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10		ug/L	11/17/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	11/17/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80		ug/L	11/17/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/17/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/17/14	DD	SW8270 (SIM)
Pyridine	ND	0.50		ug/L	11/17/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	92			%	11/17/14	DD	15 - 110 %
% 2-Fluorobiphenyl	52			%	11/17/14	DD	30 - 130 %
% 2-Fluorophenol	45			%	11/17/14	DD	15 - 110 %
% Nitrobenzene-d5	60			%	11/17/14	DD	30 - 130 %
% Phenol-d5	52			%	11/17/14	DD	15 - 110 %
% Terphenyl-d14	93			%	11/17/14	DD	30 - 130 %

Project ID: 141228-0/34-22 35TH ST

Client ID: GW-FIELD BLANK

Phoenix I.D.: BH41621

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

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

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

Comments:

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

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

November 24, 2014

Reviewed and Released by: Ethan Lee, Project Manager

Environmental Laboratories, Inc.
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QA/QC Report

November 24, 2014

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 292255, QC Sample No: BH41013 (BH41621)													
Selenium (Dissolved)	BRL	<0.004	<0.011	NC	101	105	3.9	103	101	2.0	75 - 125	20	
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	111	112	0.9	113	116	2.6	75 - 125	20	
QA/QC Batch 292402, QC Sample No: BH41205 (BH41609, BH41610, BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)													
ICP Metals - Soil													
Aluminum	BRL	2960	2900	2.00	95.3	99.5	4.3	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.5	<3.4	NC	78.5	81.2	3.4	84.2	95.4	12.5	75 - 125	30	
Arsenic	BRL	<0.7	<0.67	NC	108	112	3.6	91.0	98.9	8.3	75 - 125	30	
Barium	BRL	22.6	22.8	0.90	110	118	7.0	97.9	105	7.0	75 - 125	30	
Beryllium	BRL	<0.28	<0.27	NC	104	107	2.8	93.2	102	9.0	75 - 125	30	
Cadmium	BRL	<0.35	<0.34	NC	117	122	4.2	94.1	100	6.1	75 - 125	30	
Calcium	BRL	629	527	17.6	99.6	103	3.4	>130	>130	NC	75 - 125	30	m
Chromium	BRL	4.46	4.01	10.6	105	110	4.7	95.1	103	8.0	75 - 125	30	
Cobalt	BRL	3.16	2.84	10.7	93.1	97.7	4.8	95.7	104	8.3	75 - 125	30	
Copper	BRL	9.13	9.52	4.20	97.9	103	5.1	101	108	6.7	75 - 125	30	
Iron	BRL	6970	6690	4.10	90.7	88.5	2.5	NC	NC	NC	75 - 125	30	
Lead	BRL	1.74	1.78	NC	103	106	2.9	91.9	100	8.4	75 - 125	30	
Magnesium	BRL	1300	1270	2.30	103	107	3.8	NC	NC	NC	75 - 125	30	
Manganese	BRL	111	101	9.40	113	116	2.6	110	113	2.7	75 - 125	30	
Nickel	BRL	4.78	3.56	29.3	105	107	1.9	92.7	101	8.6	75 - 125	30	
Potassium	BRL	888	898	1.10	98.8	101	2.2	118	123	4.1	75 - 125	30	
Selenium	BRL	<1.4	<1.3	NC	103	111	7.5	82.9	89.9	8.1	75 - 125	30	
Silver	BRL	<0.35	<0.34	NC	103	110	6.6	91.8	100	8.6	75 - 125	30	
Sodium	BRL	42.4	35.1	18.8	104	106	1.9	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.2	<3.0	NC	107	110	2.8	93.2	102	9.0	75 - 125	30	
Vanadium	BRL	9.79	10.0	2.10	113	119	5.2	98.4	107	8.4	75 - 125	30	
Zinc	0.55	22.8	21.4	6.30	115	121	5.1	95.9	101	5.2	75 - 125	30	
QA/QC Batch 292622, QC Sample No: BH41472 (BH41621)													
Mercury (Dissolved)	BRL	<0.0002	<0.0003	NC	99.8	102	2.2	96.9	93.0	4.1	70 - 130	20	

Comment:

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

QA/QC Batch 292430, QC Sample No: BH41515 (BH41621)													
ICP Metals - Aqueous													
Aluminum	BRL	0.065	0.027	NC	94.7	94.2	0.5	87.3	87.9	0.7	75 - 125	20	
Antimony	BRL	<0.005	<0.005	NC	100	96.6	3.5	97.1	98.4	1.3	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	97.4	94.8	2.7	94.7	96.3	1.7	75 - 125	20	
Barium	BRL	0.004	0.004	NC	100	99.4	0.6	96.8	97.8	1.0	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	99.7	100	0.3	98.7	99.1	0.4	75 - 125	20	
Cadmium	BRL	<0.001	<0.001	NC	100	97.4	2.6	95.9	99.4	3.6	75 - 125	20	
Calcium	BRL	14.8	14.5	2.00	99.1	99.6	0.5	101	108	6.7	75 - 125	20	
Chromium	BRL	<0.001	<0.001	NC	96.9	94.1	2.9	93.4	94.9	1.6	75 - 125	20	

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Cobalt	BRL	<0.002	<0.002	NC	102	98.9	3.1	98.0	99.7	1.7	75 - 125	20
Copper	BRL	0.019	0.018	NC	95.8	96.3	0.5	93.7	95.4	1.8	75 - 125	20
Iron	0.014	0.345	0.336	2.60	101	97.9	3.1	97.3	99.1	1.8	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	100	97.1	2.9	96.4	97.8	1.4	75 - 125	20
Magnesium	BRL	3.04	2.99	1.70	99.6	98.4	1.2	99.1	101	1.9	75 - 125	20
Manganese	BRL	0.090	0.088	2.20	99.0	96.2	2.9	94.9	98.2	3.4	75 - 125	20
Nickel	BRL	0.005	0.004	NC	103	99.6	3.4	98.7	100	1.3	75 - 125	20
Potassium	BRL	21.4	21.1	1.40	94.9	98.0	3.2	98.4	93.0	5.6	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	99.8	98.4	1.4	96.3	99.3	3.1	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	92.4	93.1	0.8	90.1	92.4	2.5	75 - 125	20
Sodium	BRL	191	188	1.60	90.5	93.5	3.3	NC	NC	NC	75 - 125	20
Vanadium	BRL	0.002	0.003	NC	94.9	95.6	0.7	92.5	95.0	2.7	75 - 125	20
Zinc	0.008	0.036	0.035	2.80	98.9	95.9	3.1	95.2	98.8	3.7	75 - 125	20
QA/QC Batch 292473, QC Sample No: BH41611 (BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)												
Mercury - Soil	BRL	0.14	0.13	NC	98.4	97.9	0.5	75.8	84.0	10.3	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 292408, QC Sample No: BH41621 (BH41621)												
ICP Metals - Dissolved												
Aluminum	BRL	0.07	0.05	33.3	89.3	95.0	6.2	83.9	81.3	3.1	75 - 125	20 r
Antimony	BRL	<0.005	<0.005	NC	89.9	98.1	8.7	91.4	90.8	0.7	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	88.9	97.0	8.7	90.1	89.4	0.8	75 - 125	20
Barium	BRL	0.003	0.003	NC	95.1	101	6.0	94.1	92.3	1.9	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	94.4	101	6.8	94.8	93.9	1.0	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	92.0	99.4	7.7	91.7	90.3	1.5	75 - 125	20
Calcium	BRL	6.82	6.81	0.10	94.0	99.2	5.4	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	89.8	96.2	6.9	89.5	88.7	0.9	75 - 125	20
Cobalt	BRL	<0.001	<0.001	NC	94.2	102	8.0	94.5	93.1	1.5	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	92.5	96.8	4.5	91.8	90.4	1.5	75 - 125	20
Iron	BRL	<0.011	<0.011	NC	93.1	99.8	6.9	93.1	91.9	1.3	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	91.2	98.4	7.6	91.6	90.8	0.9	75 - 125	20
Magnesium	BRL	1.06	1.09	2.80	93.1	100	7.1	89.8	89.2	0.7	75 - 125	20
Manganese	BRL	0.002	0.002	NC	92.1	98.7	6.9	91.5	90.0	1.7	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	93.9	102	8.3	94.2	93.1	1.2	75 - 125	20
Potassium	BRL	1.0	0.9	10.5	88.8	93.1	4.7	88.5	89.2	0.8	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	87.5	92.9	6.0	87.6	86.1	1.7	75 - 125	20
Sodium	BRL	7.80	7.63	2.20	86.4	89.1	3.1	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	91.7	95.8	4.4	90.7	89.0	1.9	75 - 125	20
Zinc	BRL	0.005	0.005	NC	90.0	97.8	8.3	90.7	89.1	1.8	75 - 125	20
QA/QC Batch 292472, QC Sample No: BH41672 (BH41609, BH41610)												
Mercury - Soil	BRL	<0.06	<0.06	NC	97.8	92.7	5.4	99.4	88.4	11.7	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 292417, QC Sample No: BH41679 (BH41621)												
Thallium - Water	BRL	<0.002	<0.002	NC	108	109	0.9	107	108	0.9	75 - 125	20
QA/QC Batch 292475, QC Sample No: BH41686 (BH41621)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	94.8	94.1	0.7	94.5	85.8	9.7	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

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NY # 11301

QA/QC Report

November 24, 2014

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292461, QC Sample No: BH41614 (BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)												
Total Cyanide	BRL	<0.65	<0.59	NC	94.6			95.0			85 - 115	30
QA/QC Batch 292460, QC Sample No: BH41672 (BH41609, BH41610, BH41611, BH41612)												
Total Cyanide	BRL	<0.52	<0.52	NC	100			102			85 - 115	30

PHOENIX

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QA/QC Report

November 24, 2014

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292232, QC Sample No: BH40961 (BH41609, BH41610, BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618)									
Pesticides - Solid									
4,4' -DDD	ND	80	85	6.1	79	76	3.9	40 - 140	30
4,4' -DDE	ND	82	86	4.8	81	74	9.0	40 - 140	30
4,4' -DDT	ND	78	82	5.0	77	73	5.3	40 - 140	30
a-BHC	ND	84	87	3.5	84	77	8.7	40 - 140	30
a-Chlordane	ND	81	85	4.8	81	74	9.0	40 - 140	30
Aldrin	ND	81	84	3.6	80	73	9.2	40 - 140	30
b-BHC	ND	86	87	1.2	84	78	7.4	40 - 140	30
Chlordane	ND	82	85	3.6	81	74	9.0	40 - 140	30
d-BHC	ND	79	81	2.5	79	73	7.9	40 - 140	30
Dieldrin	ND	84	88	4.7	84	77	8.7	40 - 140	30
Endosulfan I	ND	83	84	1.2	84	76	10.0	40 - 140	30
Endosulfan II	ND	75	66	12.8	82	86	4.8	40 - 140	30
Endosulfan sulfate	ND	65	64	1.6	62	64	3.2	40 - 140	30
Endrin	ND	80	86	7.2	82	74	10.3	40 - 140	30
Endrin aldehyde	ND	67	56	17.9	64	74	14.5	40 - 140	30
Endrin ketone	ND	78	81	3.8	75	74	1.3	40 - 140	30
g-BHC	ND	83	87	4.7	83	78	6.2	40 - 140	30
g-Chlordane	ND	82	85	3.6	81	74	9.0	40 - 140	30
Heptachlor	ND	81	84	3.6	79	73	7.9	40 - 140	30
Heptachlor epoxide	ND	83	87	4.7	82	76	7.6	40 - 140	30
Methoxychlor	ND	81	86	6.0	80	76	5.1	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	92	91	93	2.2	87	83	4.7	30 - 150	30
% TCMX	51	91	92	1.1	88	83	5.8	30 - 150	30
QA/QC Batch 292389, QC Sample No: BH41592 (BH41609, BH41610, BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	112	117	4.4	118	103	13.6	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	100	104	3.9	101	101	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	91	95	102	7.1	96	96	0.0	30 - 150	30
% TCMX (Surrogate Rec)	101	102	106	3.8	106	96	9.9	30 - 150	30

QA/QC Data

SDG I.D.: GBH41609

QA/QC Batch 292386, QC Sample No: BH41592 (BH41609, BH41610, BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)

Semivolatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	83	82	1.2	83	69	18.4	30 - 130	30	
1,2,4-Trichlorobenzene	ND	88	87	1.1	86	72	17.7	30 - 130	30	
1,2-Dichlorobenzene	ND	71	72	1.4	70	59	17.1	30 - 130	30	
1,2-Diphenylhydrazine	ND	107	108	0.9	83	68	19.9	30 - 130	30	
1,3-Dichlorobenzene	ND	70	71	1.4	69	57	19.0	30 - 130	30	
1,4-Dichlorobenzene	ND	70	71	1.4	70	58	18.8	30 - 130	30	
2,4,5-Trichlorophenol	ND	91	89	2.2	91	75	19.3	30 - 130	30	
2,4,6-Trichlorophenol	ND	86	84	2.4	84	69	19.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	92	2.2	93	75	21.4	30 - 130	30	
2,4-Dimethylphenol	ND	84	81	3.6	79	68	15.0	30 - 130	30	
2,4-Dinitrophenol	ND	18	21	15.4	39	38	2.6	30 - 130	30	l
2,4-Dinitrotoluene	ND	88	86	2.3	87	72	18.9	30 - 130	30	
2,6-Dinitrotoluene	ND	93	90	3.3	92	75	20.4	30 - 130	30	
2-Chloronaphthalene	ND	83	82	1.2	83	69	18.4	30 - 130	30	
2-Chlorophenol	ND	82	82	0.0	81	66	20.4	30 - 130	30	
2-Methylnaphthalene	ND	88	87	1.1	87	73	17.5	30 - 130	30	
2-Methylphenol (o-cresol)	ND	86	81	6.0	80	65	20.7	30 - 130	30	
2-Nitroaniline	ND	151	146	3.4	137	109	22.8	30 - 130	30	l,m
2-Nitrophenol	ND	88	88	0.0	90	73	20.9	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	83	81	2.4	81	66	20.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	91	90	1.1	80	71	11.9	30 - 130	30	
3-Nitroaniline	ND	156	149	4.6	140	108	25.8	30 - 130	30	l,m
4,6-Dinitro-2-methylphenol	ND	40	40	0.0	85	75	12.5	30 - 130	30	
4-Bromophenyl phenyl ether	ND	87	86	1.2	86	73	16.4	30 - 130	30	
4-Chloro-3-methylphenol	ND	101	98	3.0	100	80	22.2	30 - 130	30	
4-Chloroaniline	ND	103	97	6.0	85	64	28.2	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	79	78	1.3	79	68	15.0	30 - 130	30	
4-Nitroaniline	ND	94	91	3.2	93	75	21.4	30 - 130	30	
4-Nitrophenol	ND	88	82	7.1	74	49	40.7	30 - 130	30	r
Acenaphthene	ND	80	78	2.5	79	65	19.4	30 - 130	30	
Acenaphthylene	ND	82	81	1.2	81	68	17.4	30 - 130	30	
Acetophenone	ND	79	79	0.0	79	64	21.0	30 - 130	30	
Aniline	ND	83	83	0.0	72	55	26.8	30 - 130	30	
Anthracene	ND	84	83	1.2	84	71	16.8	30 - 130	30	
Benz(a)anthracene	ND	88	85	3.5	90	73	20.9	30 - 130	30	
Benzidine	ND	45	42	6.9	16	15	6.5	30 - 130	30	m
Benzo(a)pyrene	ND	87	84	3.5	84	72	15.4	30 - 130	30	
Benzo(b)fluoranthene	ND	88	80	9.5	86	71	19.1	30 - 130	30	
Benzo(ghi)perylene	ND	103	98	5.0	99	80	21.2	30 - 130	30	
Benzo(k)fluoranthene	ND	78	82	5.0	79	70	12.1	30 - 130	30	
Benzoic Acid	ND	<10	<10	NC	<10	<10	NC	30 - 130	30	l,m
Benzyl butyl phthalate	ND	89	86	3.4	90	72	22.2	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	89	87	2.3	87	72	18.9	30 - 130	30	
Bis(2-chloroethyl)ether	ND	66	66	0.0	66	53	21.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	70	70	0.0	69	58	17.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	79	76	3.9	79	69	13.5	30 - 130	30	
Carbazole	ND	139	136	2.2	135	112	18.6	30 - 130	30	l,m
Chrysene	ND	77	74	4.0	76	65	15.6	30 - 130	30	
Dibenz(a,h)anthracene	ND	98	94	4.2	95	78	19.7	30 - 130	30	

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dibenzofuran	ND	82	81	1.2	81	68	17.4	30 - 130	30	
Diethyl phthalate	ND	88	87	1.1	89	74	18.4	30 - 130	30	
Dimethylphthalate	ND	89	87	2.3	88	73	18.6	30 - 130	30	
Di-n-butylphthalate	ND	88	86	2.3	86	73	16.4	30 - 130	30	
Di-n-octylphthalate	ND	86	83	3.6	85	73	15.2	30 - 130	30	
Fluoranthene	ND	83	82	1.2	83	70	17.0	30 - 130	30	
Fluorene	ND	82	80	2.5	81	68	17.4	30 - 130	30	
Hexachlorobenzene	ND	88	87	1.1	88	75	16.0	30 - 130	30	
Hexachlorobutadiene	ND	80	80	0.0	79	67	16.4	30 - 130	30	
Hexachlorocyclopentadiene	ND	89	89	0.0	86	61	34.0	30 - 130	30	r
Hexachloroethane	ND	73	73	0.0	71	59	18.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	100	95	5.1	96	79	19.4	30 - 130	30	
Isophorone	ND	86	85	1.2	85	69	20.8	30 - 130	30	
Naphthalene	ND	85	85	0.0	85	71	17.9	30 - 130	30	
Nitrobenzene	ND	83	81	2.4	82	66	21.6	30 - 130	30	
N-Nitrosodimethylamine	ND	67	67	0.0	67	54	21.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	86	84	2.4	85	68	22.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	100	98	2.0	98	82	17.8	30 - 130	30	
Pentachloronitrobenzene	ND	87	84	3.5	86	73	16.4	30 - 130	30	
Pentachlorophenol	ND	63	62	1.6	71	60	16.8	30 - 130	30	
Phenanthrene	ND	84	83	1.2	83	71	15.6	30 - 130	30	
Phenol	ND	89	88	1.1	88	70	22.8	30 - 130	30	
Pyrene	ND	84	83	1.2	85	70	19.4	30 - 130	30	
Pyridine	ND	43	47	8.9	46	38	19.0	30 - 130	30	
% 2,4,6-Tribromophenol	79	74	75	1.3	75	64	15.8	30 - 130	30	
% 2-Fluorobiphenyl	75	77	77	0.0	78	65	18.2	30 - 130	30	
% 2-Fluorophenol	67	71	71	0.0	70	57	20.5	30 - 130	30	
% Nitrobenzene-d5	75	79	79	0.0	80	65	20.7	30 - 130	30	
% Phenol-d5	76	79	78	1.3	79	64	21.0	30 - 130	30	
% Terphenyl-d14	83	82	81	1.2	81	69	16.0	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 292670, QC Sample No: BH41610 (BH41609, BH41610 (50, 1X))

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	104	102	1.9	99	98	1.0	70 - 130	30
1,1,1-Trichloroethane	ND	102	98	4.0	95	96	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	99	94	5.2	92	93	1.1	70 - 130	30
1,1,2-Trichloroethane	ND	103	95	8.1	98	98	0.0	70 - 130	30
1,1-Dichloroethane	ND	99	96	3.1	93	94	1.1	70 - 130	30
1,1-Dichloroethene	ND	107	105	1.9	90	89	1.1	70 - 130	30
1,1-Dichloropropene	ND	105	100	4.9	101	100	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	87	83	4.7	100	102	2.0	70 - 130	30
1,2,3-Trichloropropane	ND	103	94	9.1	92	95	3.2	70 - 130	30
1,2,4-Trichlorobenzene	ND	79	77	2.6	107	105	1.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	89	87	2.3	101	99	2.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	108	93	14.9	88	91	3.4	70 - 130	30
1,2-Dibromoethane	ND	104	97	7.0	96	96	0.0	70 - 130	30
1,2-Dichlorobenzene	ND	95	92	3.2	102	101	1.0	70 - 130	30
1,2-Dichloroethane	ND	103	96	7.0	98	98	0.0	70 - 130	30
1,2-Dichloropropane	ND	101	99	2.0	98	97	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	95	94	1.1	100	100	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichlorobenzene	ND	89	86	3.4	102	102	0.0	70 - 130	30	
1,3-Dichloropropane	ND	102	97	5.0	97	96	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	88	86	2.3	102	102	0.0	70 - 130	30	
2,2-Dichloropropane	ND	95	93	2.1	92	94	2.2	70 - 130	30	
2-Chlorotoluene	ND	95	93	2.1	101	101	0.0	70 - 130	30	
2-Hexanone	ND	92	81	12.7	82	83	1.2	70 - 130	30	
2-Isopropyltoluene	ND	101	99	2.0	102	100	2.0	70 - 130	30	
4-Chlorotoluene	ND	90	88	2.2	100	100	0.0	70 - 130	30	
4-Methyl-2-pentanone	ND	98	86	13.0	87	89	2.3	70 - 130	30	
Acetone	ND	95	79	18.4	60	57	5.1	70 - 130	30	m
Acrylonitrile	ND	102	87	15.9	86	92	6.7	70 - 130	30	
Benzene	ND	104	100	3.9	98	98	0.0	70 - 130	30	
Bromobenzene	ND	99	95	4.1	99	100	1.0	70 - 130	30	
Bromochloromethane	ND	102	96	6.1	95	93	2.1	70 - 130	30	
Bromodichloromethane	ND	105	100	4.9	95	95	0.0	70 - 130	30	
Bromoform	ND	106	100	5.8	85	90	5.7	70 - 130	30	
Bromomethane	ND	105	104	1.0	86	90	4.5	70 - 130	30	
Carbon Disulfide	ND	108	105	2.8	87	86	1.2	70 - 130	30	
Carbon tetrachloride	ND	108	104	3.8	97	96	1.0	70 - 130	30	
Chlorobenzene	ND	97	95	2.1	100	100	0.0	70 - 130	30	
Chloroethane	ND	102	103	1.0	60	60	0.0	70 - 130	30	m
Chloroform	ND	99	95	4.1	88	89	1.1	70 - 130	30	
Chloromethane	ND	97	94	3.1	98	98	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	99	95	4.1	95	95	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	98	5.0	97	100	3.0	70 - 130	30	
Dibromochloromethane	ND	107	103	3.8	93	94	1.1	70 - 130	30	
Dibromomethane	ND	102	97	5.0	96	96	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	96	93	3.2	104	103	1.0	70 - 130	30	
Ethylbenzene	ND	101	99	2.0	100	100	0.0	70 - 130	30	
Hexachlorobutadiene	ND	96	93	3.2	105	105	0.0	70 - 130	30	
Isopropylbenzene	ND	99	97	2.0	99	99	0.0	70 - 130	30	
m&p-Xylene	ND	98	97	1.0	101	101	0.0	70 - 130	30	
Methyl ethyl ketone	ND	94	79	17.3	79	84	6.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	108	101	6.7	100	98	2.0	70 - 130	30	
Methylene chloride	ND	93	91	2.2	81	81	0.0	70 - 130	30	
Naphthalene	ND	98	91	7.4	93	97	4.2	70 - 130	30	
n-Butylbenzene	ND	89	86	3.4	105	104	1.0	70 - 130	30	
n-Propylbenzene	ND	90	88	2.2	100	101	1.0	70 - 130	30	
o-Xylene	ND	98	97	1.0	100	99	1.0	70 - 130	30	
p-Isopropyltoluene	ND	94	92	2.2	102	102	0.0	70 - 130	30	
sec-Butylbenzene	ND	100	97	3.0	100	100	0.0	70 - 130	30	
Styrene	ND	98	95	3.1	101	100	1.0	70 - 130	30	
tert-Butylbenzene	ND	100	98	2.0	99	99	0.0	70 - 130	30	
Tetrachloroethene	ND	99	97	2.0	103	101	2.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	101	86	16.0	87	91	4.5	70 - 130	30	
Toluene	ND	103	98	5.0	101	100	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	99	4.0	95	96	1.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	104	99	4.9	98	98	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	93	85	9.0	92	96	4.3	70 - 130	30	
Trichloroethene	ND	109	105	3.7	100	99	1.0	70 - 130	30	
Trichlorofluoromethane	ND	105	101	3.9	37	36	2.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	105	102	2.9	95	94	1.1	70 - 130	30	
Vinyl chloride	ND	104	100	3.9	103	109	5.7	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% 1,2-dichlorobenzene-d4	101	101	99	2.0	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	97	100	100	0.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	98	99	95	4.1	95	95	0.0	70 - 130	30	
% Toluene-d8	95	101	100	1.0	99	99	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 292632, QC Sample No: BH41619 (BH41611, BH41612, BH41613, BH41614, BH41615, BH41616, BH41617, BH41618, BH41619)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	95	100	5.1	102	104	1.9	70 - 130	30	
1,1,1-Trichloroethane	ND	92	100	8.3	105	107	1.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	101	109	7.6	108	107	0.9	70 - 130	30	
1,1,2-Trichloroethane	ND	94	100	6.2	101	104	2.9	70 - 130	30	
1,1-Dichloroethane	ND	92	100	8.3	105	107	1.9	70 - 130	30	
1,1-Dichloroethene	ND	92	102	10.3	102	104	1.9	70 - 130	30	
1,1-Dichloropropene	ND	97	106	8.9	105	109	3.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	102	6.1	97	97	0.0	70 - 130	30	
1,2,3-Trichloropropane	ND	93	101	8.2	106	103	2.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	103	5.0	93	94	1.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	93	99	6.3	103	104	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	98	102	4.0	112	104	7.4	70 - 130	30	
1,2-Dibromoethane	ND	98	106	7.8	107	106	0.9	70 - 130	30	
1,2-Dichlorobenzene	ND	98	106	7.8	106	106	0.0	70 - 130	30	
1,2-Dichloroethane	ND	92	101	9.3	102	102	0.0	70 - 130	30	
1,2-Dichloropropane	ND	95	104	9.0	104	107	2.8	70 - 130	30	
1,3,5-Trimethylbenzene	ND	97	103	6.0	104	106	1.9	70 - 130	30	
1,3-Dichlorobenzene	ND	96	101	5.1	99	102	3.0	70 - 130	30	
1,3-Dichloropropane	ND	96	103	7.0	104	105	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	96	102	6.1	99	102	3.0	70 - 130	30	
2,2-Dichloropropane	ND	92	99	7.3	97	99	2.0	70 - 130	30	
2-Chlorotoluene	ND	98	105	6.9	105	108	2.8	70 - 130	30	
2-Hexanone	ND	77	82	6.3	88	86	2.3	70 - 130	30	
2-Isopropyltoluene	ND	102	111	8.5	112	114	1.8	70 - 130	30	
4-Chlorotoluene	ND	94	101	7.2	102	107	4.8	70 - 130	30	
4-Methyl-2-pentanone	ND	84	91	8.0	99	96	3.1	70 - 130	30	
Acetone	ND	65	70	7.4	63	60	4.9	70 - 130	30	l,m
Acrylonitrile	ND	92	99	7.3	105	99	5.9	70 - 130	30	
Benzene	ND	96	105	9.0	105	107	1.9	70 - 130	30	
Bromobenzene	ND	101	107	5.8	109	109	0.0	70 - 130	30	
Bromochloromethane	ND	95	102	7.1	103	106	2.9	70 - 130	30	
Bromodichloromethane	ND	98	105	6.9	106	107	0.9	70 - 130	30	
Bromoform	ND	92	102	10.3	104	104	0.0	70 - 130	30	
Bromomethane	ND	96	101	5.1	109	110	0.9	70 - 130	30	
Carbon Disulfide	ND	92	99	7.3	98	99	1.0	70 - 130	30	
Carbon tetrachloride	ND	94	101	7.2	104	108	3.8	70 - 130	30	
Chlorobenzene	ND	95	103	8.1	105	108	2.8	70 - 130	30	
Chloroethane	ND	86	92	6.7	96	99	3.1	70 - 130	30	
Chloroform	ND	88	95	7.7	100	100	0.0	70 - 130	30	
Chloromethane	ND	90	97	7.5	93	91	2.2	70 - 130	30	
cis-1,2-Dichloroethene	ND	95	102	7.1	106	110	3.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	101	110	8.5	105	105	0.0	70 - 130	30	
Dibromochloromethane	ND	98	106	7.8	108	108	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibromomethane	ND	97	105	7.9	107	107	0.0	70 - 130	30
Dichlorodifluoromethane	ND	80	92	14.0	88	89	1.1	70 - 130	30
Ethylbenzene	ND	99	105	5.9	106	108	1.9	70 - 130	30
Hexachlorobutadiene	ND	97	109	11.7	102	104	1.9	70 - 130	30
Isopropylbenzene	ND	97	105	7.9	109	111	1.8	70 - 130	30
m&p-Xylene	ND	94	101	7.2	101	104	2.9	70 - 130	30
Methyl ethyl ketone	ND	71	76	6.8	81	76	6.4	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	94	102	8.2	100	101	1.0	70 - 130	30
Methylene chloride	ND	82	88	7.1	87	89	2.3	70 - 130	30
Naphthalene	ND	98	105	6.9	105	102	2.9	70 - 130	30
n-Butylbenzene	ND	99	106	6.8	105	106	0.9	70 - 130	30
n-Propylbenzene	ND	91	100	9.4	107	107	0.0	70 - 130	30
o-Xylene	ND	97	104	7.0	104	108	3.8	70 - 130	30
p-Isopropyltoluene	ND	100	107	6.8	106	108	1.9	70 - 130	30
sec-Butylbenzene	ND	100	108	7.7	108	108	0.0	70 - 130	30
Styrene	ND	93	103	10.2	102	103	1.0	70 - 130	30
tert-Butylbenzene	ND	98	105	6.9	110	114	3.6	70 - 130	30
Tetrachloroethene	ND	97	104	7.0	105	109	3.7	70 - 130	30
Tetrahydrofuran (THF)	ND	83	90	8.1	99	96	3.1	70 - 130	30
Toluene	ND	96	105	9.0	105	109	3.7	70 - 130	30
trans-1,2-Dichloroethene	ND	89	98	9.6	97	101	4.0	70 - 130	30
trans-1,3-Dichloropropene	ND	100	108	7.7	103	104	1.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	94	99	5.2	104	100	3.9	70 - 130	30
Trichloroethene	ND	97	105	7.9	104	109	4.7	70 - 130	30
Trichlorofluoromethane	ND	87	96	9.8	101	105	3.9	70 - 130	30
Trichlorotrifluoroethane	ND	84	96	13.3	101	107	5.8	70 - 130	30
Vinyl chloride	ND	89	95	6.5	97	100	3.0	70 - 130	30
% 1,2-dichlorobenzene-d4	91	94	95	1.1	95	94	1.1	70 - 130	30
% Bromofluorobenzene	99	97	99	2.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	100	100	101	1.0	97	99	2.0	70 - 130	30
% Toluene-d8	92	100	102	2.0	99	101	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 292393, QC Sample No: BH41672 (BH41619)

Pesticides - Solid

4,4' -DDD	ND	78	78	0.0	76	79	3.9	40 - 140	30
4,4' -DDE	ND	82	82	0.0	82	84	2.4	40 - 140	30
4,4' -DDT	ND	83	83	0.0	82	86	4.8	40 - 140	30
a-BHC	ND	89	90	1.1	88	93	5.5	40 - 140	30
a-Chlordane	ND	86	87	1.2	86	88	2.3	40 - 140	30
Aldrin	ND	82	84	2.4	82	86	4.8	40 - 140	30
b-BHC	ND	86	86	0.0	85	89	4.6	40 - 140	30
Chlordane	ND	85	86	1.2	84	88	4.7	40 - 140	30
d-BHC	ND	81	81	0.0	83	87	4.7	40 - 140	30
Dieldrin	ND	86	88	2.3	86	89	3.4	40 - 140	30
Endosulfan I	ND	85	86	1.2	87	88	1.1	40 - 140	30
Endosulfan II	ND	76	78	2.6	80	83	3.7	40 - 140	30
Endosulfan sulfate	ND	69	65	6.0	68	75	9.8	40 - 140	30
Endrin	ND	85	86	1.2	84	89	5.8	40 - 140	30
Endrin aldehyde	ND	69	67	2.9	74	81	9.0	40 - 140	30
Endrin ketone	ND	83	82	1.2	81	88	8.3	40 - 140	30
g-BHC	ND	89	91	2.2	89	94	5.5	40 - 140	30

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
g-Chlordane	ND	85	86	1.2	84	88	4.7	40 - 140	30	
Heptachlor	ND	86	87	1.2	86	90	4.5	40 - 140	30	
Heptachlor epoxide	ND	85	87	2.3	85	87	2.3	40 - 140	30	
Methoxychlor	ND	85	87	2.3	86	92	6.7	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	93	97	93	4.2	96	98	2.1	30 - 150	30	
% TCMX	89	91	92	1.1	93	96	3.2	30 - 150	30	

QA/QC Batch 292421, QC Sample No: BH41679 (BH41621)

Pesticides - Ground Water

4,4' -DDD	ND	61	80	27.0				40 - 140	20	r
4,4' -DDE	ND	68	83	19.9				40 - 140	20	
4,4' -DDT	ND	69	84	19.6				40 - 140	20	
a-BHC	ND	68	85	22.2				40 - 140	20	r
a-Chlordane	ND	70	88	22.8				40 - 140	20	r
Alachlor	ND	NA	NA	NC				40 - 140	20	
Aldrin	ND	65	82	23.1				40 - 140	20	r
b-BHC	ND	70	86	20.5				40 - 140	20	
Chlordane	ND	70	86	20.5				40 - 140	20	
d-BHC	ND	54	69	24.4				40 - 140	20	r
Dieldrin	ND	74	93	22.8				40 - 140	20	r
Endosulfan I	ND	72	88	20.0				40 - 140	20	
Endosulfan II	ND	72	96	28.6				40 - 140	20	r
Endosulfan sulfate	ND	68	82	18.7				40 - 140	20	
Endrin	ND	71	89	22.5				40 - 140	20	r
Endrin aldehyde	ND	81	100	21.0				40 - 140	20	r
Endrin ketone	ND	72	93	25.5				40 - 140	20	r
g-BHC	ND	73	92	23.0				40 - 140	20	r
g-Chlordane	ND	70	86	20.5				40 - 140	20	
Heptachlor	ND	68	86	23.4				40 - 140	20	r
Heptachlor epoxide	ND	69	87	23.1				40 - 140	20	r
Methoxychlor	ND	70	83	17.0				40 - 140	20	
Toxaphene	ND	NA	NA	NC				40 - 140	20	
% DCBP	85	80	92	14.0				40 - 150	20	
% TCMX	74	75	90	18.2				40 - 150	20	

Comment:

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

QA/QC Batch 292422, QC Sample No: BH41679 (BH41621)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	85	85	0.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	99	101	2.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	74	91	85	6.8				30 - 150	20
% TCMX (Surrogate Rec)	86	81	84	3.6				30 - 150	20

Comment:

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

QA/QC Batch 292411, QC Sample No: BH41679 (BH41621)

Semivolatiles - Ground Water

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4,5-Tetrachlorobenzene	ND	80	79	1.3				30 - 130	20
1,2,4-Trichlorobenzene	ND	76	76	0.0				30 - 130	20
1,2-Dichlorobenzene	ND	62	62	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	91	91	0.0				30 - 130	20
1,3-Dichlorobenzene	ND	60	61	1.7				30 - 130	20
1,4-Dichlorobenzene	ND	62	61	1.6				30 - 130	20
2,4,5-Trichlorophenol	ND	96	97	1.0				30 - 130	20
2,4,6-Trichlorophenol	ND	94	93	1.1				30 - 130	20
2,4-Dichlorophenol	ND	81	81	0.0				30 - 130	20
2,4-Dimethylphenol	ND	63	62	1.6				30 - 130	20
2,4-Dinitrophenol	ND	97	96	1.0				30 - 130	20
2,4-Dinitrotoluene	ND	99	98	1.0				30 - 130	20
2,6-Dinitrotoluene	ND	96	96	0.0				30 - 130	20
2-Chloronaphthalene	ND	86	85	1.2				30 - 130	20
2-Chlorophenol	ND	66	66	0.0				30 - 130	20
2-Methylnaphthalene	ND	81	81	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	69	72	4.3				30 - 130	20
2-Nitroaniline	ND	102	102	0.0				30 - 130	20
2-Nitrophenol	ND	80	79	1.3				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	75	77	2.6				30 - 130	20
3,3'-Dichlorobenzidine	ND	60	61	1.7				30 - 130	20
3-Nitroaniline	ND	94	94	0.0				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	126	129	2.4				30 - 130	20
4-Bromophenyl phenyl ether	ND	91	91	0.0				30 - 130	20
4-Chloro-3-methylphenol	ND	92	91	1.1				30 - 130	20
4-Chloroaniline	ND	78	76	2.6				30 - 130	20
4-Chlorophenyl phenyl ether	ND	94	93	1.1				30 - 130	20
4-Nitroaniline	ND	96	94	2.1				30 - 130	20
4-Nitrophenol	ND	114	116	1.7				30 - 130	20
Acenaphthene	ND	89	88	1.1				30 - 130	20
Acenaphthylene	ND	84	83	1.2				30 - 130	20
Acetophenone	ND	73	74	1.4				30 - 130	20
Aniline	ND	63	63	0.0				30 - 130	20
Anthracene	ND	89	91	2.2				30 - 130	20
Benz(a)anthracene	ND	93	94	1.1				30 - 130	20
Benzidine	ND	45	41	9.3				30 - 130	20
Benzo(a)pyrene	ND	84	83	1.2				30 - 130	20
Benzo(b)fluoranthene	ND	95	91	4.3				30 - 130	20
Benzo(ghi)perylene	ND	96	99	3.1				30 - 130	20
Benzo(k)fluoranthene	ND	91	90	1.1				30 - 130	20
Benzoic acid	ND	93	93	0.0				30 - 130	20
Benzyl butyl phthalate	ND	99	102	3.0				30 - 130	20
Bis(2-chloroethoxy)methane	ND	83	82	1.2				30 - 130	20
Bis(2-chloroethyl)ether	ND	62	62	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	69	70	1.4				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	107	109	1.9				30 - 130	20
Carbazole	ND	115	120	4.3				30 - 130	20
Chrysene	ND	99	99	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	96	98	2.1				30 - 130	20
Dibenzofuran	ND	92	92	0.0				30 - 130	20

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	95	94	1.1				30 - 130	20
Dimethylphthalate	ND	95	94	1.1				30 - 130	20
Di-n-butylphthalate	ND	120	124	3.3				30 - 130	20
Di-n-octylphthalate	ND	88	90	2.2				30 - 130	20
Fluoranthene	ND	129	128	0.8				30 - 130	20
Fluorene	ND	94	94	0.0				30 - 130	20
Hexachlorobenzene	ND	89	90	1.1				30 - 130	20
Hexachlorobutadiene	ND	70	69	1.4				30 - 130	20
Hexachlorocyclopentadiene	ND	33	32	3.1				30 - 130	20
Hexachloroethane	ND	60	61	1.7				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	95	97	2.1				30 - 130	20
Isophorone	ND	81	82	1.2				30 - 130	20
Naphthalene	ND	75	75	0.0				30 - 130	20
Nitrobenzene	ND	73	73	0.0				30 - 130	20
N-Nitrosodimethylamine	ND	55	55	0.0				30 - 130	20
N-Nitrosodi-n-propylamine	ND	79	79	0.0				30 - 130	20
N-Nitrosodiphenylamine	ND	91	90	1.1				30 - 130	20
Pentachloronitrobenzene	ND	90	93	3.3				30 - 130	20
Pentachlorophenol	ND	114	117	2.6				30 - 130	20
Phenanthrene	ND	93	94	1.1				30 - 130	20
Phenol	ND	66	66	0.0				30 - 130	20
Pyrene	ND	134	132	1.5				30 - 130	20
Pyridine	ND	42	41	2.4				30 - 130	20
% 2,4,6-Tribromophenol	69	90	90	0.0				15 - 110	20
% 2-Fluorobiphenyl	49	79	79	0.0				30 - 130	20
% 2-Fluorophenol	40	53	53	0.0				15 - 110	20
% Nitrobenzene-d5	49	68	68	0.0				30 - 130	20
% Phenol-d5	45	60	61	1.7				15 - 110	20
% Terphenyl-d14	63	131	128	2.3				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 292548, QC Sample No: BH41680 (BH41621)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	107	103	3.8	100	98	2.0	70 - 130	30
1,1,1-Trichloroethane	ND	103	96	7.0	100	96	4.1	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	109	107	1.9	100	99	1.0	70 - 130	30
1,1,2-Trichloroethane	ND	105	101	3.9	103	101	2.0	70 - 130	30
1,1-Dichloroethane	ND	106	96	9.9	101	97	4.0	70 - 130	30
1,1-Dichloroethene	ND	103	97	6.0	98	93	5.2	70 - 130	30
1,1-Dichloropropene	ND	102	96	6.1	101	97	4.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	100	99	1.0	96	96	0.0	70 - 130	30
1,2,3-Trichloropropane	ND	103	100	3.0	99	99	0.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	100	99	1.0	97	96	1.0	70 - 130	30
1,2,4-Trimethylbenzene	ND	99	95	4.1	99	96	3.1	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	107	103	3.8	100	98	2.0	70 - 130	30
1,2-Dibromoethane	ND	104	102	1.9	105	100	4.9	70 - 130	30
1,2-Dichlorobenzene	ND	102	98	4.0	98	96	2.1	70 - 130	30
1,2-Dichloroethane	ND	104	100	3.9	104	101	2.9	70 - 130	30
1,2-Dichloropropane	ND	107	102	4.8	104	101	2.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	103	99	4.0	99	96	3.1	70 - 130	30
1,3-Dichlorobenzene	ND	102	98	4.0	97	97	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichloropropane	ND	106	102	3.8	102	101	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	99	96	3.1	97	95	2.1	70 - 130	30
2,2-Dichloropropane	ND	93	86	7.8	76	73	4.0	70 - 130	30
2-Chlorotoluene	ND	102	99	3.0	99	98	1.0	70 - 130	30
2-Hexanone	ND	97	97	0.0	104	103	1.0	70 - 130	30
2-Isopropyltoluene	ND	104	100	3.9	99	96	3.1	70 - 130	30
4-Chlorotoluene	ND	101	98	3.0	98	96	2.1	70 - 130	30
4-Methyl-2-pentanone	ND	101	98	3.0	104	102	1.9	70 - 130	30
Acetone	ND	98	92	6.3	96	105	9.0	70 - 130	30
Acrylonitrile	ND	110	105	4.7	105	107	1.9	70 - 130	30
Benzene	ND	105	99	5.9	102	98	4.0	70 - 130	30
Bromobenzene	ND	102	99	3.0	98	96	2.1	70 - 130	30
Bromochloromethane	ND	107	104	2.8	102	96	6.1	70 - 130	30
Bromodichloromethane	ND	107	101	5.8	102	100	2.0	70 - 130	30
Bromoform	ND	110	104	5.6	102	98	4.0	70 - 130	30
Bromomethane	ND	99	91	8.4	71	82	14.4	70 - 130	30
Carbon Disulfide	ND	104	98	5.9	101	97	4.0	70 - 130	30
Carbon tetrachloride	ND	102	96	6.1	101	96	5.1	70 - 130	30
Chlorobenzene	ND	103	98	5.0	99	96	3.1	70 - 130	30
Chloroethane	ND	93	86	7.8	94	89	5.5	70 - 130	30
Chloroform	ND	103	95	8.1	99	98	1.0	70 - 130	30
Chloromethane	ND	85	79	7.3	94	91	3.2	70 - 130	30
cis-1,2-Dichloroethene	ND	106	98	7.8	101	97	4.0	70 - 130	30
cis-1,3-Dichloropropene	ND	109	103	5.7	99	96	3.1	70 - 130	30
Dibromochloromethane	ND	108	105	2.8	102	102	0.0	70 - 130	30
Dibromomethane	ND	104	101	2.9	101	101	0.0	70 - 130	30
Dichlorodifluoromethane	ND	74	70	5.6	93	93	0.0	70 - 130	30
Ethylbenzene	ND	104	99	4.9	100	96	4.1	70 - 130	30
Hexachlorobutadiene	ND	101	97	4.0	92	90	2.2	70 - 130	30
Isopropylbenzene	ND	101	96	5.1	99	96	3.1	70 - 130	30
m&p-Xylene	ND	103	98	5.0	99	97	2.0	70 - 130	30
Methyl ethyl ketone	ND	102	89	13.6	100	100	0.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	107	99	7.8	98	95	3.1	70 - 130	30
Methylene chloride	ND	96	88	8.7	87	87	0.0	70 - 130	30
Naphthalene	ND	104	102	1.9	98	98	0.0	70 - 130	30
n-Butylbenzene	ND	98	96	2.1	97	94	3.1	70 - 130	30
n-Propylbenzene	ND	95	92	3.2	98	95	3.1	70 - 130	30
o-Xylene	ND	105	100	4.9	101	99	2.0	70 - 130	30
p-Isopropyltoluene	ND	103	98	5.0	98	96	2.1	70 - 130	30
sec-Butylbenzene	ND	103	99	4.0	99	95	4.1	70 - 130	30
Styrene	ND	106	102	3.8	102	99	3.0	70 - 130	30
tert-Butylbenzene	ND	101	96	5.1	99	97	2.0	70 - 130	30
Tetrachloroethene	ND	101	96	5.1	97	95	2.1	70 - 130	30
Tetrahydrofuran (THF)	ND	109	98	10.6	100	104	3.9	70 - 130	30
Toluene	ND	104	99	4.9	101	97	4.0	70 - 130	30
trans-1,2-Dichloroethene	ND	107	98	8.8	101	95	6.1	70 - 130	30
trans-1,3-Dichloropropene	ND	109	105	3.7	100	97	3.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	101	95	6.1	88	87	1.1	70 - 130	30
Trichloroethene	ND	104	99	4.9	100	97	3.0	70 - 130	30
Trichlorofluoromethane	ND	91	88	3.4	96	95	1.0	70 - 130	30
Trichlorotrifluoroethane	ND	94	90	4.3	92	90	2.2	70 - 130	30
Vinyl chloride	ND	90	84	6.9	97	93	4.2	70 - 130	30
% 1,2-dichlorobenzene-d4	101	99	101	2.0	100	99	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH41609

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	95	101	101	0.0	103	102	1.0	70 - 130	30
% Dibromofluoromethane	97	100	101	1.0	98	95	3.1	70 - 130	30
% Toluene-d8	101	100	99	1.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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
November 24, 2014

Sample Criteria Exceedences Report

GBH41609 - GEICONS

Criteria: NY: 375, 375RRS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH41610	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	460	260	330	330	ug/Kg
BH41610	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	3800	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	3500	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4700	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	260	500	500	ug/Kg
BH41610	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	500	500	ug/Kg
BH41610	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3600	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	800	800	ug/Kg
BH41610	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4700	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3500	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3800	260	1000	1000	ug/Kg
BH41610	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	460	260	330	330	ug/Kg
BH41610	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.0	3.3	3.3	ug/Kg
BH41610	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	126	0.34	63	63	mg/Kg
BH41611	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2800	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	740	260	500	500	ug/Kg
BH41611	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1900	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	860	260	800	800	ug/Kg
BH41611	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
BH41611	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	740	260	500	500	ug/Kg
BH41611	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1900	260	1000	1000	ug/Kg
BH41611	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.0	3.3	3.3	ug/Kg
BH41611	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.5	3.3	3.3	ug/Kg
BH41611	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	113	0.38	63	63	mg/Kg
BH41611	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	150	0.38	109	109	mg/Kg
BH41618	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	9100	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9100	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	9500	1300	3900	3900	ug/Kg
BH41618	$8270-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9500	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	8900	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	8900	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2400	260	800	800	ug/Kg
BH41618	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	7500	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	7500	1300	1000	1000	ug/Kg
BH41618	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	2200	260	500	500	ug/Kg
BH41618	$8270-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	260	500	500	ug/Kg
BH41618	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	700	260	330	330	ug/Kg

Sample Criteria Exceedences Report

GBH41609 - GEICONS

Criteria: NY: 375, 375RRS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH41618	$8270-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	700	260	330	330	ug/Kg
BH41618	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.72	0.07	0.18	0.18	mg/Kg
BH41618	PB-SM	Lead	NY / 375-6.8 Metals / Residential Restricted	640	3.7	400	400	mg/Kg
BH41618	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	640	3.7	63	63	mg/Kg
BH41618	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	308	3.7	109	109	mg/Kg
BH41621	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH41621	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH41621	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH41621	$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BH41621	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH41621	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH41621	$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

NY Temperature Narration

November 24, 2014

SDG I.D.: GBH41609

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 of

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:
[X] Phone: 631-708-8063
[X] Email: MQUINLAN@GEICONSULTANTS.COM

Customer: GEI CONSULTANTS INC. P.C
Address: 110 WALT WHITMAN ROAD
HUNTINGTON STATION, NY

Project: 141228-0/34-22 35th ST. ASTORIA, NY
Report to: MQUINLAN@GEICONSULTANTS.COM
Invoice to: AJAROSZEWSKI@GEICONSULTANTS.COM
Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
Sampler's Signature _____ Date: _____

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/PCBs 8081/8082	TAL METALS	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	TOTAL
41609	GP1 (1-3')	S	11/12/14	0930	X	X	X	X		1									1
41610	GP1 (16-18')	S	↓	0955	X	X	X	X		1									1
41611	GP9 (0-2')	S	↓	1350	X	X	X	X		1									1
41612	GP9 (20-22')	S	↓	1415	X	X	X	X		1									1
41613	GP8 (0-2')	S	↓	1440	X	X	X	X		1									1
41614	GP8 (16-18')	S	↓	1450	X	X	X	X		1									1
41615	GP5 (16-18')	S	11/13/14	0925	X	X	X	X		1									1
41616	GP5A (1-3')	S	↓	0935	X	X	X	X		1									1
41617	B106 (2-4')	S	↓	0945	X	X	X	X		1									1
41618	B107 (1-3')	S	↓	1030	X	X	X	X		1									1
41619	GP DUP	S	↓	—	X	X	X	X		1									1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/14/14	1200
[signature]	[signature]	11/14/14	15:08

Comments, Special Requirements or Regulations:
* ALSO REPORT TO AJAROSZEWSKI@GEICONSULTANTS.COM
** ALL GW SAMPLES PLEASE ANALYZE FOR BOTH FILTERED (DISSOLVED) + UNFILTERED (TOTALS) METALS

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

GW - TOGS 1.1.1 AWQS

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[X] Excel
[X] 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
Coolant: IPK [ ] ICE [X]
Temp [ ] °C Pg of

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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Contact Options:
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[X] Phone: 631-708-8063
[X] Email: MQUINLAN@GEICONSULTANTS.COM

Customer: GEI CONSULTANTS INC. P.C.
Address: 110 WALT WHITMAN ROAD
HUNTINGTON STATION, NY

Project: 141228-0 / 34-22 35th St ASTORIA, NY
Report to: MQUINLAN@GEICONSULTANTS.COM
Invoice to: AJAROSZEWSKI@GEICONSULTANTS.COM
Project P.O: 141228-0

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11/14/14

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	PESTICIDES/PCBS 8081/8082	TAL METALS	H2O VOA vials w/ HCl	Soil VOA Vials [✓] methanol [ ] H2O	GL Soil container (4) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	TOTAL
* 41620	GP-FIELD BLANK	S	11/14/14	1020	X	X	X	X		3	1	1		3						5
41621	GW-FIELD BLANK	GW		1100	X	X	X	X	3	3				3			1			7

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/14/14	1220
[signature]	[signature]	11/14/14	15:08

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
GW - TOGS 1.1.1 AWQS

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
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[ ] EQuIS
[ ] NJ Hazsite EDD
[ ] NY EZ EDD (ASP)
[ ] Other

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

Comments, Special Requirements or Regulations:
* ALSO REPORT TO AJAROSZEWSKI@GEICONSULTANTS.COM
** ALL GW SAMPLES PLEASE ANALYZE FOR BOTH FILTERED (DISSOLVED) + UNFILTERED (TOTALS) METALS
Rcvd 8oz + 4oz jar as well as Voas filled with water
Sent Email (JB)

State where samples were collected: NY

Lori - Phoenixlabs

From: Lori - Phoenixlabs [lori@phoenixlabs.com]
Sent: Friday, November 14, 2014 04:55 PM
To: 'MQUINLAN@GEICONSULTANTS.COM'
Subject: Samples received today for 141228-0 34-22 35th St., Astoria

Hello,

Today we received samples for the above mentioned project. For the sample that is marked as a soil, we received a 4 oz & 8 oz jar of water, as well as high & low voas that were incorrectly filled with water. Unfortunately, the only thing that we will be able to analyze for this sample is the metals, as we did not receive enough sample volume for all other analysis.

Please let me know how you would like for us to proceed.

Thank you,

Lori Bailey
Phoenix Environmental Labs

GBH 41609

Cooler: Yes
Coolant: IPK [ ] ICE [X]
Temp [ ] °C Pg of

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

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Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[X] Phone: 631-708-8063
[X] Email: MQUINLAN@GEICONSULTANTS.COM

Customer: GEI CONSULTANTS INC. P.C.
Address: 110 WALT WHITMAN ROAD
HUNTINGTON STATION, NY

Project: 141228-0 / 34-22 35th St ASTORIA, NY
Report to: MQUINLAN@GEICONSULTANTS.COM
Invoice to: AJAROSZEWSKI@GEICONSULTANTS.COM

Project P.O: 141228-0

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 11/14/14

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/PCBs 8081/8082	TAL METALS							H2O VOA vials w/ HCl	Soil VOA Vials w/ methanol [2] H2O	GL Soil container (4) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle	Total
*	41620	GP-FIELD BLANK	S	11/14/14	1020	X	X	X	X								3	1	1		3						5
	41621	GW-FIELD BLANK	GW		1100	X	X	X	X							3	3				3			1			7

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/14/14	1020
[signature]	[signature]	11/14/14	15:08

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
GW - TOGS 1.1.1 AWQS

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[X] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[X] Excel
[X] 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:
* ALSO REPORT TO AJAROSZEWSKI@GEICONSULTANTS.COM
** ALL GW SAMPLES PLEASE ANALYZE FOR BOTH FILTERED (DISSOLVED) + UNFILTERED (TOTALS) METALS
* Rcvd 802 + 402 jar as well as Voas filled with water
Sent Email (LB) ~~Pre~~ Per phone conversation 11-17-14 with Mike Quinlan, He will resubmit a new sample (LB)

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	12:30
Location Code:	GEICONS	Received by:	SW	11/20/14	9:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43701
Phoenix ID: BH43701

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-2 (MW-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum	11.3	0.010		mg/L	11/21/14	LK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium	0.147	0.002		mg/L	11/21/14	LK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium	133	0.010		mg/L	11/21/14	LK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt	0.010	0.002		mg/L	11/21/14	LK	SW6010
Chromium	0.021	0.001		mg/L	11/21/14	LK	SW6010
Copper	0.022	0.005		mg/L	11/21/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum (Dissolved)	0.22	0.01		mg/L	11/21/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium (Dissolved)	0.056	0.002		mg/L	11/21/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium (Dissolved)	53.1	0.01		mg/L	11/21/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Chromium (Dissolved)	0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Iron (Dissolved)	0.345	0.011		mg/L	11/21/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/24/14	RS	SW7470
Potassium (Dissolved)	4.9	0.1		mg/L	11/21/14	LK	SW6010
Magnesium (Dissolved)	17.0	0.01		mg/L	11/21/14	LK	SW6010
Manganese (Dissolved)	0.045	0.001		mg/L	11/21/14	LK	SW6010
Sodium (Dissolved)	12.8	0.11		mg/L	11/21/14	LK	SW6010
Nickel (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-2 (MW-2)

Phoenix I.D.: BH43701

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium (Dissolved)	< 0.01	0.01		mg/L	11/21/14	RS	E200.9/SM3113B	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	11/21/14	RS	SW7010	
Vanadium (Dissolved)	0.003	0.002		mg/L	11/21/14	LK	SW6010	
Zinc (Dissolved)	0.005	0.002		mg/L	11/21/14	LK	SW6010	
Iron	15.2	0.010		mg/L	11/21/14	LK	SW6010	
Mercury	< 0.0002	0.0002		mg/L	11/21/14	RS	SW7470	
Potassium	7.4	0.1		mg/L	11/21/14	LK	SW6010	
Magnesium	52.9	0.01		mg/L	11/21/14	LK	SW6010	
Manganese	0.460	0.001		mg/L	11/21/14	LK	SW6010	
Sodium	14.9	0.1		mg/L	11/21/14	LK	SW6010	
Nickel	0.017	0.001		mg/L	11/21/14	LK	SW6010	
Lead	0.003	0.002		mg/L	11/21/14	LK	SW6010	
Antimony	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Thallium	< 0.0005	0.0005		mg/L	11/21/14	RS	SM3113B/SW70	
Vanadium	0.030	0.002		mg/L	11/21/14	LK	SW6010	
Zinc	0.052	0.002		mg/L	11/21/14	LK	SW6010	B
Filtration	Completed				11/20/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/24/14	I/I	SW7470	
Mercury Digestion	Completed				11/21/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/20/14	L/T	SW3510	
Extraction for Pest (2 Liter)	Completed				11/20/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/20/14	E/D	SW3520	
Dissolved Metals Preparation	Completed				11/20/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/20/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	89			%	11/21/14	AW	30 - 150 %	
% TCMX	69			%	11/21/14	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.050		ug/L	11/21/14	CE	SW8081	
4,4' -DDE	ND	0.050		ug/L	11/21/14	CE	SW8081	
4,4' -DDT	ND	0.050		ug/L	11/21/14	CE	SW8081	
a-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/21/14	CE	SW8081	1
Aldrin	0.003	0.002		ug/L	11/21/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Chlordane	ND	0.30		ug/L	11/21/14	CE	SW8081	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-2 (MW-2)

Phoenix I.D.: BH43701

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
d-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081	
Dieldrin	0.007	0.002		ug/L	11/21/14	CE	SW8081	
Endosulfan I	ND	0.050		ug/L	11/21/14	CE	SW8081	
Endosulfan II	ND	0.050		ug/L	11/21/14	CE	SW8081	
Endosulfan Sulfate	ND	0.050		ug/L	11/21/14	CE	SW8081	
Endrin	ND	0.050		ug/L	11/21/14	CE	SW8081	
Endrin Aldehyde	ND	0.050		ug/L	11/21/14	CE	SW8081	
Endrin ketone	ND	0.050		ug/L	11/21/14	CE	SW8081	
g-BHC (Lindane)	ND	0.025		ug/L	11/21/14	CE	SW8081	
Heptachlor	ND	0.025		ug/L	11/21/14	CE	SW8081	
Heptachlor epoxide	ND	0.025		ug/L	11/21/14	CE	SW8081	
Methoxychlor	ND	0.10		ug/L	11/21/14	CE	SW8081	
Toxaphene	ND	1.0		ug/L	11/21/14	CE	SW8081	
QA/QC Surrogates								
%DCBP (Surrogate Rec)	92			%	11/21/14	CE	30 - 150 %	
%TCMX (Surrogate Rec)	77			%	11/21/14	CE	30 - 150 %	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1,1-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloropropene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,3-Trichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dibromoethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dichloroethane	ND	0.60		ug/L	11/21/14	MH	SW8260	
1,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,4-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
2,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
2-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
2-Hexanone	ND	5.0		ug/L	11/21/14	MH	SW8260	
2-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	1
4-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
4-Methyl-2-pentanone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Acetone	ND	25		ug/L	11/21/14	MH	SW8260	
Acrylonitrile	ND	5.0		ug/L	11/21/14	MH	SW8260	
Benzene	ND	0.70		ug/L	11/21/14	MH	SW8260	
Bromobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromochloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromodichloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-2 (MW-2)

Phoenix I.D.: BH43701

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/21/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/21/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/21/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/21/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	11/21/14	MH	70 - 130 %	
% Bromofluorobenzene	91			%	11/21/14	MH	70 - 130 %	
% Dibromofluoromethane	101			%	11/21/14	MH	70 - 130 %	
% Toluene-d8	100			%	11/21/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/24/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/24/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-2 (MW-2)

Phoenix I.D.: BH43701

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/24/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/24/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/24/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/24/14	DD	SW8270
Benzidine	ND	5		ug/L	11/24/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/24/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/24/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/24/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/24/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/24/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/24/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81			%	11/24/14	DD	15 - 110 %
% 2-Fluorobiphenyl	80			%	11/24/14	DD	30 - 130 %
% 2-Fluorophenol	58			%	11/24/14	DD	15 - 110 %
% Nitrobenzene-d5	69			%	11/24/14	DD	30 - 130 %
% Phenol-d5	57			%	11/24/14	DD	15 - 110 %

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Client ID: GP-2 (MW-2)

Phoenix I.D.: BH43701

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	105			%	11/24/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.0		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/23/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Fluorene	ND	0.10		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Naphthalene	0.16	0.10		ug/L	11/23/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80		ug/L	11/23/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Pyrene	0.03	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Pyridine	ND	0.50		ug/L	11/23/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	81			%	11/23/14	DD	15 - 110 %
% 2-Fluorobiphenyl	80			%	11/23/14	DD	30 - 130 %
% 2-Fluorophenol	58			%	11/23/14	DD	15 - 110 %
% Nitrobenzene-d5	69			%	11/23/14	DD	30 - 130 %
% Phenol-d5	57			%	11/23/14	DD	15 - 110 %
% Terphenyl-d14	105			%	11/23/14	DD	30 - 130 %

Project ID: 141228-2/34-22 35TH ST ASTORIA NY

Phoenix I.D.: BH43701

Client ID: GP-2 (MW-2)

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

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

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

Comments:

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

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	11:20
Location Code:	GEICONS	Received by:	SW	11/20/14	9:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43701
Phoenix ID: BH43702

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-3 (MW-3)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum	0.665	0.010		mg/L	11/21/14	LK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium	0.054	0.002		mg/L	11/21/14	LK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium	78.9	0.010		mg/L	11/21/14	LK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt	0.002	0.002		mg/L	11/21/14	LK	SW6010
Chromium	0.003	0.001		mg/L	11/21/14	LK	SW6010
Copper	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum (Dissolved)	0.06	0.01		mg/L	11/21/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium (Dissolved)	0.048	0.002		mg/L	11/21/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium (Dissolved)	74.6	0.01		mg/L	11/21/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt (Dissolved)	0.001	0.001		mg/L	11/21/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Iron (Dissolved)	0.120	0.011		mg/L	11/21/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/24/14	RS	SW7470
Potassium (Dissolved)	5.4	0.1		mg/L	11/21/14	LK	SW6010
Magnesium (Dissolved)	25.3	0.01		mg/L	11/21/14	LK	SW6010
Manganese (Dissolved)	0.075	0.001		mg/L	11/21/14	LK	SW6010
Sodium (Dissolved)	21.4	0.11		mg/L	11/21/14	LK	SW6010
Nickel (Dissolved)	0.003	0.001		mg/L	11/21/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-3 (MW-3)

Phoenix I.D.: BH43702

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium (Dissolved)	< 0.01	0.01		mg/L	11/21/14	RS	E200.9/SM3113B	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	11/21/14	RS	SW7010	
Vanadium (Dissolved)	0.002	0.002		mg/L	11/21/14	LK	SW6010	
Zinc (Dissolved)	0.006	0.002		mg/L	11/21/14	LK	SW6010	
Iron	1.21	0.010		mg/L	11/21/14	LK	SW6010	
Mercury	< 0.0002	0.0002		mg/L	11/21/14	RS	SW7470	
Potassium	5.2	0.1		mg/L	11/21/14	LK	SW6010	
Magnesium	27.6	0.01		mg/L	11/21/14	LK	SW6010	
Manganese	0.095	0.001		mg/L	11/21/14	LK	SW6010	
Sodium	21.7	0.1		mg/L	11/21/14	LK	SW6010	
Nickel	0.003	0.001		mg/L	11/21/14	LK	SW6010	
Lead	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Antimony	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Thallium	< 0.0005	0.0005		mg/L	11/21/14	RS	SM3113B/SW70	
Vanadium	0.004	0.002		mg/L	11/21/14	LK	SW6010	
Zinc	0.009	0.002		mg/L	11/21/14	LK	SW6010	B*
Filtration	Completed				11/20/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/24/14	I/I	SW7470	
Mercury Digestion	Completed				11/21/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/20/14	L/T	SW3510	
Extraction for Pest (2 Liter)	Completed				11/20/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/20/14	E/D	SW3520	
Dissolved Metals Preparation	Completed				11/20/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/20/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	110			%	11/21/14	AW	30 - 150 %	
% TCMX	93			%	11/21/14	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	11/21/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/21/14	CE	SW8081	1
Aldrin	ND	0.002		ug/L	11/21/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Chlordane	ND	0.050		ug/L	11/21/14	CE	SW8081	

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Client ID: GP-3 (MW-3)

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081
Dieldrin	ND	0.005		ug/L	11/21/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin	ND	0.010		ug/L	11/21/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	11/21/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	11/21/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	11/21/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	11/21/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	11/21/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	11/21/14	CE	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	11/21/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	84			%	11/21/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/21/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	11/21/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
2,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	11/21/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260 1
4-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	11/21/14	MH	SW8260
Acetone	ND	25		ug/L	11/21/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	11/21/14	MH	SW8260
Benzene	ND	0.70		ug/L	11/21/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260

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Phoenix I.D.: BH43702

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/21/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/21/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/21/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/21/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	11/21/14	MH	70 - 130 %	
% Bromofluorobenzene	97			%	11/21/14	MH	70 - 130 %	
% Dibromofluoromethane	101			%	11/21/14	MH	70 - 130 %	
% Toluene-d8	100			%	11/21/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/24/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/24/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/24/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/24/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/24/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/24/14	DD	SW8270
Benzidine	ND	5		ug/L	11/24/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/24/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/24/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/24/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/24/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/24/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/24/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82			%	11/24/14	DD	15 - 110 %
% 2-Fluorobiphenyl	71			%	11/24/14	DD	30 - 130 %
% 2-Fluorophenol	49			%	11/24/14	DD	15 - 110 %
% Nitrobenzene-d5	54			%	11/24/14	DD	30 - 130 %
% Phenol-d5	56			%	11/24/14	DD	15 - 110 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	92			%	11/24/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.1		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/23/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Fluorene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Naphthalene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84		ug/L	11/23/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Pyridine	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	82			%	11/23/14	DD	15 - 110 %
% 2-Fluorobiphenyl	71			%	11/23/14	DD	30 - 130 %
% 2-Fluorophenol	49			%	11/23/14	DD	15 - 110 %
% Nitrobenzene-d5	54			%	11/23/14	DD	30 - 130 %
% Phenol-d5	56			%	11/23/14	DD	15 - 110 %
% Terphenyl-d14	92			%	11/23/14	DD	30 - 130 %

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Client ID: GP-3 (MW-3)

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	13:00
Location Code:	GEICONS	Received by:	SW	11/20/14	9:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43701
Phoenix ID: BH43703

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: GP-FIELD BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum	< 0.010	0.010		mg/L	11/21/14	LK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium	< 0.002	0.002		mg/L	11/21/14	LK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium	9.48	0.010		mg/L	11/21/14	LK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt	< 0.002	0.002		mg/L	11/21/14	LK	SW6010
Chromium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum (Dissolved)	< 0.01	0.01		mg/L	11/21/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium (Dissolved)	9.35	0.01		mg/L	11/21/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Iron (Dissolved)	< 0.011	0.011		mg/L	11/21/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/24/14	RS	SW7470
Potassium (Dissolved)	2.5	0.1		mg/L	11/21/14	LK	SW6010
Magnesium (Dissolved)	1.50	0.01		mg/L	11/21/14	LK	SW6010
Manganese (Dissolved)	0.001	0.001		mg/L	11/21/14	LK	SW6010
Sodium (Dissolved)	12.0	0.11		mg/L	11/21/14	LK	SW6010
Nickel (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium (Dissolved)	< 0.01	0.01		mg/L	11/21/14	RS	E200.9/SM3113B	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	11/21/14	RS	SW7010	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Zinc (Dissolved)	0.007	0.002		mg/L	11/21/14	LK	SW6010	
Iron	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Mercury	< 0.0002	0.0002		mg/L	11/21/14	RS	SW7470	
Potassium	1.0	0.1		mg/L	11/21/14	LK	SW6010	
Magnesium	1.52	0.01		mg/L	11/21/14	LK	SW6010	
Manganese	< 0.001	0.001		mg/L	11/21/14	LK	SW6010	
Sodium	11.7	0.1		mg/L	11/21/14	LK	SW6010	
Nickel	< 0.001	0.001		mg/L	11/21/14	LK	SW6010	
Lead	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Antimony	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Thallium	< 0.0005	0.0005		mg/L	11/21/14	RS	SM3113B/SW70	
Vanadium	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Zinc	0.006	0.002		mg/L	11/21/14	LK	SW6010	B*
Filtration	Completed				11/20/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/24/14	I/I	SW7470	
Mercury Digestion	Completed				11/21/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/20/14	L/T	SW3510	
Extraction for Pest (2 Liter)	Completed				11/20/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/20/14	E/D	SW3520	
Dissolved Metals Preparation	Completed				11/20/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/20/14	AG	SW846 - 3050	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	113			%	11/21/14	AW	30 - 150 %	
% TCMX	90			%	11/21/14	AW	30 - 150 %	

Pesticides

4,4' -DDD	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	11/21/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/21/14	CE	SW8081	1
Aldrin	ND	0.003		ug/L	11/21/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Chlordane	ND	0.050		ug/L	11/21/14	CE	SW8081	

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d-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081
Dieldrin	ND	0.005		ug/L	11/21/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin	ND	0.010		ug/L	11/21/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	11/21/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	11/21/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	11/21/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	11/21/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	11/21/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	11/21/14	CE	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99			%	11/21/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	83			%	11/21/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/21/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	11/21/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
2,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	11/21/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260 1
4-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	11/21/14	MH	SW8260
Acetone	ND	25		ug/L	11/21/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	11/21/14	MH	SW8260
Benzene	ND	0.70		ug/L	11/21/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/21/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/21/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/21/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/21/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	11/21/14	MH	70 - 130 %	
% Bromofluorobenzene	101			%	11/21/14	MH	70 - 130 %	
% Dibromofluoromethane	101			%	11/21/14	MH	70 - 130 %	
% Toluene-d8	101			%	11/21/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/24/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/24/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/24/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/24/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/24/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/24/14	DD	SW8270
Benzidine	ND	5		ug/L	11/24/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/24/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/24/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/24/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/24/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/24/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/24/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77			%	11/24/14	DD	15 - 110 %
% 2-Fluorobiphenyl	62			%	11/24/14	DD	30 - 130 %
% 2-Fluorophenol	47			%	11/24/14	DD	15 - 110 %
% Nitrobenzene-d5	50			%	11/24/14	DD	30 - 130 %
% Phenol-d5	51			%	11/24/14	DD	15 - 110 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	89			%	11/24/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.1		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/23/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Fluorene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Naphthalene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.85		ug/L	11/23/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Pyridine	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	77			%	11/23/14	DD	15 - 110 %
% 2-Fluorobiphenyl	62			%	11/23/14	DD	30 - 130 %
% 2-Fluorophenol	47			%	11/23/14	DD	15 - 110 %
% Nitrobenzene-d5	50			%	11/23/14	DD	30 - 130 %
% Phenol-d5	51			%	11/23/14	DD	15 - 110 %
% Terphenyl-d14	89			%	11/23/14	DD	30 - 130 %

Project ID: 141228-2/34-22 35TH ST ASTORIA NY

Phoenix I.D.: BH43703

Client ID: GP-FIELD BLANK

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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

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

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.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	0:00
Location Code:	GEICONS	Received by:	SW	11/20/14	9:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43701
Phoenix ID: BH43704

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,1,1-Trichloroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	11/20/14	M/P	SW8260	
1,1,2-Trichloroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,1-Dichloroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,1-Dichloroethene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,1-Dichloropropene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2,3-Trichloropropane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2-Dibromoethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2-Dichlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,2-Dichloroethane	ND	0.60	ug/L	11/20/14	M/P	SW8260	
1,2-Dichloropropane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,3-Dichlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,3-Dichloropropane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
1,4-Dichlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
2,2-Dichloropropane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
2-Chlorotoluene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
2-Hexanone	ND	5.0	ug/L	11/20/14	M/P	SW8260	
2-Isopropyltoluene	ND	1.0	ug/L	11/20/14	M/P	SW8260	1
4-Chlorotoluene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
4-Methyl-2-pentanone	ND	5.0	ug/L	11/20/14	M/P	SW8260	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: TRIP BLANK

Phoenix I.D.: BH43704

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Acetone	ND	25	ug/L	11/20/14	M/P	SW8260	
Acrylonitrile	ND	5.0	ug/L	11/20/14	M/P	SW8260	
Benzene	ND	0.70	ug/L	11/20/14	M/P	SW8260	
Bromobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Bromochloromethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Bromodichloromethane	ND	0.50	ug/L	11/20/14	M/P	SW8260	
Bromoform	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Bromomethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Carbon Disulfide	ND	5.0	ug/L	11/20/14	M/P	SW8260	
Carbon tetrachloride	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Chlorobenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Chloroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Chloroform	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Chloromethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
cis-1,2-Dichloroethene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
cis-1,3-Dichloropropene	ND	0.40	ug/L	11/20/14	M/P	SW8260	
Dibromochloromethane	ND	0.50	ug/L	11/20/14	M/P	SW8260	
Dibromomethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Dichlorodifluoromethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Ethylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Hexachlorobutadiene	ND	0.40	ug/L	11/20/14	M/P	SW8260	
Isopropylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
m&p-Xylene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Methyl ethyl ketone	ND	5.0	ug/L	11/20/14	M/P	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Methylene chloride	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Naphthalene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
n-Butylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
n-Propylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
o-Xylene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
p-Isopropyltoluene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
sec-Butylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Styrene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
tert-Butylbenzene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Tetrachloroethene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Tetrahydrofuran (THF)	ND	2.5	ug/L	11/20/14	M/P	SW8260	1
Toluene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Total Xylenes	ND	1.0	ug/L	11/20/14	M/P	SW8260	
trans-1,2-Dichloroethene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
trans-1,3-Dichloropropene	ND	0.40	ug/L	11/20/14	M/P	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	11/20/14	M/P	SW8260	
Trichloroethene	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Trichlorofluoromethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Trichlorotrifluoroethane	ND	1.0	ug/L	11/20/14	M/P	SW8260	
Vinyl chloride	ND	1.0	ug/L	11/20/14	M/P	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	110		%	11/20/14	M/P	70 - 130 %	
% Bromofluorobenzene	96		%	11/20/14	M/P	70 - 130 %	
% Dibromofluoromethane	94		%	11/20/14	M/P	70 - 130 %	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY

Phoenix I.D.: BH43704

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Toluene-d8	100		%	11/20/14	M/P	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

TRIP BLANK INCLUDED.

Volatile Analysis Comment:
Sample was analyzed outside of the 12hour "clock" from the tune file. Insufficient sample for re-analysis.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	0:00
Location Code:	GEICONS	Received by:	SW	11/20/14	9:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43701
Phoenix ID: BH43705

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: MW-DUP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum	1.45	0.010		mg/L	11/21/14	LK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium	0.067	0.002		mg/L	11/21/14	LK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium	92.3	0.010		mg/L	11/21/14	LK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt	0.004	0.002		mg/L	11/21/14	LK	SW6010
Chromium	0.006	0.001		mg/L	11/21/14	LK	SW6010
Copper	0.005	0.005		mg/L	11/21/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum (Dissolved)	0.04	0.01		mg/L	11/21/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium (Dissolved)	0.056	0.002		mg/L	11/21/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium (Dissolved)	73.1	0.01		mg/L	11/21/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Iron (Dissolved)	0.054	0.011		mg/L	11/21/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/24/14	RS	SW7470
Potassium (Dissolved)	5.8	0.1		mg/L	11/21/14	LK	SW6010
Magnesium (Dissolved)	26.4	0.01		mg/L	11/21/14	LK	SW6010
Manganese (Dissolved)	0.072	0.001		mg/L	11/21/14	LK	SW6010
Sodium (Dissolved)	30.2	0.11		mg/L	11/21/14	LK	SW6010
Nickel (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: MW-DUP

Phoenix I.D.: BH43705

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium (Dissolved)	< 0.01	0.01		mg/L	11/21/14	RS	E200.9/SM3113B	
Thallium (Dissolved)	< 0.0005	0.0005		mg/L	11/21/14	RS	SW7010	
Vanadium (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Zinc (Dissolved)	0.004	0.002		mg/L	11/21/14	LK	SW6010	
Iron	2.67	0.010		mg/L	11/21/14	LK	SW6010	
Mercury	< 0.0002	0.0002		mg/L	11/21/14	RS	SW7470	
Potassium	5.9	0.1		mg/L	11/21/14	LK	SW6010	
Magnesium	35.8	0.01		mg/L	11/21/14	LK	SW6010	
Manganese	0.144	0.001		mg/L	11/21/14	LK	SW6010	
Sodium	30.2	0.1		mg/L	11/21/14	LK	SW6010	
Nickel	0.005	0.001		mg/L	11/21/14	LK	SW6010	
Lead	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Antimony	< 0.003	0.003		mg/L	11/21/14	LK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Thallium	< 0.0005	0.0005		mg/L	11/21/14	RS	SM3113B/SW70	
Vanadium	0.007	0.002		mg/L	11/21/14	LK	SW6010	
Zinc	0.015	0.002		mg/L	11/21/14	LK	SW6010	B*
Filtration	Completed				11/20/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/24/14	I/I	SW7470	
Mercury Digestion	Completed				11/21/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/20/14	L/T	SW3510	
Extraction for Pest (2 Liter)	Completed				11/20/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/20/14	E/D	SW3520	
Dissolved Metals Preparation	Completed				11/20/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/20/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	131			%	11/21/14	AW	30 - 150 %	
% TCMX	128			%	11/21/14	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	11/21/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/21/14	CE	SW8081	1
Aldrin	ND	0.005		ug/L	11/21/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Chlordane	ND	0.050		ug/L	11/21/14	CE	SW8081	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: MW-DUP

Phoenix I.D.: BH43705

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081
Dieldrin	ND	0.002		ug/L	11/21/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin	ND	0.010		ug/L	11/21/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	11/21/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	11/21/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	11/21/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	11/21/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	11/21/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	11/21/14	CE	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	86			%	11/21/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	80			%	11/21/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1,1-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
1,1,2-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,1-Dichloropropene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,3-Trichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dibromoethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,2-Dichloroethane	ND	0.60		ug/L	11/21/14	MH	SW8260	
1,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,3-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
1,4-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
2,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260	
2-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
2-Hexanone	ND	5.0		ug/L	11/21/14	MH	SW8260	
2-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	1
4-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
4-Methyl-2-pentanone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Acetone	ND	25		ug/L	11/21/14	MH	SW8260	
Acrylonitrile	ND	5.0		ug/L	11/21/14	MH	SW8260	
Benzene	ND	0.70		ug/L	11/21/14	MH	SW8260	
Bromobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromochloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromodichloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	

Project ID: 141228-2/34-22 35TH ST ASTORIA NY
Client ID: MW-DUP

Phoenix I.D.: BH43705

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/21/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/21/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/21/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/21/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	11/21/14	MH	70 - 130 %	
% Bromofluorobenzene	95			%	11/21/14	MH	70 - 130 %	
% Dibromofluoromethane	97			%	11/21/14	MH	70 - 130 %	
% Toluene-d8	100			%	11/21/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/24/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/24/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270

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Client ID: MW-DUP

Phoenix I.D.: BH43705

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/24/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/24/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/24/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/24/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/24/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/24/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/24/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/24/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/24/14	DD	SW8270
Benzidine	ND	5		ug/L	11/24/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/24/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/24/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/24/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/24/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/24/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/24/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/24/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/24/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/24/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	11/24/14	DD	15 - 110 %
% 2-Fluorobiphenyl	83			%	11/24/14	DD	30 - 130 %
% 2-Fluorophenol	65			%	11/24/14	DD	15 - 110 %
% Nitrobenzene-d5	74			%	11/24/14	DD	30 - 130 %
% Phenol-d5	66			%	11/24/14	DD	15 - 110 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	92			%	11/24/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.1		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	1.1	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/23/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Fluorene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Naphthalene	0.15	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.85		ug/L	11/23/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Pyridine	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	91			%	11/23/14	DD	15 - 110 %
% 2-Fluorobiphenyl	83			%	11/23/14	DD	30 - 130 %
% 2-Fluorophenol	65			%	11/23/14	DD	15 - 110 %
% Nitrobenzene-d5	74			%	11/23/14	DD	30 - 130 %
% Phenol-d5	66			%	11/23/14	DD	15 - 110 %
% Terphenyl-d14	92			%	11/23/14	DD	30 - 130 %

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Phoenix I.D.: BH43705

Client ID: MW-DUP

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

Sample Criteria Exceedences Report

GBH43701 - GEICONS

Criteria: NY: 375RRS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH43701	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43701	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43701	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43701	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BH43701	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43701	$PEST_GAWR	Chlordane	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.30	0.1	0.1	ug/L
BH43701	$PEST_GAWR	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01	ug/L
BH43701	$PEST_GAWR	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
BH43701	$PEST_GAWR	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01	ug/L
BH43701	$PEST_GAWR	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01	ug/L
BH43701	$PEST_GAWR	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.050	0.01	0.01	ug/L
BH43701	$PEST_GAWR	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
BH43701	$PEST_GAWR	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.30	0.05	0.05	ug/L
BH43701	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.007	0.002	0.004	0.004	ug/L
BH43701	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
BH43701	$PEST_GAWR	a-BHC	NY / TOGS - Water Quality / GA Criteria	ND	0.025	0.01	0.01	ug/L
BH43701	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	11.3	0.010	0.1	0.1	mg/L
BH43701	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.22	0.01	0.1	0.1	mg/L
BH43701	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.345	0.011	0.3	0.3	mg/L
BH43701	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	15.2	0.010	0.3	0.3	mg/L
BH43701	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	52.9	0.01	35	35	mg/L
BH43701	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	0.460	0.001	0.3	0.3	mg/L
BH43702	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43702	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43702	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43702	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBH43701 - GEICONS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH43702	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43702	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43702	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH43702	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.005	0.004	0.004	ug/L
BH43702	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	0.665	0.010	0.1	0.1	mg/L
BH43702	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	21.4	0.11	20	20	mg/L
BH43702	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	1.21	0.010	0.3	0.3	mg/L
BH43702	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	21.7	0.1	20	20	mg/L
BH43703	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43703	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43703	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43703	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43703	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH43703	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH43703	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.005	0.004	0.004	ug/L
BH43704	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43704	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43704	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43705	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43705	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43705	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43705	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBH43701 - GEICONS

Criteria: NY: 375RRS, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH43705	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43705	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43705	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH43705	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.45	0.010	0.1	0.1	mg/L
BH43705	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	30.2	0.11	20	20	mg/L
BH43705	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	2.67	0.010	0.3	0.3	mg/L
BH43705	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	35.8	0.01	35	35	mg/L
BH43705	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	30.2	0.1	20	20	mg/L

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

Cooler: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☒ No ☐
Temp 3 °C Pg of

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: (631) - 708 - 8063
☐ Email: MQUINLAN@GEICONSULTANTS.COM

Customer: GEI CONSULTANTS INC. P.C.
Address: 110 WEST WHITMAN ROAD
HUNTINGTON STATION, NY 11746

Project: 141228-0/34-22 38th St. Astoria NY
Report to: MQUINLAN@GEICONSULTANTS.COM
Invoice to: AJAROSZEWSKI@GEICONSULTANTS.COM
Project P.O: 141228-0

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 11/19/14

Client Sample - Information - Identification

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

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	PESTICIDES/PCBs 8081/8082	TAL METALS	#20 VOA vials w/ HCl	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container [ ] 1oz	GL Soil container [ ] 1oz	40 ml VOA Vial [ ] As ss [ ] HCl	GL Amber 1000ml [ ] As ss	PL As ss [ ] 125ml [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 [ ] 250ml	PL NaOH 250ml	Bacteria Bottle	TOTAL
43701	GP2 (MW-2)	GW	11/19/14	1230	X	X	X	X	3				3			1	1			7
43702	GP3 (MW-3)	↓	↓	1120	X	X	X	X	3				3			1	1			7
43703	GP-FIELD BLANK	↓	↓	1300	X	X	X	X	3				3			1	1			7
43704	TRIP BLANK			—	X				2											2
43705	MW-DUP	↓	↓	—	X	X	X	X	3				3			1	1			7

Relinquished by:	Accepted by:	Date:	Time:
[signature]		11/19/14	1500
FEDEX	THURSH	11/20/14	9:40

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

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

GW - TOGS 1.1.1 AWQS

NY: ☐ TAGM 4046 GW ☐ TAGM 4046 SOIL ☐ NY375 Unrestricted Use Soil ☐ NY375 Residential Soil ☒ Restricted/Residential ☐ Commercial ☐ Industrial

Data Format: ☒ Phoenix Std Report ☒ Excel ☒ PDF ☐ GIS/Key ☐ EQuIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other

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

State where samples were collected: NY

Comments, Special Requirements or Regulations:
* ALSO REPORT TO AJAROSZEWSKI@GEICONSULTANTS.COM
** ALL GW SAMPLES PLEASE ANALYZE FOR BOTH FILTERED (DISSOLVED) + UNFILTERED (TOTAL) METALS
* RESULTS REQUESTED BY 11/26/14

+one glass amber ecol. orgen, one TB HCL VOC (TP)

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

Draft Progress Report

November 24, 2014

FOR: Attn: Mr Michael Quinlan
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		11/19/14	10:35
Location Code:	GEICONS	Received by:	SW	11/20/14	10:40
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	141228-0				

Laboratory Data

SDG ID: GBH43706
Phoenix ID: BH43706

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum	1.95	0.010		mg/L	11/21/14	LK	SW6010
Arsenic	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium	0.071	0.002		mg/L	11/21/14	LK	SW6010
Beryllium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium	93.6	0.010		mg/L	11/21/14	LK	SW6010
Cadmium	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt	0.004	0.002		mg/L	11/21/14	LK	SW6010
Chromium	0.007	0.001		mg/L	11/21/14	LK	SW6010
Copper	0.005	0.005		mg/L	11/21/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Aluminum (Dissolved)	0.09	0.01		mg/L	11/21/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	11/21/14	LK	SW6010
Barium (Dissolved)	0.056	0.002		mg/L	11/21/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Calcium (Dissolved)	73.5	0.01		mg/L	11/21/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Cobalt (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	11/21/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010
Iron (Dissolved)	0.135	0.011		mg/L	11/21/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	11/24/14	RS	SW7470
Potassium (Dissolved)	6.0	0.1		mg/L	11/21/14	LK	SW6010
Magnesium (Dissolved)	26.7	0.01		mg/L	11/21/14	LK	SW6010
Manganese (Dissolved)	0.074	0.001		mg/L	11/21/14	LK	SW6010
Sodium (Dissolved)	30.2	0.11		mg/L	11/21/14	LK	SW6010
Nickel (Dissolved)	0.002	0.001		mg/L	11/21/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	11/21/14	LK	SW6010

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Phoenix I.D.: BH43706

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Antimony (Dissolved)	< 0.005	0.005		mg/L	11/21/14	LK	SW6010	
Selenium (Dissolved)	< 0.002	0.002		mg/L	11/21/14	RS	E200.9/SM3113B	
Thallium (Dissolved)	< 0.002	0.002		mg/L	11/21/14	RS	SW7010	
Vanadium (Dissolved)	0.002	0.002		mg/L	11/21/14	LK	SW6010	
Zinc (Dissolved)	0.004	0.002		mg/L	11/21/14	LK	SW6010	
Iron	3.35	0.010		mg/L	11/21/14	LK	SW6010	
Mercury	< 0.0002	0.0002		mg/L	11/21/14	RS	SW7470	
Potassium	6.1	0.1		mg/L	11/21/14	LK	SW6010	
Magnesium	36.5	0.01		mg/L	11/21/14	LK	SW6010	
Manganese	0.151	0.001		mg/L	11/21/14	LK	SW6010	
Sodium	30.8	0.1		mg/L	11/21/14	LK	SW6010	
Nickel	0.005	0.001		mg/L	11/21/14	LK	SW6010	
Lead	< 0.002	0.002		mg/L	11/21/14	LK	SW6010	
Antimony	< 0.005	0.005		mg/L	11/21/14	LK	SW6010	
Selenium	< 0.010	0.010		mg/L	11/21/14	LK	SW6010	
Thallium	< 0.002	0.002		mg/L	11/21/14	RS	SM3113B/SW70	
Vanadium	0.009	0.002		mg/L	11/21/14	LK	SW6010	
Zinc	0.015	0.002		mg/L	11/21/14	LK	SW6010	B*
Filtration	Completed				11/20/14	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed				11/24/14	I/I	SW7470	
Mercury Digestion	Completed				11/21/14	I/I	SW7470	
PCB Extraction (2 Liter)	Completed				11/20/14	L/T	SW3510	
Extraction for Pest (2 Liter)	Completed				11/20/14	L	SW3510	
Semi-Volatile Extraction	Completed				11/20/14	E/D	SW3520	
Dissolved Metals Preparation	Completed				11/20/14	AG	SW846-3005	
Total Metals Digestion	Completed				11/20/14	AG	SW846 - 3050	
Polychlorinated Biphenyls								
PCB-1016	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1221	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1232	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1242	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1248	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1254	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1260	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1262	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
PCB-1268	ND	0.050	0.050	ug/L	11/21/14	AW	608/ 8082	
QA/QC Surrogates								
% DCBP	95			%	11/21/14	AW	30 - 150 %	
% TCMX	86			%	11/21/14	AW	30 - 150 %	
Pesticides								
4,4' -DDD	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDE	ND	0.010		ug/L	11/21/14	CE	SW8081	
4,4' -DDT	ND	0.010		ug/L	11/21/14	CE	SW8081	
a-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Alachlor	ND	0.075		ug/L	11/21/14	CE	SW8081	1
Aldrin	ND	0.005		ug/L	11/21/14	CE	SW8081	
b-BHC	ND	0.005		ug/L	11/21/14	CE	SW8081	
Chlordane	ND	0.050		ug/L	11/21/14	CE	SW8081	

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Phoenix I.D.: BH43706

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	11/21/14	CE	SW8081
Dieldrin	ND	0.005		ug/L	11/21/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	11/21/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin	ND	0.010		ug/L	11/21/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	11/21/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	11/21/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	11/21/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	11/21/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	11/21/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	11/21/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	11/21/14	CE	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	80			%	11/21/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	81			%	11/21/14	CE	30 - 150 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	11/21/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	11/21/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
2,2-Dichloropropane	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	11/21/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260 1
4-Chlorotoluene	ND	1.0		ug/L	11/21/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	11/21/14	MH	SW8260
Acetone	ND	25		ug/L	11/21/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	11/21/14	MH	SW8260
Benzene	ND	0.70		ug/L	11/21/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Phoenix I.D.: BH43706

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Bromoform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Bromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Carbon Disulfide	ND	5.0		ug/L	11/21/14	MH	SW8260	
Carbon tetrachloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chlorobenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloroform	ND	1.0		ug/L	11/21/14	MH	SW8260	
Chloromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
cis-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Dibromochloromethane	ND	0.50		ug/L	11/21/14	MH	SW8260	
Dibromomethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Dichlorodifluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Ethylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Hexachlorobutadiene	ND	0.40		ug/L	11/21/14	MH	SW8260	
Isopropylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
m&p-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methyl ethyl ketone	ND	5.0		ug/L	11/21/14	MH	SW8260	
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	11/21/14	MH	SW8260	
Methylene chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
Naphthalene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
n-Propylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
o-Xylene	ND	1.0		ug/L	11/21/14	MH	SW8260	
p-Isopropyltoluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
sec-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Styrene	ND	1.0		ug/L	11/21/14	MH	SW8260	
tert-Butylbenzene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrachloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Tetrahydrofuran (THF)	ND	2.5		ug/L	11/21/14	MH	SW8260	1
Toluene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Total Xylenes	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,2-Dichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
trans-1,3-Dichloropropene	ND	0.40		ug/L	11/21/14	MH	SW8260	
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	11/21/14	MH	SW8260	
Trichloroethene	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorofluoromethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Trichlorotrifluoroethane	ND	1.0		ug/L	11/21/14	MH	SW8260	
Vinyl chloride	ND	1.0		ug/L	11/21/14	MH	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	11/21/14	MH	70 - 130 %	
% Bromofluorobenzene	99			%	11/21/14	MH	70 - 130 %	
% Dibromofluoromethane	100			%	11/21/14	MH	70 - 130 %	
% Toluene-d8	101			%	11/21/14	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.3		ug/L	11/24/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.6		ug/L	11/24/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.3		ug/L	11/24/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.6		ug/L	11/24/14	DD	SW8270

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Phoenix I.D.: BH43706

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.6		ug/L	11/24/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2,4-Dichlorophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2,4-Dimethylphenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2,4-Dinitrophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.3		ug/L	11/24/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.3		ug/L	11/24/14	DD	SW8270
2-Chloronaphthalene	ND	5.3		ug/L	11/24/14	DD	SW8270
2-Chlorophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.1		ug/L	11/24/14	DD	SW8270
2-Nitroaniline	ND	5.3		ug/L	11/24/14	DD	SW8270
2-Nitrophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	11		ug/L	11/24/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.3		ug/L	11/24/14	DD	SW8270
3-Nitroaniline	ND	5.3		ug/L	11/24/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.1		ug/L	11/24/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.3		ug/L	11/24/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.1		ug/L	11/24/14	DD	SW8270
4-Chloroaniline	ND	5.3		ug/L	11/24/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.1		ug/L	11/24/14	DD	SW8270
4-Nitroaniline	ND	5.3		ug/L	11/24/14	DD	SW8270
4-Nitrophenol	ND	1.1		ug/L	11/24/14	DD	SW8270
Acetophenone	ND	5.3		ug/L	11/24/14	DD	SW8270
Aniline	ND	5.3		ug/L	11/24/14	DD	SW8270
Benzidine	ND	53		ug/L	11/24/14	DD	SW8270
Benzoic acid	ND	53		ug/L	11/24/14	DD	SW8270
Benzyl butyl phthalate	ND	5.3		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.3		ug/L	11/24/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.1		ug/L	11/24/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.3		ug/L	11/24/14	DD	SW8270
Carbazole	ND	5.3		ug/L	11/24/14	DD	SW8270
Dibenzofuran	ND	5.3		ug/L	11/24/14	DD	SW8270
Diethyl phthalate	ND	5.3		ug/L	11/24/14	DD	SW8270
Dimethylphthalate	ND	5.3		ug/L	11/24/14	DD	SW8270
Di-n-butylphthalate	ND	5.3		ug/L	11/24/14	DD	SW8270
Di-n-octylphthalate	ND	5.3		ug/L	11/24/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.3		ug/L	11/24/14	DD	SW8270
Isophorone	ND	5.3		ug/L	11/24/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.3		ug/L	11/24/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.3		ug/L	11/24/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.3		ug/L	11/24/14	DD	SW8270
Phenol	ND	1.1		ug/L	11/24/14	DD	SW8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90			%	11/24/14	DD	15 - 110 %
% 2-Fluorobiphenyl	74			%	11/24/14	DD	30 - 130 %
% 2-Fluorophenol	60			%	11/24/14	DD	15 - 110 %
% Nitrobenzene-d5	67			%	11/24/14	DD	30 - 130 %
% Phenol-d5	62			%	11/24/14	DD	15 - 110 %

Project ID: 141228-0/34-22 35TH ST ASTORIA NY
Client ID: GP 1 (MW-1)

Phoenix I.D.: BH43706

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	92			%	11/24/14	DD	30 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.1		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	1.7	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/23/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Fluorene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Naphthalene	0.13	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.11		ug/L	11/23/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.84		ug/L	11/23/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/23/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/23/14	DD	SW8270 (SIM)
Pyridine	ND	0.53		ug/L	11/23/14	DD	SW8270 (SIM)
QA/QC Surrogates							
% 2,4,6-Tribromophenol	90			%	11/23/14	DD	15 - 110 %
% 2-Fluorobiphenyl	74			%	11/23/14	DD	30 - 130 %
% 2-Fluorophenol	60			%	11/23/14	DD	15 - 110 %
% Nitrobenzene-d5	67			%	11/23/14	DD	30 - 130 %
% Phenol-d5	62			%	11/23/14	DD	15 - 110 %
% Terphenyl-d14	92			%	11/23/14	DD	30 - 130 %

Project ID: 141228-0/34-22 35TH ST ASTORIA NY

Phoenix I.D.: BH43706

Client ID: GP 1 (MW-1)

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

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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

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

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.

PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

Phyllis Shiller, Laboratory Director
November 24, 2014

Sample Criteria Exceedences Report

GBH43706 - GEICONS

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH43706	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43706	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH43706	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH43706	$8270-SIMFSR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	Aniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	Benzoic acid	NY / TAGM - Volatile Organics / Groundwater Standards	ND	53	50	50	ug/L
BH43706	$8270-SIMFSR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	Aniline	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.3	5	5	ug/L
BH43706	$8270-SIMFSR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
BH43706	$8270-SIMFSR	Benzidine	NY / TOGS - Water Quality / GA Criteria	ND	53	5	5	ug/L
BH43706	$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBH43706 - GEICONS

Criteria: NY: GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH43706	$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43706	$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH43706	$PEST_GAWR	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.005	0.004	0.004	ug/L
BH43706	$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH43706	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	1.95	0.010	0.1	0.1	mg/L
BH43706	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	30.2	0.11	20	20	mg/L
BH43706	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH43706	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BH43706	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	3.35	0.010	0.3	0.3	mg/L
BH43706	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	36.5	0.01	35	35	mg/L
BH43706	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	30.8	0.1	20	20	mg/L
BH43706	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH43706	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L

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

2 of 2

Cooler: Yes [X] No [ ]
Coolant: IPK [ ] ICE [X] No [ ]
Temp 2 °C Pg of

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

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

Contact Options:
[ ] Fax:
[X] Phone: 631-708-8063
Email: M Quinlan@GEIConsultants.com

Customer: GEI Consultants Inc. PC
Address: 110 West Whitman Road, Huntington Station, NY 11746

Project: 141228-0 34-22 35th St. Astoria NY
Report to: MQuinlan@GEIConsultants.com
Invoice to:

Project P.O: 141228-0

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 11/19/14

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/PCBs 8082	TAL Metals	H2O VOA Vials w/ HCl	Soil VOA Vials	GL Soil container	GL Soil container	40 ml VOA Vial	GL Amber 1000ml	PL Na2S	PL H2SO4	PL HNO3	PL NaOH	Bacteria Bottle	Total
43706	GP1 (MW-1)	GW	11/19/14	1035	X	X	X	X	3					3		1				7

Relinquished by:	Accepted by:	Date:	Time:
[signature]		11/19/14	1520
UPS	[signature]	11/20/14	1040

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
GW - TOGS 1.1.1
AWQS

NY
[ ] TAGM 4046 GW
[ ] TAGM 4046 SOIL
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[X] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[X] Phoenix Std Report
[X] Excel
[X] 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:
* Also report to AJaroszewski@GEIConsultants.com
* All GW samples please analyze for both filtered (dissolved) + unfiltered (totals) metals
* Results requested by 11/26/14

PHOENIX
Environmental Laboratories, Inc.

Wednesday, November 19, 2014

Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Project ID: 141228-0/31-32 35TH ST
Sample ID#s: BH41622 - BH41625

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

Analysis Report

November 19, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MQ	11/13/14	15:42
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41622
Phoenix ID: BH41622

Project ID: 141228-0/31-32 35TH ST
Client ID: GP7(SG-3)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	1
1,1,1-Trichloroethane	1.50	*0.183*	8.18	*1.00*	11/17/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trimethylbenzene	7.62	*0.204*	37.4	*1.00*	11/17/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/17/14	KCA	TO15	
1,3,5-Trimethylbenzene	2.02	*0.204*	9.92	*1.00*	11/17/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/17/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
2-Hexanone(MBK)	3.49	*0.244*	14.3	*1.00*	11/17/14	KCA	TO15	1
4-Ethyltoluene	3.61	*0.204*	17.7	*1.00*	11/17/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.270	*0.244*	1.10	*1.00*	11/17/14	KCA	TO15	
Acetone	144	*0.421*	342	*1.00*	11/17/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/17/14	KCA	TO15	
Benzene	10.5	*0.313*	33.5	*1.00*	11/17/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/17/14	KCA	TO15	

Project ID: 141228-0/31-32 35TH ST
Client ID: GP7(SG-3)

Phoenix I.D.: BH41622

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/17/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	11/17/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	11/17/14	KCA	TO15	
Carbon Disulfide	0.430	*0.321*	1.34	*1.00*	11/17/14	KCA	TO15	
Carbon Tetrachloride	1.44	*0.040*	9.05	*0.25*	11/17/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroform	0.950	*0.205*	4.64	*1.00*	11/17/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	11/17/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Cyclohexane	1.73	*0.291*	5.95	*1.00*	11/17/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	11/17/14	KCA	TO15	
Dichlorodifluoromethane	0.460	*0.202*	2.27	*1.00*	11/17/14	KCA	TO15	
Ethanol	15.3	*0.531*	28.8	*1.00*	11/17/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	1
Ethylbenzene	22.5	*0.230*	97.6	*1.00*	11/17/14	KCA	TO15	
Heptane	13.4	*0.244*	54.9	*1.00*	11/17/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/17/14	KCA	TO15	
Hexane	11.9	*0.284*	41.9	*1.00*	11/17/14	KCA	TO15	
Isopropylalcohol	1.67	*0.407*	4.10	*1.00*	11/17/14	KCA	TO15	
Isopropylbenzene	0.960	*0.204*	4.72	*1.00*	11/17/14	KCA	TO15	
m,p-Xylene	64.4	*0.230*	279	*1.00*	11/17/14	KCA	TO15	
Methyl Ethyl Ketone	186	*0.339*	548	*1.00*	11/17/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
Methylene Chloride	0.560	*0.288*	1.94	*1.00*	11/17/14	KCA	TO15	
n-Butylbenzene	0.450	*0.182*	2.47	*1.00*	11/17/14	KCA	TO15	1
o-Xylene	19.5	*0.230*	84.6	*1.00*	11/17/14	KCA	TO15	
Propylene	5.36	*0.581*	9.22	*1.00*	11/17/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
Styrene	0.300	*0.235*	1.28	*1.00*	11/17/14	KCA	TO15	
Tetrachloroethene	5.32	*0.037*	36.1	*0.25*	11/17/14	KCA	TO15	
Tetrahydrofuran	380	*0.339*	1120	*1.00*	11/17/14	KCA	TO15	1
Toluene	113	*0.266*	426	*1.00*	11/17/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Trichloroethene	0.540	*0.047*	2.90	*0.25*	11/17/14	KCA	TO15	
Trichlorofluoromethane	4.31	*0.178*	24.2	*1.00*	11/17/14	KCA	TO15	
Trichlorotrifluoroethane	0.270	*0.130*	2.07	*1.00*	11/17/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	11/17/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	105	%	105	%	11/17/14	KCA	70 - 130 %	

Project ID: 141228-0/31-32 35TH ST

Client ID: GP7(SG-3)

Phoenix I.D.: BH41622

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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

November 19, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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Analysis Report

November 19, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MQ	11/13/14	15:39
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41622
Phoenix ID: BH41623

Project ID: 141228-0/31-32 35TH ST
Client ID: GP6(SG-1)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	1
1,1,1-Trichloroethane	1.88	*0.183*	10.2	*1.00*	11/17/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trimethylbenzene	9.32	*0.204*	45.8	*1.00*	11/17/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/17/14	KCA	TO15	
1,3,5-Trimethylbenzene	2.43	*0.204*	11.9	*1.00*	11/17/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/17/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
2-Hexanone(MBK)	3.14	*0.244*	12.8	*1.00*	11/17/14	KCA	TO15	1
4-Ethyltoluene	4.31	*0.204*	21.2	*1.00*	11/17/14	KCA	TO15	1
4-Isopropyltoluene	0.200	*0.182*	1.10	*1.00*	11/17/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	0.410	*0.244*	1.68	*1.00*	11/17/14	KCA	TO15	
Acetone	134	*0.421*	318	*1.00*	11/17/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/17/14	KCA	TO15	
Benzene	9.84	*0.313*	31.4	*1.00*	11/17/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/17/14	KCA	TO15	

Project ID: 141228-0/31-32 35TH ST
Client ID: GP6(SG-1)

Phoenix I.D.: BH41623

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/17/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	11/17/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	11/17/14	KCA	TO15	
Carbon Disulfide	2.47	*0.321*	7.69	*1.00*	11/17/14	KCA	TO15	
Carbon Tetrachloride	0.490	*0.040*	3.08	*0.25*	11/17/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroform	0.690	*0.205*	3.37	*1.00*	11/17/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	11/17/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Cyclohexane	1.70	*0.291*	5.85	*1.00*	11/17/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	11/17/14	KCA	TO15	
Dichlorodifluoromethane	0.420	*0.202*	2.08	*1.00*	11/17/14	KCA	TO15	
Ethanol	8.66	*0.531*	16.3	*1.00*	11/17/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	1
Ethylbenzene	22.6	*0.230*	98.1	*1.00*	11/17/14	KCA	TO15	
Heptane	11.9	*0.244*	48.7	*1.00*	11/17/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/17/14	KCA	TO15	
Hexane	10.2	*0.284*	35.9	*1.00*	11/17/14	KCA	TO15	
Isopropylalcohol	2.31	*0.407*	5.67	*1.00*	11/17/14	KCA	TO15	
Isopropylbenzene	1.06	*0.204*	5.21	*1.00*	11/17/14	KCA	TO15	
m,p-Xylene	66.6	*0.230*	289	*1.00*	11/17/14	KCA	TO15	
Methyl Ethyl Ketone	120	*0.339*	354	*1.00*	11/17/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
Methylene Chloride	0.300	*0.288*	1.04	*1.00*	11/17/14	KCA	TO15	
n-Butylbenzene	0.530	*0.182*	2.91	*1.00*	11/17/14	KCA	TO15	1
o-Xylene	20.4	*0.230*	88.5	*1.00*	11/17/14	KCA	TO15	
Propylene	24.3	*0.581*	41.8	*1.00*	11/17/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
Styrene	0.290	*0.235*	1.23	*1.00*	11/17/14	KCA	TO15	
Tetrachloroethene	1.21	*0.037*	8.20	*0.25*	11/17/14	KCA	TO15	
Tetrahydrofuran	288	*0.339*	849	*1.00*	11/17/14	KCA	TO15	1
Toluene	113	*0.266*	426	*1.00*	11/17/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	11/17/14	KCA	TO15	
Trichlorofluoromethane	1.44	*0.178*	8.08	*1.00*	11/17/14	KCA	TO15	
Trichlorotrifluoroethane	0.590	*0.130*	4.52	*1.00*	11/17/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	11/17/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	104	%	104	%	11/17/14	KCA	70 - 130 %	

Project ID: 141228-0/31-32 35TH ST

Client ID: GP6(SG-1)

Phoenix I.D.: BH41623

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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

November 19, 2014

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

November 19, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MQ	11/13/14	0:00
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41622
Phoenix ID: BH41624

Project ID: 141228-0/31-32 35TH ST
Client ID: SG DUP

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	1
1,1,1-Trichloroethane	2.21	*0.183*	12.0	*1.00*	11/17/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.900	*0.204*	4.42	*1.00*	11/17/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/17/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.280	*0.204*	1.38	*1.00*	11/17/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/17/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	11/17/14	KCA	TO15	1
4-Ethyltoluene	0.470	*0.204*	2.31	*1.00*	11/17/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	11/17/14	KCA	TO15	
Acetone	98.9	*0.421*	235	*1.00*	11/17/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/17/14	KCA	TO15	
Benzene	7.10	*0.313*	22.7	*1.00*	11/17/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/17/14	KCA	TO15	

Project ID: 141228-0/31-32 35TH ST
Client ID: SG DUP

Phoenix I.D.: BH41624

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/17/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	11/17/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	11/17/14	KCA	TO15	
Carbon Disulfide	1.36	*0.321*	4.23	*1.00*	11/17/14	KCA	TO15	
Carbon Tetrachloride	2.39	*0.040*	15.0	*0.25*	11/17/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroform	5.11	*0.205*	24.9	*1.00*	11/17/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	11/17/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Cyclohexane	1.51	*0.291*	5.19	*1.00*	11/17/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	11/17/14	KCA	TO15	
Dichlorodifluoromethane	0.410	*0.202*	2.03	*1.00*	11/17/14	KCA	TO15	
Ethanol	44.0	*0.531*	82.8	*1.00*	11/17/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	1
Ethylbenzene	7.93	*0.230*	34.4	*1.00*	11/17/14	KCA	TO15	
Heptane	8.10	*0.244*	33.2	*1.00*	11/17/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/17/14	KCA	TO15	
Hexane	9.23	*0.284*	32.5	*1.00*	11/17/14	KCA	TO15	
Isopropylalcohol	2.81	*0.407*	6.90	*1.00*	11/17/14	KCA	TO15	
Isopropylbenzene	0.240	*0.204*	1.18	*1.00*	11/17/14	KCA	TO15	
m,p-Xylene	22.6	*0.230*	98.1	*1.00*	11/17/14	KCA	TO15	
Methyl Ethyl Ketone	192	*0.339*	566	*1.00*	11/17/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	11/17/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
o-Xylene	6.24	*0.230*	27.1	*1.00*	11/17/14	KCA	TO15	
Propylene	7.82	*0.581*	13.4	*1.00*	11/17/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	11/17/14	KCA	TO15	
Tetrachloroethene	4.52	*0.037*	30.6	*0.25*	11/17/14	KCA	TO15	
Tetrahydrofuran	243	*0.339*	716	*1.00*	11/17/14	KCA	TO15	1
Toluene	53.9	*0.266*	203	*1.00*	11/17/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Trichloroethene	1.54	*0.047*	8.27	*0.25*	11/17/14	KCA	TO15	
Trichlorofluoromethane	2.72	*0.178*	15.3	*1.00*	11/17/14	KCA	TO15	
Trichlorotrifluoroethane	0.240	*0.130*	1.84	*1.00*	11/17/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	11/17/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	102	%	102	%	11/17/14	KCA	70 - 130 %	

Project ID: 141228-0/31-32 35TH ST
Client ID: SG DUP

Phoenix I.D.: BH41624

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 19, 2014

FOR: Attn: Erik Curran
GEI Consultants, Inc. P.C.
110 Walt Whitman Rd Suite 204
Huntington Station, NY 11746

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	MQ	11/13/14	15:40
Location Code:	GEICONS	Received by:	SW	11/14/14	15:08
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH41622
Phoenix ID: BH41625

Project ID: 141228-0/31-32 35TH ST
Client ID: GP4(SG-2)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	1
1,1,1-Trichloroethane	2.26	*0.183*	12.3	*1.00*	11/17/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/17/14	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/17/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.19	*0.204*	5.85	*1.00*	11/17/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	11/17/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/17/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.390	*0.204*	1.92	*1.00*	11/17/14	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/17/14	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/17/14	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	11/17/14	KCA	TO15	1
4-Ethyltoluene	0.710	*0.204*	3.49	*1.00*	11/17/14	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	11/17/14	KCA	TO15	
Acetone	95.6	*0.421*	227	*1.00*	11/17/14	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/17/14	KCA	TO15	
Benzene	7.18	*0.313*	22.9	*1.00*	11/17/14	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/17/14	KCA	TO15	

Project ID: 141228-0/31-32 35TH ST
Client ID: GP4(SG-2)

Phoenix I.D.: BH41625

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/17/14	KCA	TO15	
Bromoform	ND	*0.097*	ND	*1.00*	11/17/14	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	11/17/14	KCA	TO15	
Carbon Disulfide	1.39	*0.321*	4.32	*1.00*	11/17/14	KCA	TO15	
Carbon Tetrachloride	2.46	*0.040*	15.5	*0.25*	11/17/14	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	11/17/14	KCA	TO15	
Chloroform	5.30	*0.205*	25.9	*1.00*	11/17/14	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	11/17/14	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Cyclohexane	1.57	*0.291*	5.40	*1.00*	11/17/14	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	11/17/14	KCA	TO15	
Dichlorodifluoromethane	0.440	*0.202*	2.17	*1.00*	11/17/14	KCA	TO15	
Ethanol	44.6	*0.531*	84.0	*1.00*	11/17/14	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	1
Ethylbenzene	8.46	*0.230*	36.7	*1.00*	11/17/14	KCA	TO15	
Heptane	8.31	*0.244*	34.0	*1.00*	11/17/14	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/17/14	KCA	TO15	
Hexane	9.15	*0.284*	32.2	*1.00*	11/17/14	KCA	TO15	
Isopropylalcohol	3.91	*0.407*	9.60	*1.00*	11/17/14	KCA	TO15	
Isopropylbenzene	0.270	*0.204*	1.33	*1.00*	11/17/14	KCA	TO15	
m,p-Xylene	24.7	*0.230*	107	*1.00*	11/17/14	KCA	TO15	
Methyl Ethyl Ketone	200	*0.339*	589	*1.00*	11/17/14	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/17/14	KCA	TO15	
Methylene Chloride	ND	*0.288*	ND	*1.00*	11/17/14	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
o-Xylene	6.84	*0.230*	29.7	*1.00*	11/17/14	KCA	TO15	
Propylene	7.43	*0.581*	12.8	*1.00*	11/17/14	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/17/14	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	11/17/14	KCA	TO15	
Tetrachloroethene	4.78	*0.037*	32.4	*0.25*	11/17/14	KCA	TO15	
Tetrahydrofuran	259	*0.339*	763	*1.00*	11/17/14	KCA	TO15	1
Toluene	56.3	*0.266*	212	*1.00*	11/17/14	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/17/14	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	11/17/14	KCA	TO15	
Trichloroethene	1.57	*0.047*	8.43	*0.25*	11/17/14	KCA	TO15	
Trichlorofluoromethane	2.73	*0.178*	15.3	*1.00*	11/17/14	KCA	TO15	
Trichlorotrifluoroethane	0.240	*0.130*	1.84	*1.00*	11/17/14	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	11/17/14	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	100	%	100	%	11/17/14	KCA	70 - 130 %	

Project ID: 141228-0/31-32 35TH ST
Client ID: GP4(SG-2)

Phoenix I.D.: BH41625

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	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 Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
November 19, 2014
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 19, 2014

QA/QC Data

SDG I.D.: GBH41622

QA/QC Batch 292655, QC Sample No: BH41622 (BH41622, BH41623, BH41624, BH41625)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	104	8.18	7.96	1.50	1.46	2.7	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	135	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	105	37.4	35.7	7.62	7.27	4.7	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	99	9.92	9.63	2.02	1.96	3.0	70 - 130	20
1,3-Butadiene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	104	14.3	13.8	3.49	3.36	3.8	70 - 130	20
4-Ethyltoluene	ND	ND	102	17.7	17.6	3.61	3.59	0.6	70 - 130	20
4-Isopropyltoluene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	103	1.10	1.10	0.270	0.270	0.0	70 - 130	20
Acetone	ND	ND	97	297	290	125	122	2.4	70 - 130	20
Acrylonitrile	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	101	33.5	33.2	10.5	10.4	1.0	70 - 130	20
Benzyl chloride	ND	ND	>140	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	130	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	92	1.34	1.31	0.430	0.420	2.4	70 - 130	20
Carbon Tetrachloride	ND	ND	110	9.05	8.49	1.44	1.35	6.5	70 - 130	20
Chlorobenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	96	4.64	4.54	0.950	0.930	2.1	70 - 130	20
Chloromethane	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	99	5.95	5.78	1.73	1.68	2.9	70 - 130	20
Dibromochloromethane	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	102	2.27	2.12	0.460	0.430	6.7	70 - 130	20
Ethanol	ND	ND	90	28.8	24.7	15.3	13.1	15.5	70 - 130	20

QA/QC Data

SDG I.D.: GBH41622

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	126	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	105	97.6	96.8	22.5	22.3	0.9	70 - 130	20
Heptane	ND	ND	99	54.9	55.7	13.4	13.6	1.5	70 - 130	20
Hexachlorobutadiene	ND	ND	85	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	100	41.9	40.9	11.9	11.6	2.6	70 - 130	20
Isopropylalcohol	ND	ND	100	4.10	4.08	1.67	1.66	0.6	70 - 130	20
Isopropylbenzene	ND	ND	106	4.72	4.72	0.960	0.960	0.0	70 - 130	20
m,p-Xylene	ND	ND	107	279	281	64.4	64.8	0.6	70 - 130	20
Methyl Ethyl Ketone	ND	ND	108	607	601	206	204	1.0	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	88	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	84	1.94	1.18	0.560	0.340	48.9	70 - 130	20
n-Butylbenzene	ND	ND	115	2.47	2.52	0.450	0.460	2.2	70 - 130	20
o-Xylene	ND	ND	102	84.6	85.0	19.5	19.6	0.5	70 - 130	20
Propylene	ND	ND	107	9.22	9.18	5.36	5.34	0.4	70 - 130	20
sec-Butylbenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	112	1.28	1.28	0.300	0.300	0.0	70 - 130	20
Tetrachloroethene	ND	ND	108	36.1	36.2	5.32	5.34	0.4	70 - 130	20
Tetrahydrofuran	ND	ND	115	887	881	301	299	0.7	70 - 130	20
Toluene	ND	ND	104	360	358	95.7	95.2	0.5	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	118	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	101	2.90	2.79	0.540	0.520	3.8	70 - 130	20
Trichlorofluoromethane	ND	ND	93	24.2	23.4	4.31	4.16	3.5	70 - 130	20
Trichlorotrifluoroethane	ND	ND	92	2.07	1.99	0.270	0.260	3.8	70 - 130	20
Vinyl Chloride	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	113	113	104	105	101	105	101	3.9	70 - 130	20

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

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

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

Phyllis Shiller, Laboratory Director
November 19, 2014

Sample Criteria Exceedences Report

GBH41622 - GEICONS

Criteria: NY: DOH

State: NY

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.

PHOENIX Environmental Laboratories, Inc.

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CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Page of

Data Delivery:
- ☐ Fax #:
- ☐ Email:
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Report to: AJAROSZEWSKI@GEICONSULTANTS.COM MQUINLAN@GEICONSULTANTS.COM

Customer: GEI

Address: 110 WALT WHITMAN ROAD, SUITE 201
HUNTING STATION, NY 11746

Invoice to: GEI CONSULTANTS INC.
400 UNICORN PARK DRIVE
WOBURN, MA / AJAROSZEWSKI@GEICONSULTANTS.COM

Sampled by: MIKE QUINLAN

Project Name: 141228-0 / 34-22 35th St. ASTORIA, NY

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	
41622	GP7 (SG-3)	482	6.0	-30	-2	4986	41.7	1336	1542	11/13/14	-27.5	-3		X			X
41623	GP6 (SG-1)	12855	6.0	-30	-1	4976	↓	1335	1539	11/13/14	-30	-4		X			X
41624	SG DUP	468	6.0	-30	-2	5030	↓	—	—	11/13/14	-29	-4.5		X			X
41625	GP4 (SG-2)	13645	6.0	-30	-2	5209	↓	1337	1540	11/13/14	-29	-4		X			X
	6L 2hrs																

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/14/14	1220
[signature]	Monica [signature]	11/14/14	15:08

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
* 1 WEEK TURNAROUND TIME
COMPARE TO NYSDOH FINAL GUIDANCE FOR SV INTRUSION METRICES (2006)

Requested Criteria
VOLS USEPA TO-15

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: 11/14/14