



G. C. ENVIRONMENTAL, INC.

CONSULTANTS CONTRACTORS

**LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
DECEMBER 2014**

**8-01 26th Avenue
Blocks: 908 & Portion of Lot 12
Astoria, New York 11102**



Prepared for:
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Long Island City, NY 11101**

GCE Project No: 14-076-00



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SITE ASSESSMENT**

OF

**8-01 26TH AVENUE
BLOCK: 908 & PORTION OF LOT 12
ASTORIA, NEW YORK 11102**

PREPARED FOR:

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DATE ISSUED: DECEMBER 10, 2014

GCE PROJECT NUMBER: 14-076-00



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The environmental assessment described herein was conducted by and/or under the supervision of the undersigned, of G. C. Environmental, Inc. (GCE). GCE's investigation consisted solely of the activities described in the Introduction of this report, in accordance with Proposal Number 14087, and is subject to the Limitations and Service Constraints provided in Appendix D and the Consulting Services Agreement signed prior to initiation of the assessment.

Prepared By:

12/10/2014

Fulya Toylular
Project Manager

Date

Report Reviewed and Approved By:

12/10/2014

Gregory A. Collins
President

Date



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LIST OF ACRONYMS USED IN THIS DOCUMENT

ASTM	American Society for Testing Materials
ACM	Asbestos Containing Material
B/Ns	Base Neutrals
DOT	Department of Transportation
EDR	Environmental Data Resources
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
GCE	G. C. Environmental, Inc
GPR	Ground Penetrating Radar
LBP	Lead Based Paint
NELAP	National Environmental Laboratory Accreditation
NYSDEC	New York State Department of Environmental Conservation
NYCDEP	New York City Department of Environmental Protection
ug/m ³ , mcg/m ³	Microgram per Cubic meter
NYSDOH	New York State Department of Health
NYCRR	New York Code of Rules and Regulations
OER	Office of Environmental Remediation
OSHA	Occupational Health & Safety Administration
ORP	Oxidation Reduction Potential
pH	Hydrogen Ion Concentration
PCBs	Polychlorinated Biphenyls
PID	Photoionization Detector
PCE	Perchloroethylene (Tetrachloroethylene)
RAWP	Remedial Action Work Plan
RAR	Remedial Action Report
REC	Recognized Environmental Condition
SCG's	Standards, Criteria and Guidance
SCR	Site Characterization Report
SVOCs	Semi Volatile Organic Compounds
TAL	Target Analyte List
TCE	Trichloroethylene
TCA	Trichloroethane
TOGS	Technical and Operational Guidance Series
USGS	US Geological Survey
UST	Underground Storage Tank
VOC's	Volatile Organic Compounds
QA	Quality Assurance
QC	Quality Control

1.0 INTRODUCTION

This report presents the findings of a Limited Phase II Environmental Site Assessment of the Property located at 8-01 26th Avenue, Block: 908 & Portion of lot 12, Astoria, New York (Site), conducted by G. C. Environmental, Inc. (GCE) in accordance with the Consulting Services Agreement signed prior to initiation of the assessment and the ASTM E 1527-13 Standards.

1.1 Purpose

The purpose of this Limited Phase II Environmental Site Assessment (Phase II ESA) is to determine, through subsurface soil and groundwater sampling, if potential contamination associated with the areas of environmental concern identified in the Prior Phase I Environmental Site Assessment report for the Site, prepared by G. C. Environmental, Inc. (GCE) dated July 29, 2013 (Phase I ESA Report), have environmentally impacted the Site and to offer conclusions and recommendations for further investigation and corrective action, if warranted.

1.2 Site Background

The Site is located in the Astoria section of Queens, New York and is identified as Block 908 & Portion of Lot 12, on the New York City Tax Map. Figure 1 is a Site Location map.

The Site location consists of approximately 36,580 sq. ft, located on the southeastern portion of the Site and is a vacant lot utilized for storage of trailers, trucks, etc.

1.3 Previous Environmental Reports

G. C. Environmental, Inc, Phase I report for the Site outlined the presence of the following Recognized Environmental Conditions (REC):

REC1: According to the Environmental Data Resources Report (EDR) dated July 16, 2013, Parcel 5 is included in “Underground Storage Tank (UST)” and “Historical Underground Storage Tank (HIST UST)” listings. The UST and HIST UST database listed the Parcel 5 property as “Superior Steel Studs Inc” located at 4-57 26th Avenue, Astoria, New York. According to the New York State Department of Environmental Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database Parcel 5 was listed as Superior Steel Studs Inc with PBS No. 2-305383, under 4-27 26th Avenue, Astoria, New York. No additional information is available for GCE’s review. According to UST & HIST UST database and NYSDEC PBS database, one (1) 4,000 gallon fuel oil UST was administratively closed at the property in 1996. No additional documentation was available for GCE’s review. The Parcel 5 property status listed under UST and HIST UST database is considered to be a *recognized environmental condition*.

2.0 INVESTIGATION FIELD ACTIVITIES

Site History

According to available information from Environmental Data Resources, Inc. (EDR), Aerial Maps, EDR City Directory, and an interview with Mr. Christopher Giovanni (representative of the site), the site was historically vacant and used for utilized for storage of trailers, trucks etc.

According to EDR Environmental Lien Search report and interview with Mr. Christopher Giovanni representative of the property owner, the owner of the property is identified as Superior Steel Studs Inc, 4-57 26th Avenue, Astoria, Queens, New York 11102.

Work Performed

On October 23, 2014 GCE performed a Geophysical Survey on the Property with the purpose of locating suspect Underground Storage Tanks (UST) that was identified in prior Phase I report.

Approach of the GPR survey:

- GCE and staff initiated the setup and data collection activities.
- Mr. Altimar provided the site access.
- GCE performed the Geophysical Survey utilizing Grand Penetration Radar (GPR) with a 350 MHz GPR antenna, magnetic locator and CAT radio detector.
- Areas of the site had limited access due to parked trailers on the site that were unable to be moved.

Findings and Results of GPR Survey

On October 23, 2014, On Point Locating, subcontractor of GCE was onsite to perform the geophysical survey (field investigations) on the subject Property, under the supervision of GCE. On Point Locating performed survey with 350 MHz GPR antenna. As part of the investigation, the GPR equipment (electromagnetic waves) is passed (walked) throughout the Property and identified for any reflected data in their path. The reflected wave data is retrieved and interpreted by GPR technician. The GPR field investigations revealed the presence of suspected anomaly on the Property. Analysis of the acquired GPR data showed that the 350MHz antenna provided reasonable data to a depth of 6-8 feet. The magnetic locator, dowsing rods and radio detector also identified the same location as GPR related to the suspect UST. The identified locations were marked with yellow paint. Below are the findings of the GPR field activities:

Suspected UST - GPR survey identified a suspected anomaly on the northeastern portion of the Property, suspected to be former UST.

2.1 Subsurface Investigation

Pursuant to the above recommendations for REC 1, dated July 29, 2013, GCE advanced five (5) soil borings (SB-1 to SB-5) to a depth of approximately fifteen (15) feet on the Property. Additionally the two (2) soil borings (SB-1 - SB-2) were advanced for ground water (GW-1 - GW-2) to a depth of approximately twenty eight (28) feet. The soil borings were advanced mechanically by Geoprobe in order to determine if the soil and groundwater at the Property had been impacted by the areas of environmental concern identified in the Phase I Report. Prior to commencement of the work, GCE arranged for a private underground utility mark out (Geophysical Investigation) to be performed at the Site. The selection of the boring locations was based on the areas of environmental concern, accessibility of the site, redevelopment building foot print, on-site conditions, and the locations of private underground utilities/GPR survey.

(Please refer to the enclosed Figure 2 for the Boring Location Plan and Figure 4 for GPR Job Site Sketch).

A total of five (5) soil borings (SB-1 to SB-5) were advanced throughout the Property, the following is a written delineation of the locations in which those borings were advanced. Soil boring SB-1 was advanced on the southern portion of the lot. Soil boring SB-2 was advanced on the northern portion of the lot, to the north east side of SB-1. Soil boring SB-3 was advanced on the southeastern portion of the lot, east side of SB-1. Soil boring SB-4 was advanced on the northeastern portion of the lot, north side of SB-3. Soil boring SB-5 was advanced on the northern portion of the lot, adjacent to the north side of SB-1. Soil borings SB-1 and SB-2 were converted into temporary monitoring wells and groundwater samples were collected.

(Please refer to the enclosed Figure 2 for the Boring Location Plan.)

Soil Sampling

All the borings were advanced utilizing a Geoprobe sampler, and were terminated at a depth of approximately fifteen (15) feet below grade. Subsurface soil samples were collected at intervals (indicated in the table included below) until the desired depth was encountered. The soil samples were visually classified and logged by the onsite GCE geologist for soil characterization purposes. PID readings were all found to be 0.0 ppm. Laboratory obtained glassware was used for the soil samples and consisted of the following:

- Volatile Organic Compounds (VOCs) – one (1) 4-ounce glass jar equipped with Teflon lined closure per sample and three (3) 40 ml vials with water and preserved with methanol with teflon lined closure per sample
- Semi-Volatile Organic Compounds/Base Neutrals (B/Ns) - one (1) 4-ounce glass jar equipped with a teflon lined closure per sample.
- Pesticides - one of one (1) 4-ounce glass jar equipped with teflon lined closure per sample.
- PCB - one of one (1) 4-ounce glass jar equipped with a teflon lined closure per sample.
- Target Analyte Metals (TAL) - one (1) 4-ounce glass jar equipped with a teflon lined closure per sample.

Soil samples from the borings were placed into glass containers equipped with Teflon lined closure. The quantity of soil/sludge was split as follows: the head space of the 4-ounce glass container was allowed to develop and was subsequently field screened for the presence of total VOCs using MultiRAE systems portable photoionization detector (PID) with a 10.6 e.V. lamp, calibrated for isobutylene standards. The following soil/groundwater/soil vapor samples were collected:

Sample ID	<u>Sample Type</u>	<u>Depth, Feet below grade</u>	<u>PID Readings, parts per million (ppm)</u>
SB-1	Soil	0-2	0.0
SB-1	Soil	13-15	0.0
SB-2	Soil	0-2	0.0
SB-2	Soil	13-15	0.0
SB-3	Soil	0-2	0.0
SB-3	Soil	13-15	0.0
SB-4	Soil	0-2	0.0
SB-4	Soil	13-15	0.0
SB-5	Soil	0-2	0.0
SB-5	Soil	13-15	0.0
GW-1	GW	26-28	0.0
GW-2	GW	26-28	0.0
SV-1	SV	7	0.0
SV-2	SV	7	0.0
SV-3	SV	7	0.0
SV-4	SV	7	0.0
SV-5	SV	7	0.0

(Please refer to the Soil Boring Logs included in Appendix B.)

The following samples were collected and submitted for lab analysis: Soil samples were collected from SB-1, SB-2, SB-3, SB-4 and SB-5 locations (field logged as: SB-1 (0-2), SB-1 (13-15); SB-2 (0-2), SB-2 (13-15); SB-3 (0-2), SB-3 (13-15); SB-4 (0-2), SB-4 (13-15); and SB-5 (0-2), SB-5 (13-15); Groundwater samples collected from GW-1 location (field logged as “GW-1”); and Groundwater sample collected from GW-2 location (field logged as “GW-2”). A total of twelve (12) samples (ten (10) soil and two (2) groundwater samples) were collected from the above borings and submitted under a chain-of-custody protocol to the Phoenix Environmental Laboratories (PEL), a New York State ELAP-approved laboratory.

The following table shows the soil samples submitted for lab analysis, sample IDs, sample collected depth and visual/olfactory contamination.

Phoenix Sample ID	<u>Field Logged</u>	<u>Collected Sample Depth, Feet bgs</u>	<u>Visual/Olfactory contamination</u>
BH 33875	SB-1	0-2	No
BH 33876	SB-2	0-2	No
BH 33877	SB-3	0-2	No
BH 33878	SB-4	0-2	No
BH 33879	SB-5	0-2	No
BH 33880	SB-1	13-15	No
BH 33881	SB-2	13-15	No
BH 33882	SB-3	13-15	No
BH 33883	SB-4	13-15	No
BH 33884	SB-5	13-15	No

Soil samples collected from the above table were analyzed for the presence of VOCs using EPA Method 8260, B/Ns using EPA Method 8270, PCBs using EPA Method 8082, Pesticides using EPA Method 8082 and TAL Metals using EPA Method 6010/7000. Additionally, surface soil samples from 0-6 inches from two (2) of the above borings was analyzed for the presence of full list of SVOCs.

2.2 Groundwater Sampling

On October 23, 2014, two (2) groundwater samples were collected from boring locations SB-1 and SB-2 at a depth of approximately twenty eight (28) feet below grade (field logged as GW-1 and GW-2). Ground water was encountered at approximately twenty six (26) feet below grade surface. No visual/olfactory contamination was found in GW-1 & GW-2 locations. Laboratory obtained glassware was used for the groundwater samples and consisted of the following:

- Volatile Organic Compounds (VOCs) - three (3) 40 ml vials preserved with HCL equipped with teflon lined closure per sample;
- Semi-Volatile Organic Compounds Base Neutrals (B/Ns) - one (1) 1000 ml amber glass jar equipped with a teflon lined closure per sample;
- Polychlorinated Bi-phenols (PCBs) - one (1) 1000 ml amber glass jar equipped with a teflon lined closure per sample and,
- Pesticides - one (1) 1000 ml amber glass jar equipped with a teflon lined closure per sample and,
- Target Analyte Metals filtered - one (1) 250 ml plastic bottle no preservative
- Target Analyte Metals unfiltered - one (1) 250 ml plastic with the HNO3
- Polychlorinated Bi-phenols (PCBs) - one (1) 1000 ml amber glass jar with the preservative H2SO4 equipped with a teflon lined closure per sample .

The following table shows the groundwater samples submitted to lab analysis, sample IDs, sample collected depth and visual/olfactory contamination.

Phoenix Sample ID	<u>Field Logged</u>	<u>Collected Sample Depth, Feet bgs</u>	<u>Visual/Olfactory contamination</u>
BH 33873	GW-1	26-28	No
BH 33874	GW-2	26-28	No

The groundwater samples were logged and transferred under a chain-of-custody protocol to PEL, a New York State ELAP-approved laboratory. Groundwater samples collected from GW-1 and GW-2 were analyzed for the presence of VOCs using EPA Method 8260, B/Ns using EPA Method 8270, PCBs using EPA Method 8082, Pesticides using EPA Method 8081 and TAL Metals using EPA Method 6010/7000.

Soil Vapor Installation/Sampling

GCE installed five (5) soil vapor probes (SV-1, SV-2, SV-3, SV-4 and SV-5) in the same locations of soil borings SB-1 to SB-5. All soil vapor probe installations were performed in accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (NYSDOH Guidance).

The soil vapor probe implants were installed by boring through the surface cover (asphalt) with a direct-push drill rig (e.g. Geoprobe) to a depth of approximately seven (7) feet below ground surface (bgs). A vapor probe attached to inert tubing (e.g., polyethylene) was inserted at each vapor sample location and the annulus around the probe and tubing was filled to two feet above the sampling point with inert sand. The vapor probe was then sealed above the sampling zone with bentonite slurry. The remainder of the borehole was backfilled with sand or non-impacted backfill as needed.

After installation of the sub-slab soil vapor and soil vapor probes and prior to sample collection, up to three volumes (volume of the sample probe and tube) was purged. A helium tracer gas was utilized as a QA/QC measure to verify the integrity of the surface seal, to ensure that the soil vapor sampling point was properly sealed and ambient air did not infiltrate the sample. Prior to sample collection, the soil vapor was screened for total organic vapors with a hand-held PID. All samples were collected in Summa canisters, certified clean (batch certification) by the laboratory. Flow rate of both purging and sampling did not exceed 0.2 liters per minute (L/min). Sampling duration was for six (6) hours. A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, approximate soil vapor purge volumes, approximate volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain of custody protocols. Following sample collection, the in-hole sampling materials were removed and the sampling points were backfilled to grade with soil cuttings and sand. The core holes were restored to original grade with surface material compatible with the existing surface.

Phoenix Sample ID	<u>Field Logged</u>	<u>Collected Sample Depth, Feet bgs</u>	<u>Visual/Olfactory contamination</u>
BH 33287	SV-1	7	No
BH 33288	SV-2	7	No
BH 33289	SV-3	7	No
BH 33290	SV-4	7	No
BH 33291	SV-5	7	No

All samples were analyzed by Phoenix Environmental Laboratory, Inc., an NYSDOH ELAP-certified lab, for VOCs per EPA Method TO-15.

2.3 Summary of Investigated Recognized Environmental Conditions

The one (1) *Recognized Environmental Conditions* (REC) identified in the Phase I ESA report were addressed as follows:

REC 1: Investigated through GPR survey and borings SB-1 thru SB-5, GW-1, GW-2 and SV-1 thru SV-5;

2.4 Quality Assurance/Quality Control Program

This section provides information on the Site specific quality assurance/quality control program.

Soil sampling

All drilling equipment utilized in boring advancement was steam cleaned prior to initial use. All metal parts of the Geoprobe sampler were cleaned using mechanical and chemical cleaning procedures, which consisted of brushing and sweeping off loose dirt followed by detergent washing and potable water rinsing. Soil samples were collected using disposable polyethylene sleeves. Soil samples were transferred into the appropriate containers using dedicated disposable latex gloves.

Chain-of-custody protocols were maintained from sample collection to delivery to the laboratory. Field information was recorded in field report and sampling log sheets. Full documentation was made as to the location and depth of all samples collected. Each sample was labeled with GCE's project number, site name and address, the sample location and depth interval, the date and time, the initials of the sampler, and the requested analysis.

Groundwater Sampling

The depth of the groundwater is measured using an electronic interface meter and groundwater sample was collected by pumping through the use of a half (1/2)-inch diameter disposable polyethylene tubing.

All groundwater samples were carefully packed and placed in a laboratory-supplied cooler with sufficient ice packs to maintain the sample temperature at 4⁰ C at all times during shipping to the laboratory.

Chain-of-custody protocols were maintained from sample collection to delivery to the laboratory. Field information was recorded in field reports and sampling log sheets. Full documentation was made as to the location and depth of all samples collected. Each sample was labeled with GCE's project number, site name, address, sample location, depth interval, date, time, the initials of the sampler and the requested analysis.

Air Sampling

Extreme care was taken during all aspects of sample collection to ensure that sampling error was minimized and high quality data was obtained. The sampling

team members avoided actions (e.g. fueling vehicles, using permanent marking pens, and wearing freshly dry-cleaned clothing or personal fragrances), which could have caused sample interference in the field. Appropriate QA/QC protocols were followed for sample collection and laboratory analysis.

Field QA/QC Samples

Field QA/QC samples were collected, stored, transported and analyzed in a manner consistent with the Site samples.

Trip blanks were not collected, because it was not possible to duplicate round-trip shipping conditions with a single trip blank since sample canisters were shipped from the lab under vacuum pressure and returned to the lab at or close to ambient pressure.

3.0 PHYSICAL CHARACTERISTICS OF THE SITE

3.1 Site Topography

According to the Central Park, New York Quadrangle USGS Topographic Map (1995), the property lies at an elevation of approximately 35 feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The surface topography at the Site and surrounding area is relatively flat with a downward slope to the south. Please refer to Figure 3 for the USGS Topographic Map.

3.2 Geology and Hydrogeology

3.2.1 Regional Geology and Hydrogeology

According to the Hydrogeologic Framework of Long Island, New York, U.S. Geological Survey, 1989, the geology in the area of the Site consists of approximately 100 feet of glacial deposits composed of clay, sand, gravel and boulders, which form the Upper Glacial Aquifer, underlain by bedrock consisting of crystalline metamorphic and igneous rocks.

3.2.2 Site Geology

Based on the information gathered during the Phase II Environmental Site Assessment, the geology in the area of the Property to the explored maximum depth of approximately 28 feet below grade consists of approximately 1 to 2 feet of fill, represented by asphalt, underlain by approximately 8-9 feet of brown clay and 18 feet of yellow-brown clay material with little gravel and sand.

3.2.3 Site Hydrogeology

Based on the USGS Potentiometric Water Table on Long Island New York, March-April 1984, regional groundwater flow direction in the area of the Site could be inferred to be to the north of the site and depth to groundwater in the vicinity of the site is approximately 40 feet below grade. More localized ground water gradient appears to trend more directly east, with a slight southerly component, due to local water features.

Based on Phase II investigation field activities, groundwater is found at a depth of approximately 28 feet bgs.

3.3 Sensitive Environmental Receptors

According to the 1980 U.S. Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory Map for Central Park, New York – New Jersey Quadrangle, the nearest designated wetlands is Pot Cove, an inlet of the East River, located adjacent to the north-northwest of the Site which is designated as Estuarine, Subtidal, Open Water, Subtidal (E1OWL). According to the 1975 New York State Department of Environmental Conservation (DEC) Freshwater Wetlands Map for Central Park, Queens County, New York Quadrangle, “there are New York wetlands on this map within this county that are regulated under the Freshwater Wetlands Act.”

4.0 LABORATORY ANALYTICAL RESULTS

Standards/Regulations

The soil sampling results from the boring locations were compared to NYSDEC CP-51 Soil Cleanup Guidance Policy and NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards and NYSDEC Part 375-6.8 (b) Restricted Industrial Soil Clean up Regulatory Standards.

The Groundwater results were compared to *New York State Department of Environmental Conservation (NYSDEC)-Technical & Operational Guidance Series (TOGS) Ambient Water Quality Standards*.

The Soil Vapor results were compared according to *Environmental Protection Agency (EPA) Air Toxics Monitoring Method (TO -15)*.

Laboratory analysis of the soil/ groundwater/soil vapor samples indicates the following:

Soil Sampling Results

SB-1 (0-2 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.46 mg/kg), Chromium (32.3 mg/kg), Copper (27.5 mg/kg), Iron (24,200 mg/kg), Nickel (20.8 mg/kg) and Zinc (45.4 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium (0.46 mg/kg) and Chromium (32.3 mg/kg) were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium, 30 mg/kg for Chromium in SB-1 sample.

SB-1 (13-15 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.53 mg/kg), Chromium (29.9 mg/kg), Iron (22,400 mg/kg), Nickel (23.9 mg/kg) and Zinc (55.6 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc in SB-1 sample.

SB-2 (0-2 ft)

TAL Metals

The concentration of TAL Metals namely Iron (8,240 mg/kg) and Zinc (101 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 2,000 mg/kg for Iron and 20 mg/kg for Zinc in SB-2 sample.

SB-2 (13-15 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.51 mg/kg), Chromium (37.9 mg/kg), Copper (37 mg/kg), Iron (25,800 mg/kg), Nickel (24.1 mg/kg) and Zinc (73.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (37.9) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-2 sample.

SB-3 (0-2 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.57 mg/kg), Chromium (24.7 mg/kg), Iron (23,800 mg/kg), Mercury (0.34 mg/kg), Nickel (14.1 mg/kg) and Zinc (43.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of

0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 0.1 mg/kg for Mercury, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Mercury (0.34 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 0.18 mg/kg in SB-3 sample.

SB-3 (13-15 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.72 mg/kg), Chromium (30.9 mg/kg), Copper (29.1 mg/kg), Iron (26,200 mg/kg), Nickel (25.1 mg/kg) and Zinc (63.2 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (30.9) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-3 sample.

SB-4 (0-2 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.33 mg/kg), Chromium (20.5 mg/kg), Iron (14,000 mg/kg), Nickel (14.6 mg/kg) and Zinc (43.4 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium (0.33 mg/kg) and Chromium (20.5 mg/kg) were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium 30 mg/kg for Chromium in SB-4 sample.

SB-4 (13-15 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.49 mg/kg), Chromium (43.3 mg/kg), Copper (30.7 mg/kg), Iron (25,600 mg/kg), Nickel (21.4 mg/kg) and Zinc (60.6 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (43.3 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-4 sample.

SB-5(0-2 ft)

TAL Metals

The concentration of TAL Metals namely Beryllium (0.33 mg/kg), Chromium (26.8 mg/kg), Iron (18,200 mg/kg), Nickel (20.5 mg/kg) and Zinc (45.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium (0.33 mg/kg) and Chromium (26.8 mg/kg) were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium, 30 mg/kg for Chromium in SB-5 sample.

SB-5 (13-15 ft)

VOCs

The concentration of VOCs namely Acetone (0.18 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 0.05 mg/kg in SB-5 sample .

TAL Metals

The concentration of TAL Metals namely Beryllium (0.53 mg/kg), Chromium (38.8 mg/kg), Copper (34.2 mg/kg), Iron (26,300 mg/kg), Nickel (25.7 mg/kg) and Zinc (67.2 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (38.8 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-5 sample.

VOCs ,SVOCs, PCBs, Pesticides and TAL Metals in SB-1 through SB-5 (0-2 & 13-15 ft) were either not detected or detected at trace levels or detected below the NYSDEC CP-51 Soil Cleanup Guidance Policy, NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards and NYSDEC Part 375-6.8 (b) Restricted Industrial Soil Clean up Regulatory Standards.

(Please refer to Tables 1 for Summary of Detected Compounds –Soil and Laboratory Analytical Report attached in Appendix C.)

Groundwater Sampling Results

GW-1

SVOCs

The concentration of SVOCs namely Benz (a) anthracene (0.00003 mg/l) and Chrysene (0.00002 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.000002 mg/l for Benz (a) anthracene and 0.000002 mg/l for Chrysene in SB-1 GW-1 sample.

TAL Metals (Unfiltered)

The concentration of TAL Metals (Unfiltered) namely Aluminum (246 mg/l), Barium (4.2 mg/l), Beryllium (0.007mg/l), Chromium (0.6mg/l), Copper (1.13mg/l), Iron (462mg/l), Magnesium (413mg/l), Manganese (13.7mg/l), Nickel (0.627mg/l), Sodium (117 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum and Barium, 0.003mg/l for Beryllium, 0.05 mg/l for Chromium, 0.2 mg/l for Copper, 0.3mg/l for Iron and Manganese, 35 mg/l for Magnesium, 0.1 mg/l for Nickel and 20 mg/l for Sodium in SB-1 GW-1 sample.

TAL Metals (Dissolved/Filtered)

The concentration of the TAL Metals namely Aluminum (Dissolved) (0.17 mg/l), Magnesium (Dissolved) (44.8mg/l), Manganese (Dissolved) (0.721mg/l), Sodium (Dissolved) (96.6 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum (Dissolved), 35 mg/l for Magnesium (Dissolved), 0.3 mg/l for Manganese (Dissolved) and 20 mg/l for Sodium (Dissolved) in SB-1 GW-1 sample.

The VOCs, SVOCs, PCBs, Pesticides and TAL Metals in GW-1 other than the listed above were either not detected or detected at trace levels or detected below NYSDEC-TOGS Ambient Water Quality Standards in SB-1 GW-1 sample.

(Please refer to Table 2 for Summary of Detected Compounds -Groundwater/Discharge and Laboratory Analytical Report attached in Appendix C.)

GW-2SVOCs

The concentration of the SVOCs namely Benz (a)anthracene (0.00002 mg/l) was detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.000002 mg/l for Benz (a) anthracene in SB-2 GW-2 sample.

Miscellaneous/ Inorganics

The concentration of the Miscellaneous/Inorganics namely Chloride (260 mg/l) was detected above NYSDEC-TOGS Ambient Water Quality Standards of 250 mg/l for Chloride in SB-2 GW-2 sample.

TAL Metals/Discharge

The concentration of the TAL Metals/Discharge namely Copper (0.493 mg/l), Lead (0.043 mg/l) and Nickel (0.202 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.2 mg/l for Copper mg/l, 0.025 mg/l for Lead and 0.1mg/l for Nickel in SB-2 GW-2 sample.

TAL Metals (Unfiltered)

The concentration of the TAL Metals namely Aluminum (109 mg/l), Barium (2.05 mg/l), Beryllium (0.006 mg/l), Chromium (0.25 mg/l), Copper (0.532 mg/l), Iron (188 mg/l), Magnesium (1,860), Manganese (6.97 mg/l), Nickel (0.25 mg/l), Sodium (64.6 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 ug/l for Aluminum and Barium, 0.003 ug/l for Beryllium, 0.05 ug/l for Chromium, 0.2 ug/l for Copper, 0.3 mg/l for Iron and Manganese, 35 mg/l for Magnesium, 0.1 mg/l for Nickel, 20 mg/l for Sodium in SB-2 GW-2 sample.

TAL Metals (Dissolved/Filtered)

The concentration of the TAL Metals namely Aluminum (Dissolved) (0.35 mg/l), Iron (Dissolved) (0.398 mg/l), Sodium (Dissolved) (62.5 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum, 0.3 mg/l for Iron, and 20 mg/l for Sodium in SB-2 GW-2 sample.

The VOCs, SVOCs, PCBs, Pesticide, TAL Metals, Volatiles and B/Ns in GW-2 other than the listed above were either not detected or detected at trace levels or detected below NYSDEC-TOGS Ambient Water Quality Standards in SB-2 GW-2 sample.

(Please refer to Table 2 for Summary of Detected Compounds-Groundwater/Discharge and Laboratory Analytical Report attached in Appendix C.)

Soil Vapor Sampling Results**SB-1 Soil Vapor 1**

BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) compounds namely Toluene (3.2 mcg/m³) and Xylenes (3.34 mcg/m³) (microgram per cubic meter (mcg/m³)) were detected in the SB-1 Soil Vapor 1 sample.

Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (11.5 mcg/m³) and 1,1,1-Trichloroethane (496 mcg/m³) were detected in the sub-slab soil vapor sample SB-1 Soil Vapor 1.

(Please refer the Table 3: The Summary of the Detected Compounds – Soil Vapor for the detected compounds other than the listed above.)

SB-2 Soil Vapor 2

BTEX compounds namely Benzene (1.12 mcg/m³), Toluene (10.6 mcg/m³), Ethylbenzene (3.21mcg/m³) and Xylenes (19.26 mcg/m³) were detected in the SB-2 Soil Vapor 2 sample.

Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (32.4 mcg/m³), Trichloroethene (TCE) (62.4 mcg/m³) and 1,1,1-Trichloroethane (2,390 mcg/m³) were detected in the sub-slab soil vapor sample SB-2 Soil Vapor 2 sample.

(Please refer the Table 3: The Summary of the Detected Compounds – Soil Vapor for the detected compounds other than the listed above.)

SB-3 Soil Vapor 3

BTEX compounds namely Benzene (4.09 mcg/m³), Toluene (13.8 mcg/m³), Ethylbenzene (8.85 mcg/m³) and Xylenes (52.8 mcg/m³) were detected in the SB-3 Soil Vapor 3 sample.

Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely 1,1,1-Trichloroethane (354 mcg/m³) detected in the sub-slab soil vapor sample SB-3 Soil Vapor 3 sample.

(Please refer the Table 3: The Summary of the Detected Compounds – Soil Vapor for the detected compounds other than the listed above.)

SB-4 Soil Vapor 4

BTEX compounds namely Toluene (8.36 mcg/m³), Ethylbenzene (1.95 mcg/m³) and Xylenes (13.17 mcg/m³) were detected in SB-4 Soil Vapor 4 sample.

Concentrations of Chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (10.2 mcg/m³), Trichloroethene (TCE) (5.75 mcg/m³), and 1,1,1-Trichloroethane (1,180 mcg/m³) were detected in the sub-slab soil vapor sample SB-4 Soil Vapor 4 sample.

(Please refer the Table 3: The Summary of the Detected Compounds – Soil Vapor for the detected compounds other than the listed above.)

SB-5 Soil Vapor 5

BTEX compounds namely Toluene (5.05 mcg/m³), Ethylbenzene (1.34 mcg/m³) and Xylenes (7.85 mcg/m³) were detected in the SB-5 Soil Vapor 5 sample.

Concentrations of chlorinated VOCs as listed in table 3.3 of the soil NYSDOH vapor intrusion guidance, namely Tetrachloroethene (PCE) (21 mcg/m³), Trichloroethene (TCE) (15.1 mcg/m³), and 1,1,1-Trichloroethane (987 mcg/m³) were detected in the sub-slab soil vapor sample SB-5 Soil Vapor 5 sample.

(Please refer the Table 3: The Summary of the Detected Compounds – Soil Vapor for the detected compounds other than the listed above and Laboratory Analytical Report attached in Appendix C.)

Results Review-Soil Vapor

NYSDOH Standards/Guidance

According to the NYSDOH Guidance, New York State currently does not have any standards, criteria or guidance values for concentrations of compounds in soil vapor samples and recommends using NYSDOH Matrices that were developed for Trichloroethene (Matrix-1), Carbon tetrachloride (Matrix-1), 1,1,1 Trichloroethane (Matrix-2) and Tetrachloroethene (Matrix-2). The below summary of the four volatile chemicals are listed by referring the Table 3.3 of the New York State Department of Health (NYSDOH) Soil Vapor Intrusion Guidance.

GCE's review of the soil vapor laboratory analytical results and comparison with NYSDOH matrices indicates the following:

Trichloroethene (TCE) was detected above New York State Department of Health (NYSDOH) Standards of 5 mcg/m³ in the soil vapor samples SB-2 Soil Vapor 2 (62.3 mcg/m³), SB-4 Soil Vapor 4 (5.75 mcg/m³) and SB-5 Soil Vapor 5 (15.1 mcg/m³). Trichloroethene was detected below New York City Department of Health (NYSDOH) Standards of 5 mcg/m³ in the soil vapor samples SB-1 Soil Vapor 1 (3.54 mcg/m³) and SB-3 Soil Vapor 3 (1.4 mcg/m³) samples.

Carbon tetrachloride was either none detected or detected below New York State Department of Health (NYSDOH) Standards of 5 mcg/m³ in the soil vapor samples SB-1 Soil Vapor 1, SB-2 Soil Vapor 2 (0.314 mcg/m³), SB-3 Soil Vapor 3, SB-4 Soil Vapor 4 and SB-5 Soil Vapor 5 samples.

Tetrachloroethene (PCE) was detected below New York State Department of Health (NYSDOH) Standards of 100 mcg/m³ in the soil vapor samples SB-1 Soil Vapor 1 (11.5 mcg/m³), SB-2 Soil Vapor 2 (32.4 mcg/m³), SB-3 Soil Vapor 3 (3.93 mcg/m³), SB-4 Soil Vapor 4 (10.2 mcg/m³), SB-5 Soil Vapor 5 (21 mcg/m³) samples.

1,1,1-Trichloroethane was detected above New York City Department of Health (NYSDOH) Standards of 100 mcg/m³ in the soil vapor samples SB-1 Soil Vapor 1 (496 mcg/m³), SB-2 Soil Vapor 2 (2,390 mcg/m³), SB-3 Soil Vapor 3 (354 mcg/m³), SB-4 Soil Vapor 4 (1,180 mcg/m³) and SB-5 Soil Vapor 5 (987mcg/m³) samples.

(Please refer to Table 3 for Summary of Detected Compounds-Soil Vapor and Laboratory Analytical Report attached in Appendix C.)

5.0 SUMMARY OF FINDINGS AND RECOMMENDATIONS

5.1 Summary and Findings

On October 23, 2014, GCE performed a Geophysical Survey on the Property with the purpose of locating suspect Underground Storage Tanks (UST) that was identified in prior Phase I report.

Based on the GPR results for anomalies, GCE advanced one (1) soil borings in the area of the suspected anomaly (Anomaly 1) to a depth of ground water to determine a possible release associated with a suspect UST in the area of the anomaly. A boring could not be advanced in the area of the anomaly as a suspect tank may be present and advancing a boring could compromise the integrity of any underground structure/tank. It is recommended a test pit to be excavated in the area of the anomaly.

A total of five (5) soil borings (SB-1 to SB-5) to a depth of zero to two (0-2) feet and thirteen to fifteen (13-15) feet , two (2) ground water samples to a depth of twenty six to twenty eight (26-28) and five (5) soil vapor samples to a depth of seven (7) feet were advanced throughout the Property.

A total of ten (10) soil samples, two (2) groundwater samples and five (5) soil vapor samples were collected from the above borings and submitted under a chain-of-custody protocol to the Phoenix Environmental Laboratories, a New York State ELAP- approved laboratory.

Soil

- On October 23 & 24, 2014, GCE installed five (5) soil borings throughout the Property to depth of zero to two (0-2) feet and thirteen to fifteen (13-15) feet.
- No visual/olfactory contamination was found in SB-1 thru SB-5 (0-2 & 13-15 ft) locations.
- For SB-1 (0-2 ft): The concentration of TAL Metals namely Beryllium (0.46 mg/kg), Chromium (32.3 mg/kg), Copper (27.5 mg/kg), Iron (24,200 mg/kg), Nickel (20.8 mg/kg) and Zinc (45.4 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium and Chromium were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium, 30 mg/kg for Chromium in SB-1.
- For SB-1 (13-15 ft): The concentration of TAL Metals namely Beryllium (0.53 mg/kg), Chromium (29.9 mg/kg), Iron (24,200 mg/kg), Nickel (23.9 mg/kg) and Zinc (55.6 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc in SB-1 .

- For SB-2 (0-2 ft): The concentration of TAL Metals namely Iron (8,240 mg/kg) and Zinc (101 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 2,000 mg/kg for Iron and 20 mg/kg for Zinc in SB-2 .
- For SB-2 (13-15 ft): The concentration of TAL Metals namely Beryllium (0.51 mg/kg) Chromium (37.9 mg/kg), Copper (37 mg/kg), Iron (25,800 mg/kg), Nickel (24.1 mg/kg) and Zinc (73.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (37.9 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards 30 mg/kg in SB-2.
- For SB-3 (0-2 ft): The concentration of TAL Metals namely Beryllium (0.57 mg/kg), Chromium (24.7 mg/kg), Iron (23,800 mg/kg), Mercury (0.34 mg/kg), Nickel(14.1 mg/kg) and Zinc (43.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 0.1 mg/kg for Mercury , 13 mg/kg for Nickel and 20 mg/kg for Zinc. Mercury (0.34 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 0.18 mg/kg in SB-3.
- For SB-3 (13-15 ft): The concentration of TAL Metals namely Beryllium (0.72 mg/kg), Chromium (30.9 mg/kg), Copper (29.1 mg/kg), Iron (26,200 mg/kg), Nickel (25.1 mg/kg) and Zinc (63.2 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (30.9 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-3.
- For SB-4 (0-2 ft): The concentration of VOCs namely 1,1,1-Trichloroethane (0.57 mg/kg) was detected below NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 0.68 mg/kg and NYSDEC Part 375-6.8 (b) Restricted Industrial Soil Clean up Regulatory Standards of 1,000 mg/kg. The concentration of TAL Metals namely Beryllium (0.33 mg/kg), Chromium (20.5 mg/kg), Iron (14,000 mg/kg), Nickel (14.6 mg/kg) and Zinc (43.4 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium (0.33 mg/kg) and Chromium (20.5 mg/kg) were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium, 30 mg/kg for Chromium in SB-4.
- For SB-4 (13-15 ft): The concentration of TAL Metals namely Beryllium (0.49 mg/kg), Chromium (43.3 mg/kg), Copper (30.7 mg/kg), Iron (25,600 mg/kg), Nickel (21.4 mg/kg) and Zinc (60.6 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (43.3

mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-4.

- For SB-5 (0-2 ft): The concentration of TAL Metals namely Beryllium (0.33 mg/kg), Chromium (26.8 mg/kg), Iron (18,200 mg/kg), Nickel (20.5 mg/kg) and Zinc (45.8 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 2,000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Beryllium (0.33 mg/kg) and Chromium (26.8 mg/kg) were detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 7.2 mg/kg for Beryllium, 30 mg/kg for Chromium in SB-5.
- For SB-5 (13-15 ft): The concentration of VOCs namely Acetone (0.18 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 0.05 mg/kg. The concentration of TAL Metals namely Beryllium (0.53 mg/kg), Chromium (38.8 mg/kg), Copper (34.2 mg/kg), Iron (26,300 mg/kg), Nickel (25.7 mg/kg) and Zinc (67.2 mg/kg) were detected above NYSDEC CP-51 Soil Cleanup Guidance Policy of 0.16 mg/kg for Beryllium, 10 mg/kg for Chromium, 25 mg/kg for Copper, 2000 mg/kg for Iron, 13 mg/kg for Nickel and 20 mg/kg for Zinc. Chromium (38.8 mg/kg) was detected above NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards of 30 mg/kg in SB-5.
- VOCs, SVOCs, PCBs, Pesticides and TAL Metals in SB-1 through SB-5 (0-2 & 13-15 ft) other than the listed above were either not detected or detected at trace levels or detected below the NYSDEC CP-51 Soil Cleanup Guidance Policy, NYSDEC Part 375-6.8 (a) Unrestricted Soil Clean up Regulatory Standards and NYSDEC Part 375-6.8 (b) Restricted Industrial Soil Clean up Regulatory Standards

Ground Water

- On October 23, 2014, two (2) groundwater samples were collected throughout the Property at a depth of approximately twenty six to twenty eight (26-28) feet on the property.
- No visual/olfactory contamination was found in Groundwater 1 and Groundwater 2 locations.
- For GW1: The concentration of SVOCs namely Benz (a) anthracene (0.00003 mg/l) and Chrysene (0.00002 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.000002 mg/l for Benz (a) anthracene and 0.000002 mg/l for Chrysene in SB-1 GW-1 sample.
- The concentration of TAL Metals (Unfiltered) namely Aluminum (246 mg/l), Barium (4.2 mg/l), Beryllium (0.007mg/l), Chromium (0.6mg/l), Copper (1.13mg/l), Iron (462mg/l), Magnesium (413mg/l), Manganese (13.7mg/l), Nickel (0.627mg/l), Sodium (117 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum and Barium, 0.003mg/l for Beryllium, 0.05 mg/l for Chromium,

0.2 mg/l for Copper, 0.3mg/l for Iron and Manganese, 35 mg/l for Magnesium, 0.1 mg/l for Nickel and 20 mg/l for Sodium in SB-1 GW-1 sample.

- The concentration of the TAL Metals namely Aluminum (Dissolved) (0.17 mg/l), Magnesium (Dissolved) (44.8mg/l), Manganese (Dissolved) (0.721mg/l), Sodium (Dissolved) (96.6 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum (Dissolved), 35 mg/l for Magnesium (Dissolved), 0.3 mg/l for Manganese (Dissolved) and 20 mg/l for Sodium (Dissolved) in SB-1 GW-1 sample.
- The VOCs, SVOCs, PCBs, Pesticides and TAL Metals in GW-1 other than the listed above were either not detected or detected at trace levels or detected below NYSDEC-TOGS Ambient Water Quality Standards in SB-1 GW-1 sample.
- For GW-2: The concentration of the SVOCs namely Benz (a) anthracene (0.00002 mg/l) was detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.000002 mg/l for Benz (a) anthracene in SB-2 GW-2 sample.
- The concentration of the Miscellaneous/Inorganic namely Chloride (260 mg/l) was detected above NYSDEC-TOGS Ambient Water Quality Standards of 250 mg/l for Chloride in SB-2 GW-2 sample.
- The concentration of the TAL Metals/Discharge namely Copper (0.493 mg/l), Lead (0.043 mg/l) and Nickel (0.202 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.2 mg/l for Copper mg/l, 0.025 mg/l for Lead and 0.1mg/l for Nickel in SB-2 GW-2 sample.
- The concentration of the TAL Metals namely Aluminum (109 mg/l), Barium(2.5 mg/l), Beryllium (0.006 mg/l), Chromium (0.25 mg/l), Copper (0.532 mg/l), Iron (188 mg/l), Magnesium (1,860 mg/l), Manganese (6.97 mg/l), Nickel (0,25 mg/l), Sodium (64.6 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum and Barium, 0.003 mg/l for Beryllium, 0.05 mg/l for Chromium, 0.2 mg/l for Copper, 0.3 mg/l for Iron and Manganese, 35 mg/l for Magnesium, 0.1 mg/l for Nickel, 20 mg/l for Sodium in SB-2 GW-2 sample.
- The concentration of the TAL Metals namely Aluminum (Dissolved) (0.35 mg/l), Iron (Dissolved) (0.398 mg/l), Sodium (Dissolved) (62.5 mg/l) were detected above NYSDEC-TOGS Ambient Water Quality Standards of 0.1 mg/l for Aluminum and 0.3 mg/l for Iron in SB-2 GW-2 sample.
- The VOCs, SVOCs, PCBs, Pesticide, TAL Metals, Volatiles and B/Ns in GW-2 other than the listed above were either not detected or detected at trace levels or detected below NYSDEC-TOGS Ambient Water Quality Standards in SB-2 GW-2 sample.

Soil Vapor

- On November 03 & 11, 2014, GCE installed five (5) sub-slab vapor probes throughout the Property.
- Air samples collected were analyzed for the presence of Volatile Organic Compounds (VOCs) using EPA Method TO-15. All the samples were collected with SUMMA canisters with 6-hour collection periods with flow rates of approximately 0.2 liters per minute.
 - BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes) compounds namely Toluene (3.2 mcg/m³) and Xylenes (3.34 mcg/m³) (microgram per cubic meter (mcg/m³)) were detected in the SB-1 Soil Vapor 1 sample.
 - Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (11.5 mcg/m³) and 1,1,1-Trichloroethane (496 mcg/m³) were detected in the sub-slab soil vapor sample SB-1 Soil Vapor 1.
 - BTEX compounds namely Benzene (1.12 mcg/m³), Toluene (10.6 mcg/m³), Ethylbenzene (3.21mcg/m³) and Xylenes (19.26 mcg/m³) were detected in the SB-2 Soil Vapor 2 sample.
 - Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (32.4 mcg/m³), Trichloroethene (TCE) (62.4 mcg/m³) and 1,1,1-Trichloroethane (2,390 mcg/m³) were detected in the sub-slab soil vapor sample SB-2 Soil Vapor 2 sample.
 - BTEX compounds namely Benzene (4.09 mcg/m³), Toluene (13.8 mcg/m³), Ethylbenzene (8.85 mcg/m³) and Xylenes (52.8 mcg/m³) were detected in the SB-3 Soil Vapor 3 sample.
 - Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely 1,1,1-Trichloroethane (354 mcg/m³) detected in the sub-slab soil vapor sample SB-3 Soil Vapor 3 sample.
 - BTEX compounds namely Toluene (8.36 mcg/m³), Ethylbenzene (1.95 mcg/m³) and Xylenes (13.17 mcg/m³) were detected in SB-4 Soil Vapor 4 sample.
 - Concentrations of Chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (10.2 mcg/m³), Trichloroethene (TCE) (5.75 mcg/m³), and 1,1,1-Trichloroethane (1,180 mcg/m³) were detected in the sub-slab soil vapor sample SB-4 Soil Vapor 4 sample.

- BTEX compounds namely Toluene (5.05 mcg/m³), Ethylbenzene (1.34 mcg/m³) and Xylenes (7.85 mcg/m³) were detected in the SB-5 Soil Vapor 5 sample.
- Concentrations of chlorinated VOCs as listed in table 3.3 of the NYSDOH soil vapor intrusion guidance, namely Tetrachloroethene (PCE) (21 mcg/m³), Trichloroethene (TCE) (15.1 mcg/m³), and 1,1,1-Trichloroethane (987 mcg/m³) were detected in the sub-slab soil vapor sample SB-5 Soil Vapor 5 sample.

(Please refer to Table 1, Table 2 and Table 3 for Summary of Detected Compounds and Laboratory Analytical Report attached in Appendix C.)

5.2 Recommendations

Based on the above findings, GCE recommends the following:

- Based on the GPR results for anomalies, GCE recommends advancing a test pit to find out if there is an existing UST at the site.
- Based on the sub-slab soil vapor results, Monitor and/or Mitigation action will be required to minimize current or potential exposures associated with soil vapor intrusion for site development.
- Develop and implement a Soil Management Plan (SMP) prior to any excavation activities.

Enclosures: Figures:

Figure 1: Street Map

Figure 2: Soil Boring Location Map

Figure 3: USGS Topographic Map

Tables:

Table 1: Summary of Detected Compounds (Soil)

Table 2: Summary of Detected Compounds (Groundwater)

Table 3: Summary of Detected Compounds (Sub-Slab)

Table 4: Soil Vapor Field Investigation Log

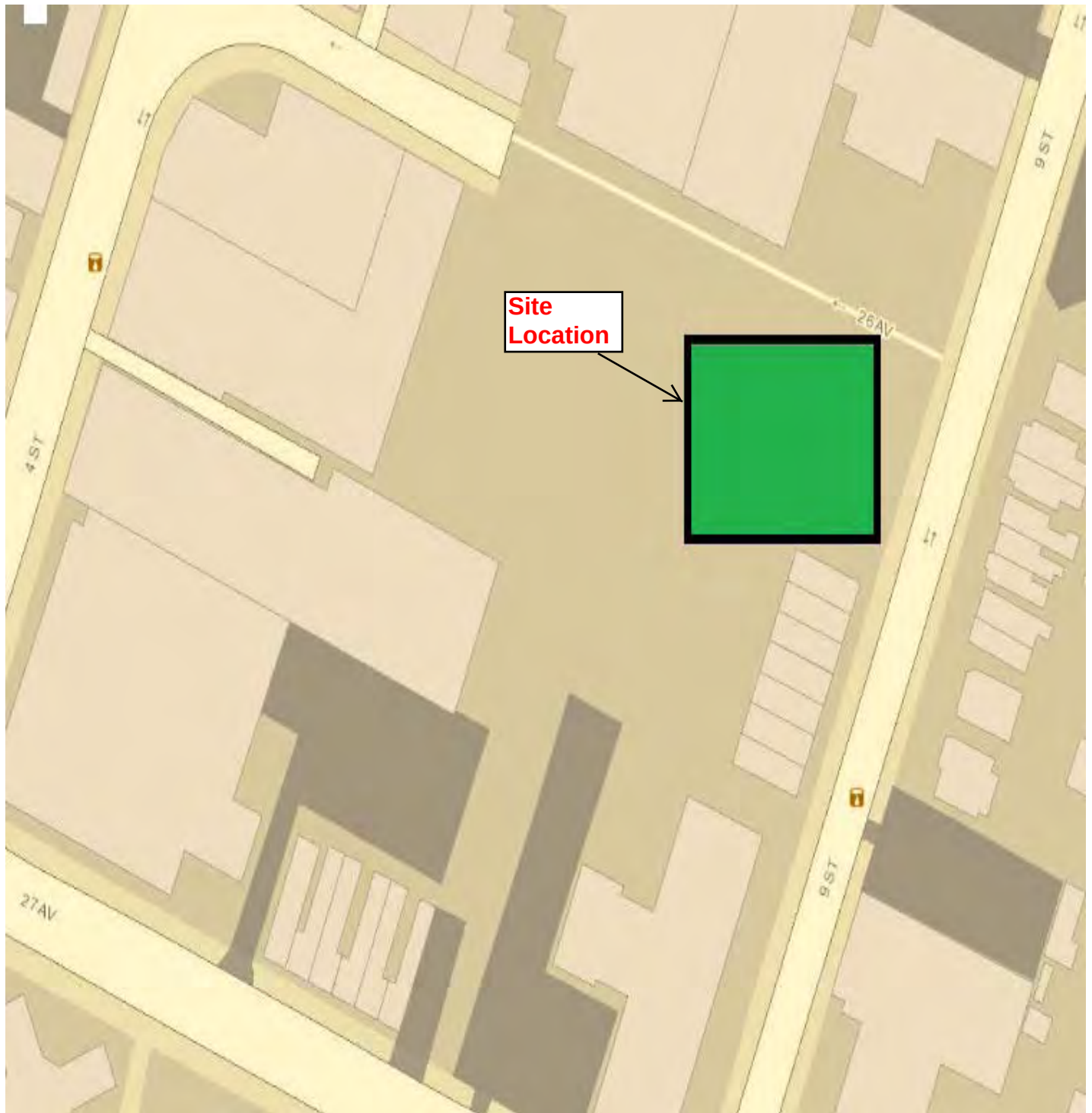
Appendices A-D:

Appendix A: Photo Log

Appendix B: Boring Logs

Appendix C: Laboratory Results

Appendix D: Limitations and Services Constraints



**G. C.
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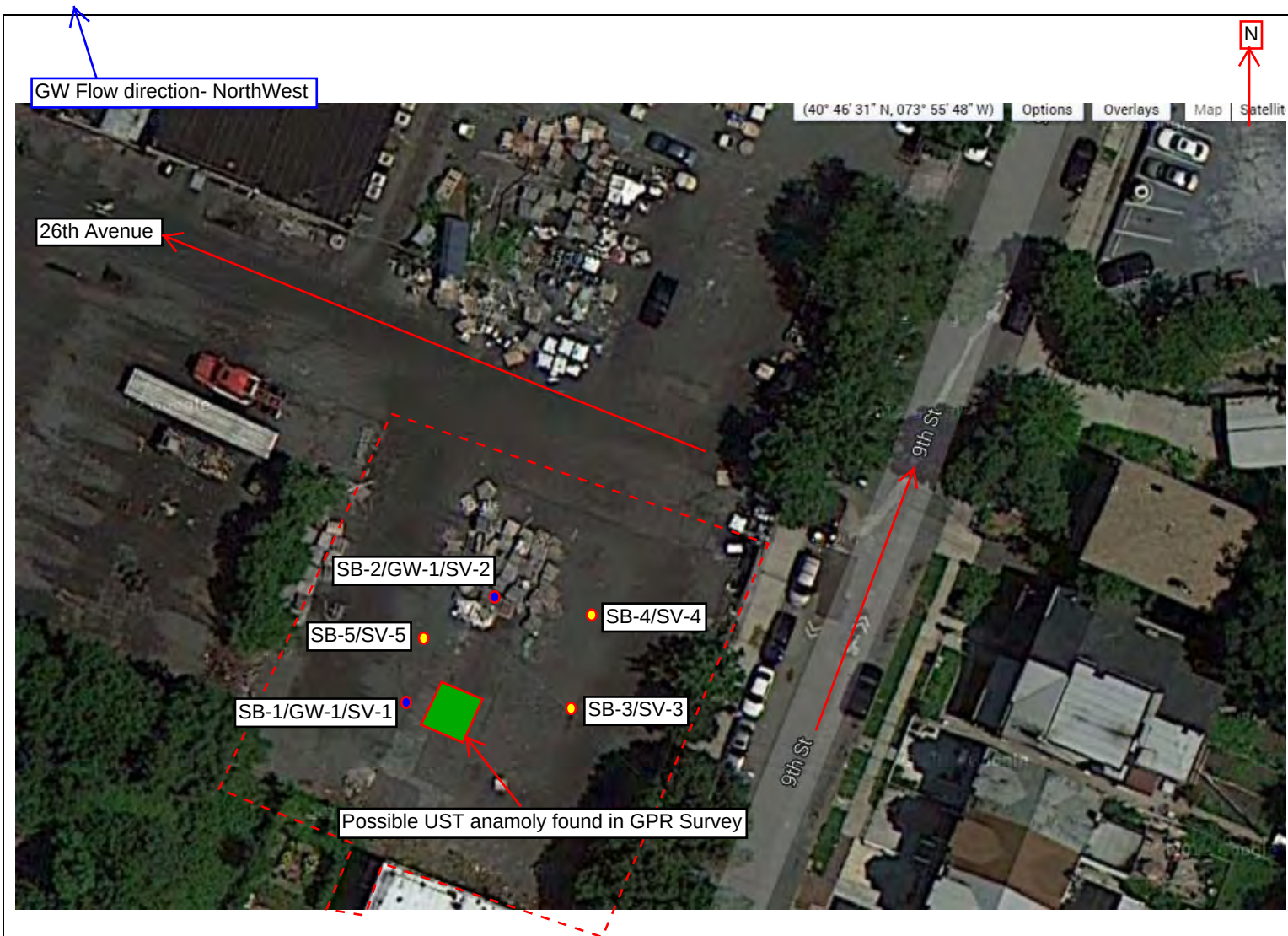
SITE LOCUS MAP

**8-01 26TH AVENUE
ASTORIA, QUEENS
NY 11102**

GCE PROJECT NO.: 14-076-00

FIGURE I

SITE MAP



- SB-1/GW-1/SV-1 — Soil, Groundwater & Soil Vapor Sampling Location
- SB-3/SV-3 — Soil & Soil Vapor Sampling Location



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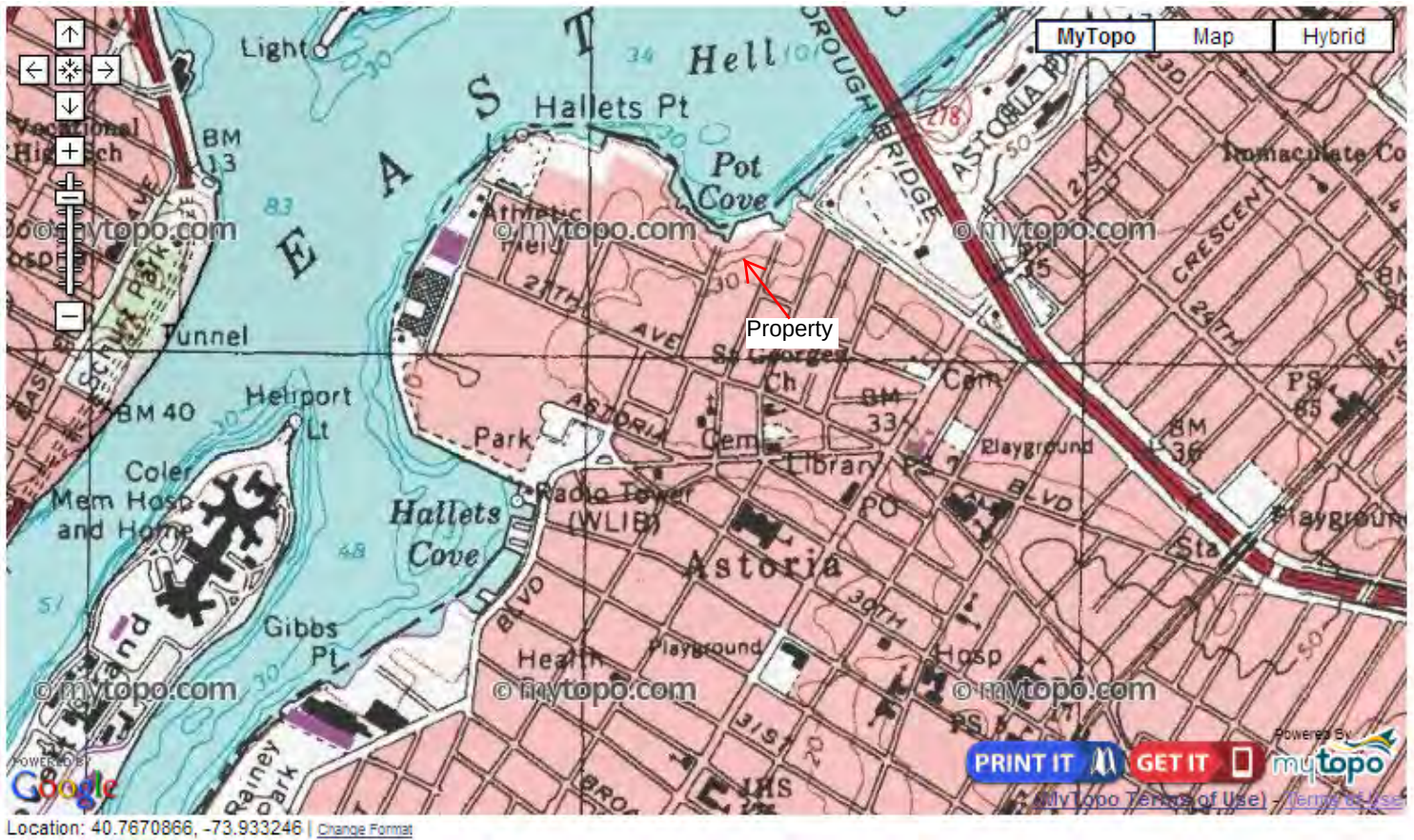
TEL: (631) 206-3700
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PROPERTY MAP

8-01 26TH AVENUE/LOT 12
ASTORIA, QUEENS
NY 11102

GCE PROJECT NO.: 14-076-00

FIGURE 2
PROPERTY
MAP



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BAY SHORE, NEW YORK 11706

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TOPO MAP

8-01 26TH AVENUE/LOT 12
ASTORIA, QUEENS
NY 11102

GCE PROJECT NO.: 14-076-00

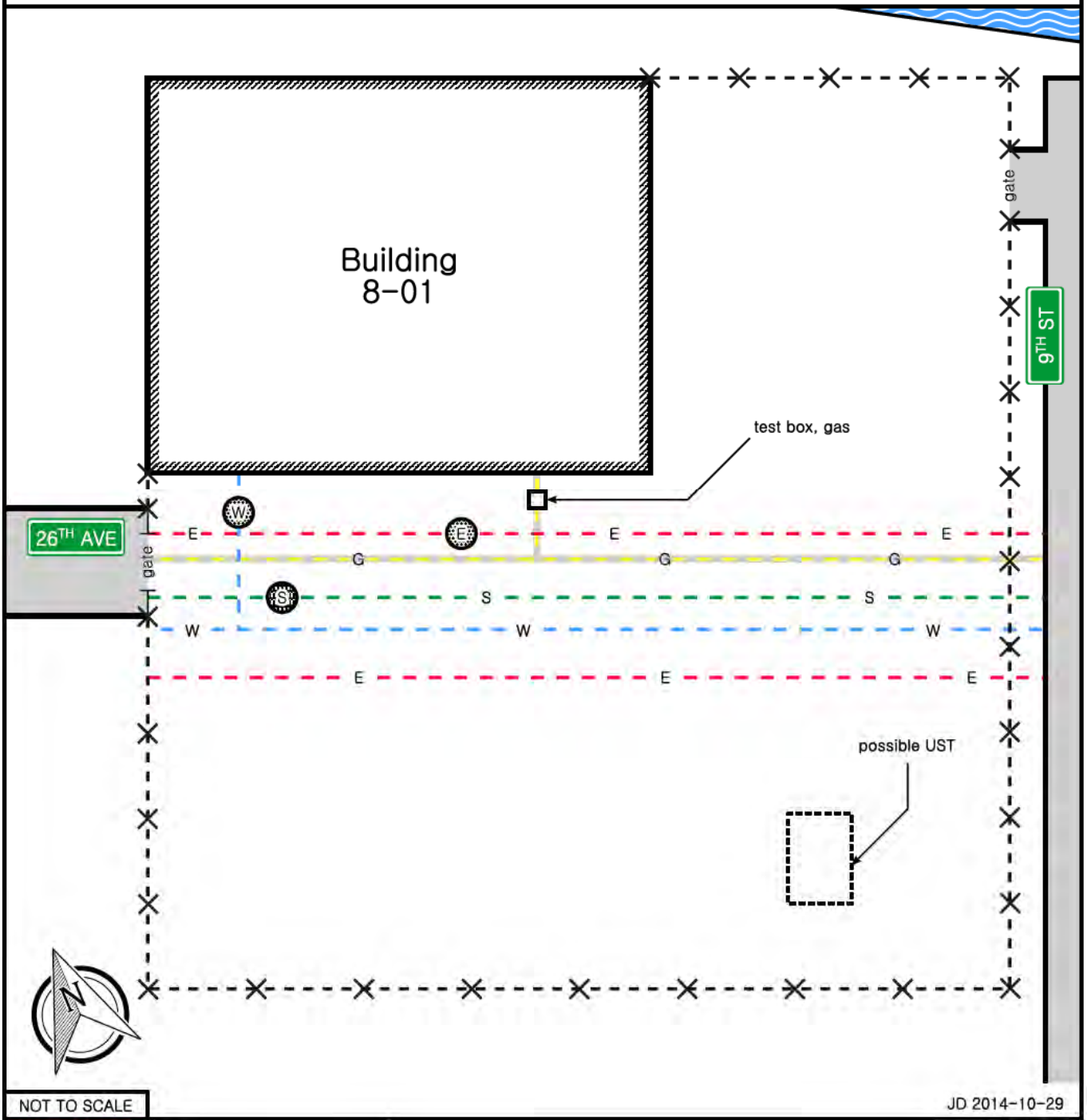
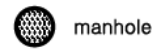
FIGURE 3

TOPO
MAP

LEGEND

--- E --- electric
 --- G --- gas
 --- W --- water

--- S --- sanitary sewer
 --- X --- fence



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SITE LOCUS MAP

8-01 26TH AVENUE/LOT 12
 ASTORIA, QUEENS
 NY 11102

GCE PROJECT NO.: I4-076-00

FIGURE 4

GPR JOB SITE SKETCH

G.C Environmental , Inc. Job Address: 8-01, 26th Avenue Astoria, NY 11102 Project Id : 14-076-00		Table 1: Summary of Detected Compounds -Soil													
		Lab Sample Id				BH33875	BH33876	BH33877	BH33878	BH33879	BH33880	BH33881	BH33882	BH33883	BH33884
		Collection Date				10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014	10/23/2014
		Client Id	CP-51	NYSDEC	NYSDEC	SB1 (0-2)	SB2 (0-2)	SB3 (0-2)	SB4 (0-2)	SB5 (0-2)	SB1 (13-15)	SB2 (13-15)	SB3 (13-15)	SB4 (13-15)	SB5 (13-15)
		Matrix	NYSDEC	Part 375.6.8 (a)	Part 375.6.8 (b)	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid	Solid
Units	Soil Cleanup	Unrestricted Use	Restricted Use												
	Guidance	Soil Cleanup	Soil Cleanup												
	Values (mg/kg)	(mg/kg)	Industrial (mg/kg)	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	
Volatiles By SW8260															
1,1,1-Trichloroethane	mg/Kg	ns	0.68	1000	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	
Acetone	mg/Kg	ns	0.05	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.18	
Semi-Volatiles By SW8270			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
PCBs By SW 8082			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pesticides By 608/ 8081			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Metals, Total															
Aluminum	mg/Kg	ns	ns	ns	15,200	4,760	16,100	8,760	11,100	14,100	15,200	17,300	16,400	15,900	
Arsenic	mg/Kg	7.5	13	16	5.9	2	4.5	1	2.4	1.1	ND	1.6	2.5	2.6	
Barium	mg/Kg	300	350	10000	45.9	37.3	81.5	51.2	62.8	74.4	119	115	113	103	
Beryllium	mg/Kg	0.16	7.2	2700	0.46	ND	0.57	0.33	0.33	0.53	0.51	0.72	0.49	0.53	
Calcium	mg/Kg	ns	ns	ns	725	71,000	1,210	6,690	2,150	2,130	2,530	1,940	2,020	2,770	
Chromium	mg/Kg	10	30	6800	32.3	9.21	24.7	20.5	26.8	29.9	37.9	30.9	43.3	38.8	
Chromium, Hexavalent	mg/Kg	10	1	800	ND	0.97	ND	ND	0.65	0.55	ND	0.67	ND	0.6	
Cobalt	mg/Kg	30	ns	ns	13.6	3.04	10.1	7.74	9.92	11.5	15.9	13.3	14.2	14.2	
Copper	mg/Kg	25	50	10000	27.5	18.9	17.2	24.4	24.2	24.6	37	29.1	30.7	34.2	
Iron	mg/Kg	2000	ns	ns	24,200	8,240	23,800	14,000	18,200	22,400	25,800	26,200	25,600	26,300	
Lead	mg/Kg	ns	63	3900	8.45	31.7	18.9	12.3	5.28	5.19	4.73	6.04	3.72	5.07	
Magnesium	mg/Kg	ns	ns	ns	5,480	22,100	3,400	4,870	5,750	7,270	8,100	8,350	8,200	8,770	
Manganese	mg/Kg	ns	1600	10,000	483	174	515	284	389	435	539	582	467	494	
Mercury	mg/Kg	0.1	0.18	5.7	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	
Nickel	mg/Kg	13	30	10000	20.8	6.76	14.1	14.6	20.5	23.9	24.1	25.1	21.4	25.7	
Potassium	mg/Kg	ns	ns	ns	1830	763	1,080	1,980	2,290	2,720	5,490	3,200	4,270	4,260	
Sodium	mg/Kg	ns	ns	ns	473	296	419	185	200	397	195	229	189	243	
Vanadium	mg/Kg	150	ns	ns	41.2	11.7	31.3	24.5	31.2	39.2	46	42.4	48.5	43.9	
Zinc	mg/Kg	20	109	10000	45.4	101	43.8	43.4	45.8	55.6	73.8	63.2	60.6	67.2	

ND	None Detected
ns	No Standards
Bold	Compounds Detected Above Regulatory Standards

G.C Environmental , Inc. Job Address: 8-01 26th Avenue Astoria, NY 11102 Project Id : 14-076-00	Table 2: Summary of Detected Compounds - Ground Water			
	Lab Sample Id Collection Date Client Id Matrix		BH33873 10/23/2014 GW 1 Ground Water	BH33874 10/23/2014 GW 2 Ground Water
	Units	TOGS-WQ/GA	Result	Result
Metals, Total				
Aluminum	mg/l	0.1	246	109
Aluminum (Dissolved)	mg/l	0.1	0.17	0.35
Arsenic	mg/l	0.025	0.021	0.014
Barium	mg/l	1	4.2	2.05
Barium (Dissolved)	mg/l	1	0.162	0.121
Beryllium	mg/l	0.003	0.007	0.006
Calcium	mg/l	ns	947	343
Calcium (Dissolved)	mg/l	ns	110	78.9
Chromium	mg/l	0.05	0.6	0.259
Cobalt	mg/l	ns	0.291	0.168
Cobalt (Dissolved)	mg/l	ns	0.006	ND
Copper	mg/l	0.2	1.13	0.532
Copper (Dissolved)	mg/l	0.2	0.046	ND
Iron	mg/l	0.3	462	188
Iron (Dissolved)	mg/l	0.3	0.166	0.398
Lead	mg/l	0.025	0.015	0.021
Magnesium	mg/l	35	413	186
Magnesium (Dissolved)	mg/l	35	44.8	30.6
Manganese	mg/l	0.3	13.7	6.97
Manganese (Dissolved)	mg/l	0.3	0.721	0.16
Nickel	mg/l	0.1	0.627	0.25
Nickel (Dissolved)	mg/l	0.1	0.011	0.0044
Potassium	mg/l	ns	125	48.9
Potassium (Dissolved)	mg/l	ns	13.9	6.4
Sodium	mg/l	20	117	64.6
Sodium (Dissolved)	mg/l	20	96.6	62.5
Vanadium	mg/l	ns	0.641	0.287
Zinc	mg/l	5	1.49	0.732
Volatiles By SW8260			ND	ND
PCBs By SW 8082			ND	ND
PCBs By 608/ 8082 Discharge				ND
Volatiles By E624-Discharge				ND
Semivolatiles, SIM By SW8270 (SIM)				
Benz(a)anthracene	mg/l	0.000002	0.00003	0.00002
Chrysene	mg/l	0.000002	0.00002	ND
Phenanthrene	mg/l	0.05	0.00009	ND
Pesticides By SW8081			ND	NA
Miscellaneous/Inorganics				
Chloride	mg/l	250	NA	260
Flash Point	degree F		NA	ND
Ignitability	degree F		NA	Passed
Nitrate-N	mg/l	10	NA	6.95
pH	pH Units		NA	7.81
Nitrogen Tot Kjeldahl	mg/l		NA	0.39
Total Nitrogen	mg/l		NA	7.34
Total Suspended Solids	mg/l		NA	7,400
Total Solids	mg/l		NA	9,400
Metals, Total/ Discharge				
Copper	mg/l	0.2		0.493
Lead	mg/l	0.025		0.043
Nickel	mg/l	0.1		0.202
Zinc	mg/l	5		0.354
Base Neutrals & Acid Compounds By E625 Discharge			NA	ND

ND	None Detected
ns	No standars
Bold	Compounds Detected Above Regulatory Standards
NA	Not Applicable

G.C Environmental, Inc. Job Address: 8-01 26th Avenue Astoria, NY 11102 Project No : 14-076-00	Table 3: Summary of the Detected Compounds-Soil Vapor					
	Lab Sample Id	BH40951	BH40949	BH35819	BH40950	BH40948
	Collection Date	11/11/2014	11/11/2014	11/3/2014	11/11/2014	11/11/2014
	Client Id	SV-1	SV-2	SV 3	SV-4	SV-5
	Matrix	Air	Air	Air	Air	Air
	Units	Result	Result	Result	Result	Result
Volatiles (TO15) By TO15						
1,1,1-Trichloroethane	ug/m3	496	2,390	354	1,180	987
1,1,2-Trichloroethane	ug/m3	ND	7.25	ND	ND	ND
1,1-Dichloroethane	ug/m3	ND	11.8	ND	1.29	1.46
1,1-Dichloroethene	ug/m3	1.78	42.8	1.03	5.35	10.6
1,2,4-Trimethylbenzene	ug/m3	3.14	13.3	14.9	6.88	4.08
1,3,5-Trimethylbenzene	ug/m3	ND	3.19	4.13	1.18	ND
2-Hexanone(MBK)	ug/m3	ND	ND	22.4	ND	ND
4-Ethyltoluene	ug/m3	ND	3.14	2.9	1.77	1.08
4-Methyl-2-pentanone(MIBK)	ug/m3	ND	ND	1.23	ND	ND
Acetone	ug/m3	ND	ND	900	ND	3.54
Benzene	ug/m3	ND	1.12	4.09	ND	ND
Carbon Disulfide	ug/m3	3.42	2.4	3.7	ND	1.12
Carbon Tetrachloride	ug/m3	ND	0.314	ND	ND	ND
Chloroform	ug/m3	2.93	19.7	15.3	5.37	4.54
Cyclohexane	ug/m3	ND	ND	3.3	ND	ND
Dichlorodifluoromethane	ug/m3	2.22	1.88	1.38	1.73	1.53
Ethanol	ug/m3	3.14	4.24	23	4.26	4.48
Ethylbenzene	ug/m3	ND	3.21	8.85	1.95	1.34
Heptane	ug/m3	5.94	4.87	7.21	6.88	5.57
Hexane	ug/m3	1.2	2.22	8.24	2.32	2.01
Isopropylalcohol	ug/m3	3.61	ND	7.1	1.38	ND
Isopropylbenzene	ug/m3	ND	ND	1.47	ND	ND
m,p-Xylene	ug/m3	3.34	14.4	37	10	6.16
Methyl Ethyl Ketone	ug/m3	1.21	1.44	80.2	1.44	ND
Methylene Chloride	ug/m3	ND	ND	ND	ND	1.08
n-Butylbenzene	ug/m3	ND	2.69	1.76	1.15	ND
o-Xylene	ug/m3	ND	4.86	15.8	3.17	1.69
Propylene	ug/m3	ND	1.65	56.6	ND	ND
Styrene	ug/m3	ND	1.83	56.6	ND	ND
Tetrachloroethene	ug/m3	11.5	32.4	3.93	10.2	21
Tetrahydrofuran	ug/m3	2.45	2.98	18	2.5	2.27
Toluene	ug/m3	3.2	10.6	13.8	8.36	5.05
Trichloroethene	ug/m3	3.54	62.3	1.4	5.75	15.1
Trichlorofluoromethane	ug/m3	1.52	1.35	1.18	1.29	1.52
Vinyl Chloride	ug/m3	ND	ND	0.255	ND	ND

ND	None Detected
ns	No Standars
Bold	Compounds Detected for Monitor and/or Mitigate Action

Table 4
Soil Vapor Investigation Log (11/3/14)
8-01 26th Ave. Astoria, NY 11102
GCE Project No. 14-076-00

Sample ID	Canister no	Regulator no	Regulator flow	Start time	End Time	Total Hours	Helium Test
SB1 for SV1	214	2868	14	7:30 pm	1:30 am	6	<1 %
SB2 for SV2	11250	2870	14	7:45 pm	1:45 am	6	<1 %
SB3 for SV3	227	4990	13.9	9:30 am	3:30 pm	6	<1 %
SB4 for SV4	13650	5660	14	7:35 pm	1:35 am	6	<1 %
SB5 for SV5	457	2865	14	8:00 pm	2:00 am	6	<1 %

APPENDIX A

Phase II ESA Photo log



1. 8-01 26th Ave, Astoria -Site Location



2. The View of One of the Soil Borings



3. Geoprobe Equipment- Soil and Ground Water Borings



4. Typical Soil Sleeves



5. Soil Sleeves from the Soil Boring Four (SB-4)



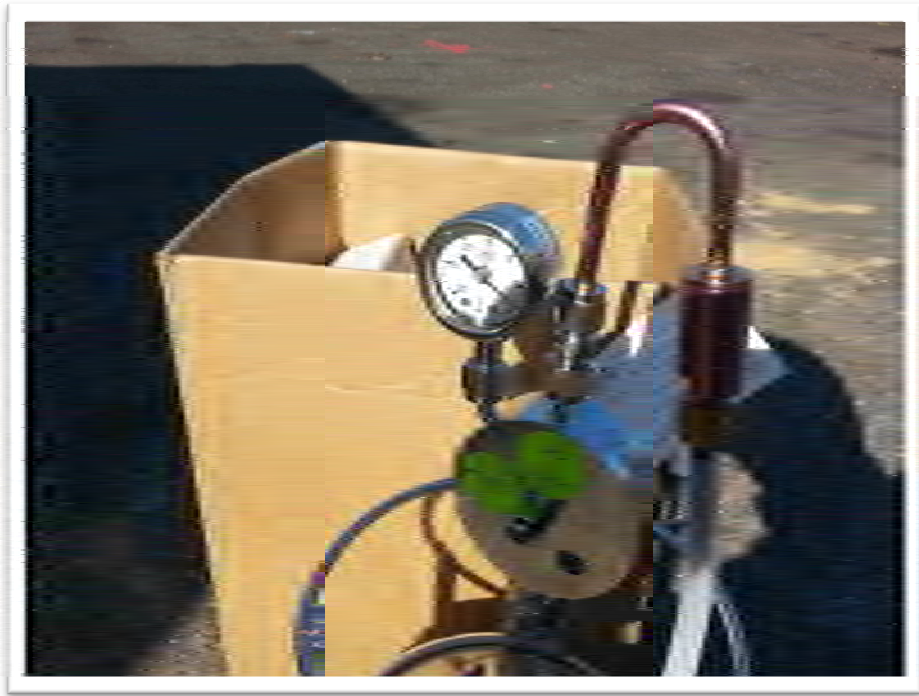
6. Typical PID Reading



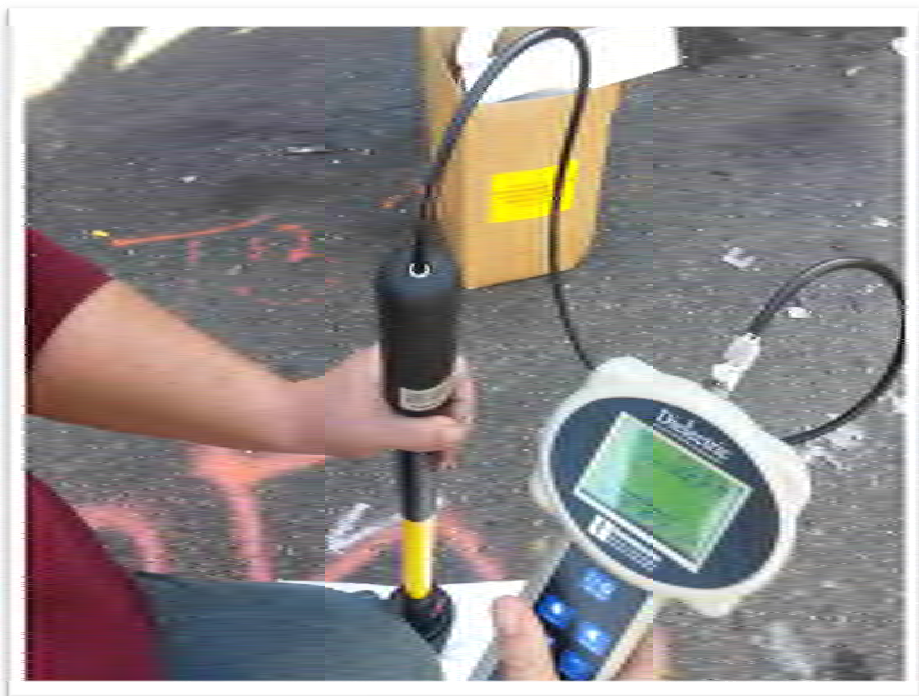
7. Ground Water Samples Collected from the Site (SB-1 to SB-5)



8. Typical Air Vapor Canister for Soil



9. Soil Vapor Sample Finish Point



10. Helium Detector equipment

APPENDIX B

BORING/MONITORING WELL LOG

FIELD GEOLOGIST: FULYA TOYLULAR
BORING CONTRACTOR:
G C ENVIRONMENTAL INC
FOREMAN: GIGI

BORING/MW NO: SB-I
LOCATION: 8-01 26TH AVE.
ASTORIA, NY 11102
DATE: 10/23/14

GROUND ELEVATION:
CASING ELEVATION

CASING:
SIZE:
HAMMER:
FALL:

SAMPLER:
TYPE: GEOPROBE 6610DT
HAMMER:
FALL:

GROUNDWATER LEVEL READINGS:
DATE: 10/23/14
DEPTH: 26 FEET

SAMPLE							SAMPLE DESCRIPTION	WELL INSTALLATION	FIELD TESTING (PPM)	NOTES
DEPTH(FT)	CAS	NO	DEPTH(FT)	PEN/REC	BLOWS					
0							Fill		0.0	
2				% 70	←	SB (0-2ft)	Light Brown clay with mixed stones		0.0	No visual or olfactory contamination found at all depths.
5										
10				% 75		SB (13-15ft)	Light Brown	NONE		
13					←					
15						GW1(26 ft)				
20				% 75						
25					↓			END OF THE		
26								BORE HOLE		
28					←			(28FT)		



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SOIL BORINGS

8-01 26TH AVE.
ASTORIA, NY 11102

GCE PROJECT NO: 14-076-00

DRAWING

SB-I

BORING/MONITORING WELL LOG

FIELD GEOLOGIST: FULYA TOYLULAR
BORING CONTRACTOR:
G C ENVIRONMENTAL INC
FOREMAN: GIGI

BORING/MW NO: SB-2
LOCATION: 8-01 26TH AVE.
ASTORIA, NY 11102
DATE: 10/23/14

GROUND ELEVATION:
TOP OF CASING ELEVATION:

CASING:
SIZE:
HAMMER:
FALL:

SAMPLER:
TYPE: GEOPROBE 6610DT
HAMMER:
FALL:

GROUNDWATER LEVEL READINGS:
DATE: 10/23/14
DEPTH: 26 FEET

SAMPLE							SAMPLE DESCRIPTION	WELL INSTALLATION	FIELD ESTIMATING (PPM)	NOTES
DEPTH(FT)	CAS	NO	DEPTH(FT)	PEN/REC	BLOWS					
0							Fill		0.0	
2				% 70	←	SB (0-2ft)	Clay with concrete missed stones		0.0	
5								NONE		No visual or olfactory contamination found at all depths.
10				% 75		SB (13-15 ft)	Light Brown			
13					←					
15						GW1(26 ft)				
20				% 75						
25					↓			END OF THE BORE HOLE		
26								(28FT)		
28					←					



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SOIL BORINGS

8-01 26TH AVE.
ASTORIA, NY 11102

GCE PROJECT NO: 14-076-00

DRAWING

SB-2

BORING/MONITORING WELL LOG

FIELD GEOLOGIST: FULYA TOYLULAR
BORING CONTRACTOR:
G C ENVIRONMENTAL INC
FOREMAN: GIGI

BORING/MW NO: SB-3
LOCATION: 8-01 26TH AVE.
ASTORIA, NY 11102
DATE: 10/23/14

GROUND ELEVATION:
TOP OF CASING ELEVATION:

CASING:
SIZE:
HAMMER:
FALL:

SAMPLER:
TYPE: GEOPROBE 6610DT
HAMMER:
FALL:

SOIL BORING LEVEL READINGS:
DATE: 10/24/14
DEPTH: 15 FEET

SAMPLE							SAMPLE DESCRIPTI ON	WELL INSTALLATION	FIELD TEST ING(P PM)	NOTES	
DEPTH(FT)	CAS	NO	DEPTH(FT)	PEN/REC	BLO WS						
0				70%		SB (0-2)	Fill	NONE	0.0	No visual or olfactory contamina tion found at all depths.	
2							Light brown with mixed stones		0.0		
5				75%							
10						SB (13-15)	Sandy clay				
13											
15								END OF THE BORE HOLE (15 FT)			



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SOIL BORINGS

8-01 26TH AVE.
ASTORIA, NY 11102

GCE PROJECT NO: 14-076-00

DRAWING

SB-3

BORING/MONITORING WELL LOG

FIELD GEOLOGIST: FULYA TOYLULAR
BORING CONTRACTOR:
G C ENVIRONMENTAL INC
FOREMAN: GIGI

BORING/MW NO: SB-4
LOCATION: 8-01 26TH AVE.
ASTORIA, NY III02
DATE: 10/23/14

GROUND ELEVATION:
TOP OF CASING ELEVATION:

CASING:
SIZE:
HAMMER:
FALL:

SAMPLER:
TYPE: GEOPROBE 6610DT
HAMMER:
FALL:

SOIL BORING LEVEL READINGS:
DATE: 10/24/14
DEPTH: 15 FEET

SAMPLE							SAMPLE DESCRIPTION	WELL INSTALLATION	FIELD TEST ING(P PM)	NOTES
DEPTH(FT)	CAS	NO	DEPTH(FT)	PEN/REC	BLO WS					
0				70%			Fill		0.0	
2										
						SB (0-2 ft)	Light Brown clay with mixed stones	NONE	0.0	No visual or olfactory contamination found at all depths.
5				75%						
10										
						SB (13-15 ft)	Light Brown			
13										
								END OF THE BORE HOLE (15 FT)		
15										



G. C. ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

**22 OAK STREET
BAYSHORE, NEW YORK 11706**

TEL: (631) 206-3700
FAX: (631) 206-3729

SOIL BORINGS

8-01 26TH AVE.
ASTORIA, NY III02

GCE PROJECT NO: 14-076-00

DRAWING

SB-4

BORING/MONITORING WELL LOG

FIELD GEOLOGIST: FULYA TOYLULAR
BORING CONTRACTOR:
G C ENVIRONMENTAL INC
FOREMAN: GIGI

BORING/MW NO: SB-5
LOCATION: 8-01 26TH AVE.
ASTORIA, NY III02
DATE: 10/23/14

GROUND ELEVATION:
TOP OF CASING ELEVATION:

CASING:
SIZE:
HAMMER:
FALL:

SAMPLER:
TYPE: GEOPROBE 6610DT
HAMMER:
FALL:

SOIL BORING LEVEL READINGS:
DATE: 10/24/14
DEPTH: 15 FEET

SAMPLE							SAMPLE DESCRIPTION	WELL INSTALLATION	FIELD TEST ING(P PM)	NOTES
DEPTH(FT)	CAS	NO	DEPTH(FT)	PEN/REC	BLO WS					
0				70%			Fill		0.0	
2							Dark Brown with mixed stones			
5				75%		SB (0-2ft)		NONE	0.0	No visual or olfactory contamination found at all depths.
10							Dark Brown clay			
13						SB (13-15ft)		END OF THE		
15								BORE HOLE (15 FT)		



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BAYSHORE, NEW YORK 11706**

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SOIL BORINGS

**8-01 26TH AVE.
ASTORIA, NY III02**

GCE PROJECT NO: 14-076-00

DRAWING

SB-5

APPENDIX C



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



Sample Acknowledgement

October 30, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Location Code: GC-ENV

SDG ID: GBH33873

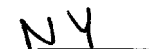
Rush Request: Standard

P.O.#: 10184

Project Id: 14-076-00

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

Phoenix Id	Client Id	Matrix	Sub Date	Col Date	Col By
BH33873	GW 1	GROUND WATER	10/29 5:40p	10/23 11:00a	
BH33874	GW 2	GROUND WATER	10/29 5:40p	10/23 11:30a	
BH33875	SB1 (0-2)	SOLID	10/29 5:40p	10/23 12:00p	
BH33876	SB2 (0-2)	GROUND WATER	10/29 5:40p	10/23 12:30p	
BH33877	SB3 (0-2)	GROUND WATER	10/29 5:40p	10/23 9:30a	
BH33878	SB4 (0-2)	GROUND WATER	10/29 5:40p	10/23 10:30a	
BH33879	SB5 (0-2)	GROUND WATER	10/29 5:40p	10/23 10:20a	
BH33880	SB1 (13-15)	GROUND WATER	10/29 5:40p	10/23 12:15p	
BH33881	SB2 (12-15)	GROUND WATER	10/29 5:40p	10/23 12:45p	
BH33882	SB3 (12-15)	GROUND WATER	10/29 5:40p	10/23 2:45p	
BH33883	SB4 (12-15)	GROUND WATER	10/29 5:40p	10/23 10:45a	
BH33884	SB5 (13-15)	GROUND WATER	10/29 5:40p	10/23 11:00a	





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



Sample Acknowledgement

November 04, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Location Code: GC-ENV

SDG ID: GBH35509

Rush Request: Standard

P.O.#: 10184

Project Id: 14-076-00

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

Phoenix Id	Client Id	Matrix	Sub Date	Col Date	Col By
BH35509	GW 1	GROUND WATER	11/03 4:24p	11/03 12:00a	
BH35510	GW 2	GROUND WATER	11/03 4:24p	11/03 12:00a	
BH35511	SB 1 (0-2)	SOIL	11/03 4:24p	11/03 12:00a	
BH35512	SB 2 (0-2)	SOIL	11/03 4:24p	11/03 12:00a	
BH35513	SB 3 (0-2)	SOIL	11/03 4:24p	11/03 12:00a	
BH35514	SB 4 (0-2)	SOIL	11/03 4:24p	11/03 12:00a	
BH35515	SB 5 (0-2)	SOIL	11/03 4:24p	11/03 12:00a	
BH35516	SB 1 (13-15)	SOIL	11/03 4:24p	11/03 12:00a	
BH35517	SB 2 (13-15)	SOIL	11/03 4:24p	11/03 12:00a	
BH35518	SB 3 (13-15)	SOIL	11/03 4:24p	11/03 12:00a	
BH35519	SB 4 (13-15)	SOIL	11/03 4:24p	11/03 12:00a	
BH35520	SB 5 (13-15)	SOIL	11/03 4:24p	11/03 12:00a	



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



Sample Acknowledgement

November 04, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Location Code: GC-ENV

SDG ID: GBH35819

Rush Request: Standard

P.O.#:

Project Id: 14-076-00

Temperature:

Phoenix Id	Client Id	Matrix	Sub Date	Col Date	Col By
BH35819	SV 3	AIR	11/04 4:10p	11/03 3:30p	



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



Sample Acknowledgement

November 14, 2014

FOR: Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Location Code: GC-ENV

SDG ID: GBH40948

Rush Request: 24 Hour

P.O.#:

Project Id: ALMA REALTY PHASE II

Temperature:

Phoenix Id	Client Id	Matrix	Sub Date	Col Date	Col By
BH40948	SV-5	AIR	11/13 3:24p	11/11 2:00a	RK
BH40949	SV-2	AIR	11/13 3:24p	11/11 1:45a	RK
BH40950	SV-4	AIR	11/13 3:24p	11/11 1:35a	RK
BH40951	SV-1	AIR	11/13 3:24p	11/11 2:30a	RK



597 East Middle Turnpike, P.O. Box 370, North Attle, MA 01960
Telephone: 800/645-1102 • Fax: 800/645-0823

CHAIN OF CUSTODY RECORD

AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # _____ Page _____ of _____

Data Delivery:

Fax #: 631-206-3729

Email: dbrown@gc-environmental.com

Phone #: 631-206-3700

Report to: DEBBIE BROWN	Invoice to: DIANA LEGAKIS	Project Name: ALMA REALTY / PHASE II															
Customer: GC Environmental	Requested Deliverable: ☐ RCP ☐ ASP CAT B ☐	Requested Deliverable: ☐ ASP CAT B ☐															
Address: 22 OAK STREET BAY SHORE, NY 11706	Sampled by: RAVI K KOLAVENITI	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	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Grab (G) Composite (C)	Soil Gas	Matrix	TO-14	TO-15
THIS SECTION FOR LAB USE ONLY																	
	1 NOT SAMPLED	221	6.0	-30		5700/14											
	2 BAD REGULATOR	491			-4	2863V											
40048	SV-5	457			-4	2863V		08:00pm	02:00am	11/11/14	-30	-7	G			X	
40049	SV-2	11250			-4	2870V		07:45pm	01:45am	11/11/14	-30	-7	G			X	
40050	SV-4	13650			-1	5600V		07:30pm	01:30am	11/11/14	-30	-5	G			X	
40051	SV-1	214			-3	2800V		07:30pm	00:30am	11/11/14	-30	-5	G			X	
	6L 6HR																

Relinquished by: <i>[Signature]</i>	Accepted by: <i>[Signature]</i>	Date: 11/13/14	Time: 1100	Data Format: ☒ Excel ☐ PDF	Equis ☐ Other ☐	GISKey ☐
SPECIAL INSTRUCTIONS, OC REQUIREMENTS, REGULATORY INFORMATION:						
*KA - Resample						
NOTE - 24 hr TAT 24 hr TAT						
Total 4 SV samples SV-1 SV-2 SV-4 6 SV-5						
Requested Criteria: 24 hr TAT 24 hr TAT						
Quote Number: _____ Signature: _____ Date: _____						
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:						



Thursday, November 06, 2014

Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Project ID: 14-076-00
Sample ID#s: BH33873 - BH33884

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

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



SDG Comments

November 06, 2014

SDG I.D.: GBH33873

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.



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	11:00
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33873

Project ID: 14-076-00
Client ID: GW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	10/30/14	LK	SW6010
Aluminum	246	1.0		mg/L	10/31/14	EK	SW6010
Arsenic	0.021	0.004		mg/L	10/30/14	LK	SW6010
Barium	4.20	0.002		mg/L	10/30/14	LK	SW6010
Beryllium	0.007	0.001		mg/L	10/30/14	LK	SW6010
Calcium	947	1.0		mg/L	10/31/14	EK	SW6010
Cadmium	< 0.001	0.001		mg/L	10/30/14	LK	SW6010
Cobalt	0.291	0.002		mg/L	10/30/14	LK	SW6010
Chromium	0.600	0.001		mg/L	10/30/14	LK	SW6010
Copper	1.13	0.005		mg/L	10/30/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Aluminum (Dissolved)	0.17	0.01		mg/L	10/29/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	10/29/14	LK	SW6010
Barium (Dissolved)	0.162	0.002		mg/L	10/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Calcium (Dissolved)	110	0.01		mg/L	10/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Cobalt (Dissolved)	0.006	0.001		mg/L	10/29/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Copper (Dissolved)	0.046	0.005		mg/L	10/29/14	LK	SW6010
Iron (Dissolved)	0.166	0.011		mg/L	10/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	10/30/14	RS	SW7470
Potassium (Dissolved)	13.9	0.1		mg/L	10/29/14	LK	SW6010
Magnesium (Dissolved)	44.8	0.01		mg/L	10/29/14	LK	SW6010
Manganese (Dissolved)	0.721	0.001		mg/L	10/29/14	LK	SW6010
Sodium (Dissolved)	96.6	1.1		mg/L	10/31/14	LK	SW6010
Nickel (Dissolved)	0.011	0.001		mg/L	10/31/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005		mg/L	10/29/14	LK	SW6010
Selenium (Dissolved)	< 0.005	0.005		mg/L	11/04/14	T/R	E200.9/SM3113B
Thallium (Dissolved)	< 0.002	0.002		mg/L	11/04/14	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010
Zinc (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010
Iron	462	1.0		mg/L	10/31/14	EK	SW6010
Mercury	< 0.0002	0.0002		mg/L	10/30/14	RS	SW7470
Potassium	125	10		mg/L	10/31/14	EK	SW6010
Magnesium	413	1.0		mg/L	10/31/14	EK	SW6010
Manganese	13.7	0.10		mg/L	10/31/14	EK	SW6010
Sodium	117	10		mg/L	10/31/14	EK	SW6010
Nickel	0.627	0.001		mg/L	10/30/14	LK	SW6010
Lead	0.015	0.002		mg/L	10/30/14	LK	SW6010
Antimony	< 0.005	0.005		mg/L	10/30/14	LK	SW6010
Selenium	< 0.010	0.010		mg/L	10/30/14	LK	SW6010
Thallium	< 0.002	0.002		mg/L	11/04/14	RS	SM3113B/SW70
Vanadium	0.641	0.002		mg/L	10/30/14	LK	SW6010
Zinc	1.49	0.002		mg/L	10/30/14	LK	SW6010
Filtration	Completed				10/29/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/30/14	I/I	SW7470
Mercury Digestion	Completed				10/30/14	W/I	SW7470
PCB Extraction (2 Liter)	Completed				10/29/14	T	SW3510
Extraction for Pest (2 Liter)	Completed				10/29/14	T	SW3510
Semi-Volatile Extraction	Completed				10/29/14	E/D/D	SW3520
Dissolved Metals Preparation	Completed				10/29/14	AG	SW846-3005
Total Metals Digestion	Completed				10/29/14	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1221	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1232	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1242	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1248	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1254	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1260	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1262	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1268	ND	0.050		ug/L	10/30/14	AW	608/ 8082

QA/QC Surrogates

% DCBP	79			%	10/30/14	AW	30 - 150 %
% TCMX	78			%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.005		ug/L	10/31/14	CE	SW8081
4,4' -DDE	ND	0.005		ug/L	10/31/14	CE	SW8081
4,4' -DDT	ND	0.005		ug/L	10/31/14	CE	SW8081
a-BHC	ND	0.005		ug/L	10/31/14	CE	SW8081
Alachlor	ND	0.075		ug/L	10/31/14	CE	SW8081
Aldrin	ND	0.002		ug/L	10/31/14	CE	SW8081
b-BHC	ND	0.005		ug/L	10/31/14	CE	SW8081
Chlordane	ND	0.050		ug/L	10/31/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	10/31/14	CE	SW8081
Dieldrin	ND	0.002		ug/L	10/31/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	10/31/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	10/31/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	10/31/14	CE	SW8081
Endrin	ND	0.005		ug/L	10/31/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	10/31/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	10/31/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	10/31/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	10/31/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	10/31/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	10/31/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	10/31/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	80			%	10/31/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	10/31/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	10/30/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	10/30/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
2,2-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	10/30/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
4-Chlorotoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	10/30/14	MH	SW8260
Acetone	ND	25		ug/L	10/30/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	10/30/14	MH	SW8260
Benzene	ND	0.70		ug/L	10/30/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	10/30/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromoform	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromomethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Carbon Disulfide	ND	5.0		ug/L	10/30/14	MH	SW8260
Carbon tetrachloride	ND	1.0		ug/L	10/30/14	MH	SW8260
Chlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloroform	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
cis-1,3-Dichloropropene	ND	0.40		ug/L	10/30/14	MH	SW8260
Dibromochloromethane	ND	0.50		ug/L	10/30/14	MH	SW8260
Dibromomethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Ethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Hexachlorobutadiene	ND	0.40		ug/L	10/30/14	MH	SW8260
Isopropylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
m&p-Xylene	ND	1.0		ug/L	10/30/14	MH	SW8260
Methyl ethyl ketone	ND	5.0		ug/L	10/30/14	MH	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	10/30/14	MH	SW8260
Methylene chloride	ND	1.0		ug/L	10/30/14	MH	SW8260
Naphthalene	ND	1.0		ug/L	10/30/14	MH	SW8260
n-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
n-Propylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
o-Xylene	ND	1.0		ug/L	10/30/14	MH	SW8260
p-Isopropyltoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
sec-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Styrene	ND	1.0		ug/L	10/30/14	MH	SW8260
tert-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Tetrachloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
Tetrahydrofuran (THF)	ND	2.5		ug/L	10/30/14	MH	SW8260
Toluene	ND	1.0		ug/L	10/30/14	MH	SW8260
Total Xylenes	ND	1.0		ug/L	10/30/14	MH	SW8260
trans-1,2-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
trans-1,3-Dichloropropene	ND	0.40		ug/L	10/30/14	MH	SW8260
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	10/30/14	MH	SW8260
Trichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Vinyl chloride	ND	1.0		ug/L	10/30/14	MH	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100			%	10/30/14	MH	70 - 130 %
% Bromofluorobenzene	94			%	10/30/14	MH	70 - 130 %
% Dibromofluoromethane	94			%	10/30/14	MH	70 - 130 %
% Toluene-d8	102			%	10/30/14	MH	70 - 130 %
<u>Semivolatiles, SIM</u>							
1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/02/14	DD	SW8270
1,2-Dichlorobenzene	ND	3.0		ug/L	11/02/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/02/14	DD	SW8270
1,3-Dichlorobenzene	ND	3.0		ug/L	11/02/14	DD	SW8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	3.0		ug/L	11/02/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/02/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/02/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/02/14	DD	SW8270
2-Methylnaphthalene	ND	5.0		ug/L	11/02/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/02/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/02/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/02/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/02/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/02/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	11/02/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/02/14	DD	SW8270
Acenaphthene	ND	5.0		ug/L	11/02/14	DD	SW8270
Anthracene	ND	5.0		ug/L	11/02/14	DD	SW8270
Benzidine	ND	5.0		ug/L	11/02/14	DD	SW8270
Benzo(ghi)perylene	ND	5.0		ug/L	11/02/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/02/14	DD	SW8270
Benzyl Alcohol	ND	20		ug/L	11/02/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/02/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/02/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	1.0		ug/L	11/02/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/02/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/02/14	DD	SW8270
Fluoranthene	ND	5.0		ug/L	11/02/14	DD	SW8270
Fluorene	ND	5.0		ug/L	11/02/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/02/14	DD	SW8270
Hexachloroethane	ND	5.0		ug/L	11/02/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/02/14	DD	SW8270
Naphthalene	ND	5.0		ug/L	11/02/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/02/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/02/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/02/14	DD	SW8270
Pyrene	ND	5.0		ug/L	11/02/14	DD	SW8270
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	62			%	11/02/14	DD	30 - 130 %
% Nitrobenzene-d5	54			%	11/02/14	DD	30 - 130 %
% Terphenyl-d14	39			%	11/02/14	DD	30 - 130 %
<u>Semivolatiles, SIM</u>							
Acenaphthylene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.03	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Chrysene	0.02	0.02		ug/L	10/31/14	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dibenz(a,h)anthracene	ND	0.01		ug/L	10/31/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	10/31/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	10/31/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.40		ug/L	10/31/14	DD	SW8270 (SIM)
Phenanthrene	0.09	0.05		ug/L	10/31/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	62			%	10/31/14	DD	30 - 130 %
% Nitrobenzene-d5	54			%	10/31/14	DD	30 - 130 %
% Terphenyl-d14	39			%	10/31/14	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 Quantitation) ND=Not Detected

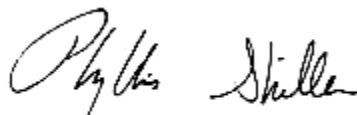
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

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 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	11:30
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33874

Project ID: 14-076-00
Client ID: GW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.001	0.001		mg/L	10/30/14	LK	SW6010
Aluminum	109	0.10		mg/L	10/31/14	EK	SW6010
Arsenic	0.014	0.004		mg/L	10/30/14	LK	SW6010
Barium	2.05	0.002		mg/L	10/30/14	LK	SW6010
Beryllium	0.006	0.001		mg/L	10/30/14	LK	SW6010
Calcium	343	0.10		mg/L	10/31/14	EK	SW6010
Cadmium	< 0.001	0.001		mg/L	10/30/14	LK	SW6010
Cobalt	0.168	0.002		mg/L	10/30/14	LK	SW6010
Chromium	0.259	0.001		mg/L	10/30/14	LK	SW6010
Copper	0.532	0.005		mg/L	10/30/14	LK	SW6010
Silver (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Aluminum (Dissolved)	0.35	0.01		mg/L	10/29/14	LK	SW6010
Arsenic (Dissolved)	< 0.004	0.004		mg/L	10/29/14	LK	SW6010
Barium (Dissolved)	0.121	0.002		mg/L	10/29/14	LK	SW6010
Beryllium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Calcium (Dissolved)	78.9	0.01		mg/L	10/29/14	LK	SW6010
Cadmium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Cobalt (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Chromium (Dissolved)	< 0.001	0.001		mg/L	10/29/14	LK	SW6010
Copper (Dissolved)	< 0.005	0.005		mg/L	10/29/14	LK	SW6010
Iron (Dissolved)	0.398	0.011		mg/L	10/29/14	LK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002		mg/L	10/30/14	RS	SW7470
Potassium (Dissolved)	6.4	0.1		mg/L	10/29/14	LK	SW6010
Magnesium (Dissolved)	30.6	0.01		mg/L	10/29/14	LK	SW6010
Manganese (Dissolved)	0.160	0.001		mg/L	10/29/14	LK	SW6010
Sodium (Dissolved)	62.5	0.11		mg/L	10/29/14	LK	SW6010
Nickel (Dissolved)	0.004	0.001		mg/L	10/31/14	LK	SW6010
Lead (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.005	0.005		mg/L	10/29/14	LK	SW6010
Selenium (Dissolved)	< 0.005	0.005		mg/L	11/04/14	T/R	E200.9/SM3113B
Thallium (Dissolved)	< 0.002	0.002		mg/L	11/04/14	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010
Zinc (Dissolved)	< 0.002	0.002		mg/L	10/29/14	LK	SW6010
Iron	188	0.10		mg/L	10/31/14	EK	SW6010
Mercury	< 0.0002	0.0002		mg/L	10/30/14	RS	SW7470
Potassium	48.9	0.1		mg/L	10/30/14	LK	SW6010
Magnesium	186	0.10		mg/L	10/31/14	EK	SW6010
Manganese	6.97	0.010		mg/L	10/31/14	EK	SW6010
Sodium	64.6	1.0		mg/L	10/31/14	EK	SW6010
Nickel	0.250	0.001		mg/L	10/30/14	LK	SW6010
Lead	0.021	0.002		mg/L	10/30/14	LK	SW6010
Antimony	< 0.005	0.005		mg/L	10/30/14	LK	SW6010
Selenium	< 0.010	0.010		mg/L	10/30/14	LK	SW6010
Thallium	< 0.002	0.002		mg/L	11/04/14	RS	SM3113B/SW70
Vanadium	0.287	0.002		mg/L	10/30/14	LK	SW6010
Zinc	0.732	0.002		mg/L	10/30/14	LK	SW6010
Filtration	Completed				10/29/14	AG	0.45um Filter
Dissolved Mercury Digestion	Completed				10/30/14	I/I	SW7470
Mercury Digestion	Completed				10/30/14	WI/I	SW7470
PCB Extraction (2 Liter)	Completed				10/29/14	T	SW3510
Extraction for Pest (2 Liter)	Completed				10/29/14	T	SW3510
Semi-Volatile Extraction	Completed				10/29/14	E/D/D	SW3520
Dissolved Metals Preparation	Completed				10/29/14	AG	SW846-3005
Total Metals Digestion	Completed				10/29/14	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1221	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1232	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1242	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1248	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1254	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1260	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1262	ND	0.050		ug/L	10/30/14	AW	608/ 8082
PCB-1268	ND	0.050		ug/L	10/30/14	AW	608/ 8082

QA/QC Surrogates

% DCBP	105			%	10/30/14	AW	30 - 150 %
% TCMX	103			%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.005		ug/L	10/31/14	CE	SW8081
4,4' -DDE	ND	0.005		ug/L	10/31/14	CE	SW8081
4,4' -DDT	ND	0.005		ug/L	10/31/14	CE	SW8081
α-BHC	ND	0.005		ug/L	10/31/14	CE	SW8081
Alachlor	ND	0.075		ug/L	10/31/14	CE	SW8081
Aldrin	ND	0.002		ug/L	10/31/14	CE	SW8081
β-BHC	ND	0.005		ug/L	10/31/14	CE	SW8081
Chlordane	ND	0.050		ug/L	10/31/14	CE	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025		ug/L	10/31/14	CE	SW8081
Dieldrin	ND	0.002		ug/L	10/31/14	CE	SW8081
Endosulfan I	ND	0.050		ug/L	10/31/14	CE	SW8081
Endosulfan II	ND	0.050		ug/L	10/31/14	CE	SW8081
Endosulfan Sulfate	ND	0.050		ug/L	10/31/14	CE	SW8081
Endrin	ND	0.005		ug/L	10/31/14	CE	SW8081
Endrin Aldehyde	ND	0.050		ug/L	10/31/14	CE	SW8081
Endrin ketone	ND	0.050		ug/L	10/31/14	CE	SW8081
g-BHC (Lindane)	ND	0.025		ug/L	10/31/14	CE	SW8081
Heptachlor	ND	0.005		ug/L	10/31/14	CE	SW8081
Heptachlor epoxide	ND	0.005		ug/L	10/31/14	CE	SW8081
Methoxychlor	ND	0.10		ug/L	10/31/14	CE	SW8081
Toxaphene	ND	0.20		ug/L	10/31/14	CE	SW8081
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	76			%	10/31/14	CE	30 - 150 %
%TCMX (Surrogate Rec)	75			%	10/31/14	CE	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1,1-Trichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50		ug/L	10/30/14	MH	SW8260
1,1,2-Trichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,1-Dichloropropene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,3-Trichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2,4-Trimethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,2-Dichloroethane	ND	0.60		ug/L	10/30/14	MH	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3,5-Trimethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
1,3-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
1,4-Dichlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
2,2-Dichloropropane	ND	1.0		ug/L	10/30/14	MH	SW8260
2-Chlorotoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
2-Hexanone	ND	5.0		ug/L	10/30/14	MH	SW8260
2-Isopropyltoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
4-Chlorotoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
4-Methyl-2-pentanone	ND	5.0		ug/L	10/30/14	MH	SW8260
Acetone	ND	25		ug/L	10/30/14	MH	SW8260
Acrylonitrile	ND	5.0		ug/L	10/30/14	MH	SW8260
Benzene	ND	0.70		ug/L	10/30/14	MH	SW8260
Bromobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromochloromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromodichloromethane	ND	0.50		ug/L	10/30/14	MH	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bromoform	ND	1.0		ug/L	10/30/14	MH	SW8260
Bromomethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Carbon Disulfide	ND	5.0		ug/L	10/30/14	MH	SW8260
Carbon tetrachloride	ND	1.0		ug/L	10/30/14	MH	SW8260
Chlorobenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloroform	ND	1.0		ug/L	10/30/14	MH	SW8260
Chloromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
cis-1,3-Dichloropropene	ND	0.40		ug/L	10/30/14	MH	SW8260
Dibromochloromethane	ND	0.50		ug/L	10/30/14	MH	SW8260
Dibromomethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Ethylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Hexachlorobutadiene	ND	0.40		ug/L	10/30/14	MH	SW8260
Isopropylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
m&p-Xylene	ND	1.0		ug/L	10/30/14	MH	SW8260
Methyl ethyl ketone	ND	5.0		ug/L	10/30/14	MH	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	10/30/14	MH	SW8260
Methylene chloride	ND	1.0		ug/L	10/30/14	MH	SW8260
Naphthalene	ND	1.0		ug/L	10/30/14	MH	SW8260
n-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
n-Propylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
o-Xylene	ND	1.0		ug/L	10/30/14	MH	SW8260
p-Isopropyltoluene	ND	1.0		ug/L	10/30/14	MH	SW8260
sec-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Styrene	ND	1.0		ug/L	10/30/14	MH	SW8260
tert-Butylbenzene	ND	1.0		ug/L	10/30/14	MH	SW8260
Tetrachloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
Tetrahydrofuran (THF)	ND	2.5		ug/L	10/30/14	MH	SW8260
Toluene	ND	1.0		ug/L	10/30/14	MH	SW8260
Total Xylenes	ND	1.0		ug/L	10/30/14	MH	SW8260
trans-1,2-Dichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
trans-1,3-Dichloropropene	ND	0.40		ug/L	10/30/14	MH	SW8260
trans-1,4-dichloro-2-butene	ND	5.0		ug/L	10/30/14	MH	SW8260
Trichloroethene	ND	1.0		ug/L	10/30/14	MH	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	10/30/14	MH	SW8260
Vinyl chloride	ND	1.0		ug/L	10/30/14	MH	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99			%	10/30/14	MH	70 - 130 %
% Bromofluorobenzene	97			%	10/30/14	MH	70 - 130 %
% Dibromofluoromethane	105			%	10/30/14	MH	70 - 130 %
% Toluene-d8	101			%	10/30/14	MH	70 - 130 %
<u>Semivolatiles</u>							
1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/03/14	DD	SW8270
1,2-Dichlorobenzene	ND	2.5		ug/L	11/03/14	DD	SW8270
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/03/14	DD	SW8270
1,3-Dichlorobenzene	ND	2.5		ug/L	11/03/14	DD	SW8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	2.5		ug/L	11/03/14	DD	SW8270
2,4,5-Trichlorophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2,4,6-Trichlorophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2,4-Dichlorophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2,4-Dimethylphenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2,4-Dinitrophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2,4-Dinitrotoluene	ND	5.0		ug/L	11/03/14	DD	SW8270
2,6-Dinitrotoluene	ND	5.0		ug/L	11/03/14	DD	SW8270
2-Chloronaphthalene	ND	5.0		ug/L	11/03/14	DD	SW8270
2-Chlorophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
2-Methylphenol (o-cresol)	ND	1.0		ug/L	11/03/14	DD	SW8270
2-Nitroaniline	ND	5.0		ug/L	11/03/14	DD	SW8270
2-Nitrophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
3&4-Methylphenol (m&p-cresol)	ND	10		ug/L	11/03/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	5.0		ug/L	11/03/14	DD	SW8270
3-Nitroaniline	ND	5.0		ug/L	11/03/14	DD	SW8270
4,6-Dinitro-2-methylphenol	ND	1.0		ug/L	11/03/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/03/14	DD	SW8270
4-Chloro-3-methylphenol	ND	1.0		ug/L	11/03/14	DD	SW8270
4-Chloroaniline	ND	5.0		ug/L	11/03/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	1.0		ug/L	11/03/14	DD	SW8270
4-Nitroaniline	ND	5.0		ug/L	11/03/14	DD	SW8270
4-Nitrophenol	ND	1.0		ug/L	11/03/14	DD	SW8270
Acetophenone	ND	5.0		ug/L	11/03/14	DD	SW8270
Aniline	ND	5.0		ug/L	11/03/14	DD	SW8270
Benzidine	ND	50		ug/L	11/03/14	DD	SW8270
Benzoic acid	ND	50		ug/L	11/03/14	DD	SW8270
Benzyl butyl phthalate	ND	5.0		ug/L	11/03/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/03/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	1.0		ug/L	11/03/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/03/14	DD	SW8270
Carbazole	ND	5.0		ug/L	11/03/14	DD	SW8270
Dibenzofuran	ND	5.0		ug/L	11/03/14	DD	SW8270
Diethyl phthalate	ND	5.0		ug/L	11/03/14	DD	SW8270
Dimethylphthalate	ND	5.0		ug/L	11/03/14	DD	SW8270
Di-n-butylphthalate	ND	5.0		ug/L	11/03/14	DD	SW8270
Di-n-octylphthalate	ND	5.0		ug/L	11/03/14	DD	SW8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/03/14	DD	SW8270
Isophorone	ND	5.0		ug/L	11/03/14	DD	SW8270
N-Nitrosodimethylamine	ND	5.0		ug/L	11/03/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/03/14	DD	SW8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/03/14	DD	SW8270
Phenol	ND	1.0		ug/L	11/03/14	DD	SW8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	93			%	11/03/14	DD	15 - 110 %
% 2-Fluorobiphenyl	45			%	11/03/14	DD	30 - 130 %
% 2-Fluorophenol	23			%	11/03/14	DD	15 - 110 %
% Nitrobenzene-d5	35			%	11/03/14	DD	30 - 130 %
% Phenol-d5	35			%	11/03/14	DD	15 - 110 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Terphenyl-d14	56			%	11/03/14	DD	30 - 130 %
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM)
2-Methylnaphthalene	ND	1.0		ug/L	11/02/14	DD	SW8270 (SIM) B
Acenaphthene	ND	0.05		ug/L	11/02/14	DD	SW8270 (SIM)
Acenaphthylene	ND	0.05		ug/L	11/02/14	DD	SW8270 (SIM)
Anthracene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Benz(a)anthracene	0.02	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Benzo(ghi)perylene	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM) B
Chrysene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.01		ug/L	11/02/14	DD	SW8270 (SIM)
Fluoranthene	ND	0.04		ug/L	11/02/14	DD	SW8270 (SIM)
Fluorene	ND	0.10		ug/L	11/02/14	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.04		ug/L	11/02/14	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM)
Hexachloroethane	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Naphthalene	ND	0.10		ug/L	11/02/14	DD	SW8270 (SIM)
Nitrobenzene	ND	0.10		ug/L	11/02/14	DD	SW8270 (SIM)
Pentachloronitrobenzene	ND	0.10		ug/L	11/02/14	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.80		ug/L	11/02/14	DD	SW8270 (SIM)
Phenanthrene	ND	0.05		ug/L	11/02/14	DD	SW8270 (SIM)
Pyrene	ND	0.02		ug/L	11/02/14	DD	SW8270 (SIM)
Pyridine	ND	0.50		ug/L	11/02/14	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	93			%	11/02/14	DD	15 - 110 %
% 2-Fluorobiphenyl	45			%	11/02/14	DD	30 - 130 %
% 2-Fluorophenol	23			%	11/02/14	DD	15 - 110 %
% Nitrobenzene-d5	35			%	11/02/14	DD	30 - 130 %
% Phenol-d5	35			%	11/02/14	DD	15 - 110 %
% Terphenyl-d14	56			%	11/02/14	DD	30 - 130 %

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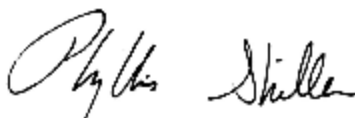
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

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 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOLID
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	12:00
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33875

Project ID: 14-076-00
Client ID: SB1 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	10/30/14	LK	SW6010
Aluminum	15200	57	mg/Kg	10/30/14	LK	SW6010
Arsenic	5.9	0.8	mg/Kg	10/30/14	LK	SW6010
Barium	45.9	0.38	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.46	0.31	mg/Kg	10/30/14	LK	SW6010
Calcium	725	5.7	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.38	0.38	mg/Kg	10/30/14	LK	SW6010
Cobalt	13.6	0.38	mg/Kg	10/30/14	LK	SW6010
Chromium	32.3	0.38	mg/Kg	10/30/14	LK	SW6010
Copper	27.5	0.38	mg/kg	10/30/14	LK	SW6010
Iron	24200	57	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	10/30/14	RS	SW-7471
Potassium	1830	5.7	mg/Kg	10/30/14	LK	SW6010
Magnesium	5480	5.7	mg/Kg	10/30/14	LK	SW6010
Manganese	483	3.8	mg/Kg	10/30/14	LK	SW6010
Sodium	473	5.7	mg/Kg	10/30/14	LK	SW6010
Nickel	20.8	0.38	mg/Kg	10/30/14	LK	SW6010
Lead	8.45	0.38	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.8	3.8	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.5	1.5	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.4	3.4	mg/Kg	10/30/14	LK	SW6010
Vanadium	41.2	0.38	mg/Kg	10/30/14	LK	SW6010
Zinc	45.4	0.38	mg/Kg	10/30/14	LK	SW6010
Percent Solid	85		%	10/29/14	I	E160.3
Chromium, Hexavalent	< 0.47	0.47	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	8.35	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	140	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.49	0.49	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	380	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	380	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	103		%	10/30/14	AW	30 - 150 %
% TCMX	112		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.6	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	7.6	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	7.6	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.8	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	38	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.8	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	7.6	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.5	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	7.6	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	38	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	150	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	95		%	10/31/14	CE	30 - 150 %
% TCMX	94		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	270	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	270	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	270	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1500	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	380	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	270	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	270	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	270	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	270	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	270	ug/Kg	10/30/14	DD	SW8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	76		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	66		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	69		%	10/30/14	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.

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

BRL=Below Reporting Level

Comments:

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

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

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

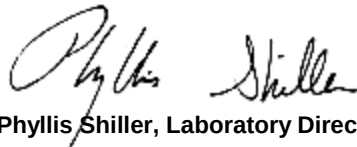
Hexavalent Chromium:

This sample is in a reducing state.

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

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

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Phyllis Shiller, Laboratory Director

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	12:30
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33876

Project ID: 14-076-00
Client ID: SB2 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	10/30/14	LK	SW6010
Aluminum	4760	52	mg/Kg	10/30/14	LK	SW6010
Arsenic	2.0	0.7	mg/Kg	10/30/14	LK	SW6010
Barium	37.3	0.35	mg/Kg	10/30/14	LK	SW6010
Beryllium	< 0.28	0.28	mg/Kg	10/30/14	LK	SW6010
Calcium	71000	52	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.35	0.35	mg/Kg	10/30/14	LK	SW6010
Cobalt	3.04	0.35	mg/Kg	10/30/14	LK	SW6010
Chromium	9.21	0.35	mg/Kg	10/30/14	LK	SW6010
Copper	18.9	0.35	mg/kg	10/30/14	LK	SW6010
Iron	8240	5.2	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	10/30/14	RS	SW-7471
Potassium	763	5.2	mg/Kg	10/30/14	LK	SW6010
Magnesium	22100	52	mg/Kg	10/30/14	LK	SW6010
Manganese	174	3.5	mg/Kg	10/30/14	LK	SW6010
Sodium	296	5.2	mg/Kg	10/30/14	LK	SW6010
Nickel	6.76	0.35	mg/Kg	10/30/14	LK	SW6010
Lead	31.7	0.35	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.5	3.5	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.1	3.1	mg/Kg	10/30/14	LK	SW6010
Vanadium	11.7	0.35	mg/Kg	10/30/14	LK	SW6010
Zinc	101	0.35	mg/Kg	10/30/14	LK	SW6010
Percent Solid	88		%	10/29/14	I	E160.3
Chromium, Hexavalent	0.970	0.45	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	11.70	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	89	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.52	0.52	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	370	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	370	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	111		%	10/30/14	AW	30 - 150 %
% TCMX	110		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.5	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	7.5	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	7.5	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.7	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	37	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.7	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	7.5	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.5	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	7.5	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	37	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	150	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	94		%	10/31/14	CE	30 - 150 %
% TCMX	91		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	260	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	260	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	260	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	260	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	260	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	260	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	260	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	260	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	260	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	260	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	260	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	260	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1500	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	380	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	260	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	260	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	260	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	260	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	260	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	260	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	260	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	260	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	260	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	260	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	260	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	260	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	260	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	260	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	260	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	260	ug/Kg	10/30/14	DD	SW8270

1

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	91		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	83		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	75		%	10/30/14	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.

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

Comments:

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

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

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

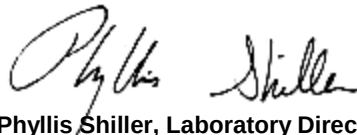
Hexavalent Chromium:

This sample is in a reducing state.

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

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

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Phyllis Shiller, Laboratory Director

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
10/23/14 9:30
10/29/14 17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33877

Project ID: 14-076-00
Client ID: SB3 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	10/30/14	LK	SW6010
Aluminum	16100	64	mg/Kg	10/30/14	LK	SW6010
Arsenic	4.5	0.9	mg/Kg	10/30/14	LK	SW6010
Barium	81.5	0.43	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.57	0.34	mg/Kg	10/30/14	LK	SW6010
Calcium	1210	6.4	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.43	0.43	mg/Kg	10/30/14	LK	SW6010
Cobalt	10.1	0.43	mg/Kg	10/30/14	LK	SW6010
Chromium	24.7	0.43	mg/Kg	10/30/14	LK	SW6010
Copper	17.2	0.43	mg/kg	10/30/14	LK	SW6010
Iron	23800	64	mg/Kg	10/30/14	LK	SW6010
Mercury	0.34	0.08	mg/Kg	10/30/14	RS	SW-7471
Potassium	1080	6.4	mg/Kg	10/30/14	LK	SW6010
Magnesium	3400	6.4	mg/Kg	10/30/14	LK	SW6010
Manganese	515	4.3	mg/Kg	10/30/14	LK	SW6010
Sodium	419	6.4	mg/Kg	10/30/14	LK	SW6010
Nickel	14.1	0.43	mg/Kg	10/30/14	LK	SW6010
Lead	18.9	0.43	mg/Kg	10/30/14	LK	SW6010
Antimony	< 4.3	4.3	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.7	1.7	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.8	3.8	mg/Kg	10/30/14	LK	SW6010
Vanadium	31.3	0.43	mg/Kg	10/30/14	LK	SW6010
Zinc	43.8	0.43	mg/Kg	10/30/14	LK	SW6010
Percent Solid	84		%	10/29/14	I	E160.3
Chromium, Hexavalent	< 0.48	0.48	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	7.97	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	140	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.60	0.60	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	390	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	110		%	10/30/14	AW	30 - 150 %
% TCMX	102		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.8	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	7.8	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	7.8	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.9	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	39	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.9	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	7.8	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.6	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	39	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	160	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	92		%	10/31/14	CE	30 - 150 %
% TCMX	90		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	270	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	270	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	270	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1100	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	270	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	390	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	270	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	270	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	270	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	270	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	270	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	270	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	270	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	270	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	270	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	270	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	270	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	270	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	270	ug/Kg	10/30/14	DD	SW8270

1

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	75		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	70		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	83		%	10/30/14	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.

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

BRL=Below Reporting Level

Comments:

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

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

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

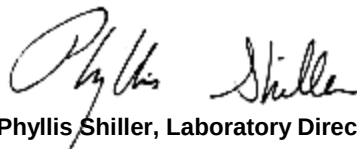
Hexavalent Chromium:

This sample is in a reducing state.

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

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

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Phyllis Shiller, Laboratory Director

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	10:30
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33878

Project ID: 14-076-00
Client ID: SB4 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	10/30/14	LK	SW6010
Aluminum	8760	49	mg/Kg	10/30/14	LK	SW6010
Arsenic	1.0	0.6	mg/Kg	10/30/14	LK	SW6010
Barium	51.2	0.32	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.33	0.26	mg/Kg	10/30/14	LK	SW6010
Calcium	6690	4.9	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.32	0.32	mg/Kg	10/30/14	LK	SW6010
Cobalt	7.74	0.32	mg/Kg	10/30/14	LK	SW6010
Chromium	20.5	0.32	mg/Kg	10/30/14	LK	SW6010
Copper	24.4	0.32	mg/kg	10/30/14	LK	SW6010
Iron	14000	49	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	10/30/14	RS	SW-7471
Potassium	1980	4.9	mg/Kg	10/30/14	LK	SW6010
Magnesium	4870	49	mg/Kg	10/30/14	LK	SW6010
Manganese	284	3.2	mg/Kg	10/30/14	LK	SW6010
Sodium	185	4.9	mg/Kg	10/30/14	LK	SW6010
Nickel	14.6	0.32	mg/Kg	10/30/14	LK	SW6010
Lead	12.3	0.32	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.2	3.2	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	10/30/14	LK	SW6010
Thallium	< 2.9	2.9	mg/Kg	10/30/14	LK	SW6010
Vanadium	24.5	0.32	mg/Kg	10/30/14	LK	SW6010
Zinc	43.4	0.32	mg/Kg	10/30/14	LK	SW6010
Percent Solid	99		%	10/29/14	I	E160.3
Chromium, Hexavalent	< 0.40	0.40	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	8.41	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	140	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.51	0.51	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	330	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	109		%	10/30/14	AW	30 - 150 %
% TCMX	112		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	6.7	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	6.7	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	6.7	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.3	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	33	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.3	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	6.7	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.3	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	6.7	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	33	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	130	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	98		%	10/31/14	CE	30 - 150 %
% TCMX	93		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	330	ug/Kg	10/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	530	ug/Kg	10/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Chlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Nitroaniline	ND	530	ug/Kg	10/30/14	DD	SW 8270
2-Nitrophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	330	ug/Kg	10/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230	ug/Kg	10/30/14	DD	SW 8270
3-Nitroaniline	ND	530	ug/Kg	10/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	960	ug/Kg	10/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	10/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Chloroaniline	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Nitroaniline	ND	530	ug/Kg	10/30/14	DD	SW 8270
4-Nitrophenol	ND	960	ug/Kg	10/30/14	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Acetophenone	ND	230	ug/Kg	10/30/14	DD	SW 8270
Aniline	ND	960	ug/Kg	10/30/14	DD	SW 8270
Anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzidine	ND	400	ug/Kg	10/30/14	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzoic acid	ND	960	ug/Kg	10/30/14	DD	SW 8270
Benzyl butyl phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	10/30/14	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Carbazole	ND	500	ug/Kg	10/30/14	DD	SW 8270
Chrysene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dibenzofuran	ND	230	ug/Kg	10/30/14	DD	SW 8270
Diethyl phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dimethylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Di-n-butylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Di-n-octylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Fluorene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorobutadiene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachloroethane	ND	230	ug/Kg	10/30/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Isophorone	ND	230	ug/Kg	10/30/14	DD	SW 8270
Naphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Nitrobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	10/30/14	DD	SW 8270
Pentachloronitrobenzene	ND	330	ug/Kg	10/30/14	DD	SW 8270
Pentachlorophenol	ND	330	ug/Kg	10/30/14	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Phenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
Pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Pyridine	ND	330	ug/Kg	10/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	79		%	10/30/14	DD	30 - 130 %
% 2-Fluorobiphenyl	91		%	10/30/14	DD	30 - 130 %
% 2-Fluorophenol	65		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	80		%	10/30/14	DD	30 - 130 %
% Phenol-d5	72		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	79		%	10/30/14	DD	30 - 130 %

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

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

BRL=Below Reporting Level

Comments:

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

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

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

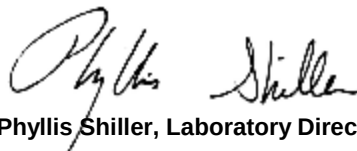
Hexavalent Chromium:

This sample is in a reducing state.

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

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

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Phyllis Shiller, Laboratory Director

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	10:20
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33879

Project ID: 14-076-00
Client ID: SB5 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.30	0.30	mg/Kg	10/30/14	LK	SW6010
Aluminum	11100	46	mg/Kg	10/30/14	LK	SW6010
Arsenic	2.4	0.6	mg/Kg	10/30/14	LK	SW6010
Barium	62.8	0.30	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.33	0.24	mg/Kg	10/30/14	LK	SW6010
Calcium	2150	4.6	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.30	0.30	mg/Kg	10/30/14	LK	SW6010
Cobalt	9.92	0.30	mg/Kg	10/30/14	LK	SW6010
Chromium	26.8	0.30	mg/Kg	10/30/14	LK	SW6010
Copper	24.2	0.30	mg/kg	10/30/14	LK	SW6010
Iron	18200	46	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	10/30/14	RS	SW-7471
Potassium	2290	4.6	mg/Kg	10/30/14	LK	SW6010
Magnesium	5750	46	mg/Kg	10/30/14	LK	SW6010
Manganese	389	3.0	mg/Kg	10/30/14	LK	SW6010
Sodium	200	4.6	mg/Kg	10/30/14	LK	SW6010
Nickel	20.5	0.30	mg/Kg	10/30/14	LK	SW6010
Lead	5.28	0.30	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.0	3.0	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.2	1.2	mg/Kg	10/30/14	LK	SW6010
Thallium	< 2.7	2.7	mg/Kg	10/30/14	LK	SW6010
Vanadium	31.2	0.30	mg/Kg	10/30/14	LK	SW6010
Zinc	45.8	0.30	mg/Kg	10/30/14	LK	SW6010
Percent Solid	99		%	10/29/14	I	E160.3
Chromium, Hexavalent	0.650	0.40	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	8.39	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	150	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.51	0.51	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	330	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	330	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	91		%	10/30/14	AW	30 - 150 %
% TCMX	91		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	6.6	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	6.6	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	6.6	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.3	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	33	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.3	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	6.6	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.3	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	6.6	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	33	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	130	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	83		%	10/31/14	CE	30 - 150 %
% TCMX	83		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,2,4-Trichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,2-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	340	ug/Kg	10/30/14	DD	SW 8270
1,3-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
1,4-Dichlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4,5-Trichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4,6-Trichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dichlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dimethylphenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,4-Dinitrophenol	ND	540	ug/Kg	10/30/14	DD	SW 8270
2,4-Dinitrotoluene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2,6-Dinitrotoluene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Chloronaphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Chlorophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Methylnaphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230	ug/Kg	10/30/14	DD	SW 8270
2-Nitroaniline	ND	540	ug/Kg	10/30/14	DD	SW 8270
2-Nitrophenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	10/30/14	DD	SW 8270
3,3'-Dichlorobenzidine	ND	230	ug/Kg	10/30/14	DD	SW 8270
3-Nitroaniline	ND	540	ug/Kg	10/30/14	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	970	ug/Kg	10/30/14	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340	ug/Kg	10/30/14	DD	SW 8270
4-Chloro-3-methylphenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Chloroaniline	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	230	ug/Kg	10/30/14	DD	SW 8270
4-Nitroaniline	ND	540	ug/Kg	10/30/14	DD	SW 8270
4-Nitrophenol	ND	970	ug/Kg	10/30/14	DD	SW 8270
Acenaphthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Acenaphthylene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Acetophenone	ND	230	ug/Kg	10/30/14	DD	SW 8270
Aniline	ND	970	ug/Kg	10/30/14	DD	SW 8270
Anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benz(a)anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzidine	ND	400	ug/Kg	10/30/14	DD	SW 8270
Benzo(a)pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(b)fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(ghi)perylene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzo(k)fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Benzoic acid	ND	970	ug/Kg	10/30/14	DD	SW 8270 1
Benzyl butyl phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	230	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340	ug/Kg	10/30/14	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	230	ug/Kg	10/30/14	DD	SW 8270 1
Bis(2-ethylhexyl)phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Carbazole	ND	500	ug/Kg	10/30/14	DD	SW 8270
Chrysene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dibenz(a,h)anthracene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dibenzofuran	ND	230	ug/Kg	10/30/14	DD	SW 8270
Diethyl phthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Dimethylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Di-n-butylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Di-n-octylphthalate	ND	230	ug/Kg	10/30/14	DD	SW 8270
Fluoranthene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Fluorene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorobutadiene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachlorocyclopentadiene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Hexachloroethane	ND	230	ug/Kg	10/30/14	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Isophorone	ND	230	ug/Kg	10/30/14	DD	SW 8270
Naphthalene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Nitrobenzene	ND	230	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodimethylamine	ND	340	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	230	ug/Kg	10/30/14	DD	SW 8270
N-Nitrosodiphenylamine	ND	340	ug/Kg	10/30/14	DD	SW 8270
Pentachloronitrobenzene	ND	340	ug/Kg	10/30/14	DD	SW 8270
Pentachlorophenol	ND	340	ug/Kg	10/30/14	DD	SW 8270
Phenanthrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Phenol	ND	230	ug/Kg	10/30/14	DD	SW 8270
Pyrene	ND	230	ug/Kg	10/30/14	DD	SW 8270
Pyridine	ND	340	ug/Kg	10/30/14	DD	SW 8270
<u>QA/QC Surrogates</u>						
% 2,4,6-Tribromophenol	68		%	10/30/14	DD	30 - 130 %
% 2-Fluorobiphenyl	72		%	10/30/14	DD	30 - 130 %
% 2-Fluorophenol	58		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	69		%	10/30/14	DD	30 - 130 %
% Phenol-d5	65		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	69		%	10/30/14	DD	30 - 130 %

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

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

BRL=Below Reporting Level

Comments:

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

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

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

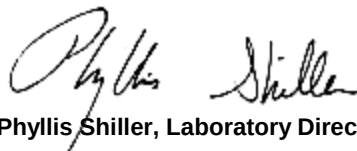
Hexavalent Chromium:

This sample is in a reducing state.

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

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

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Phyllis Shiller, Laboratory Director

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
10/23/14 12:15
10/29/14 17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33880

Project ID: 14-076-00
Client ID: SB1 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	10/30/14	LK	SW6010
Aluminum	14100	60	mg/Kg	10/30/14	LK	SW6010
Arsenic	1.1	0.8	mg/Kg	10/30/14	LK	SW6010
Barium	74.4	0.40	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.53	0.32	mg/Kg	10/30/14	LK	SW6010
Calcium	2130	6.0	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.40	0.40	mg/Kg	10/30/14	LK	SW6010
Cobalt	11.5	0.40	mg/Kg	10/30/14	LK	SW6010
Chromium	29.9	0.40	mg/Kg	10/30/14	LK	SW6010
Copper	24.6	0.40	mg/kg	10/30/14	LK	SW6010
Iron	22400	60	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	10/30/14	RS	SW-7471
Potassium	2720	6.0	mg/Kg	10/30/14	LK	SW6010
Magnesium	7270	60	mg/Kg	10/30/14	LK	SW6010
Manganese	435	4.0	mg/Kg	10/30/14	LK	SW6010
Sodium	397	6.0	mg/Kg	10/30/14	LK	SW6010
Nickel	23.9	0.40	mg/Kg	10/30/14	LK	SW6010
Lead	5.19	0.40	mg/Kg	10/30/14	LK	SW6010
Antimony	< 4.0	4.0	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.6	3.6	mg/Kg	10/30/14	LK	SW6010
Vanadium	39.2	0.40	mg/Kg	10/30/14	LK	SW6010
Zinc	55.6	0.40	mg/Kg	10/30/14	LK	SW6010
Percent Solid	83		%	10/29/14	I	E160.3
Chromium, Hexavalent	0.550	0.48	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	8.64	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	170	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.60	0.60	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	390	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	390	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	97		%	10/30/14	AW	30 - 150 %
% TCMX	91		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.8	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	7.8	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	7.8	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.9	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	39	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.9	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	7.8	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.6	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	7.8	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	39	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	160	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	79		%	10/31/14	CE	30 - 150 %
% TCMX	83		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	280	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	280	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	280	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	280	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	280	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	280	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	280	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	280	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	280	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	280	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	280	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	280	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	400	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	280	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	280	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	280	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	280	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	280	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	280	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	280	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	280	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	280	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	280	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	280	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	280	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	280	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	280	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	280	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	280	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	280	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	280	ug/Kg	10/30/14	DD	SW8270

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1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	280	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	80		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	71		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	73		%	10/30/14	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.

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

Comments:

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

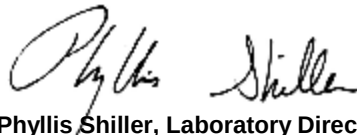
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

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

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
10/23/14 12:45
10/29/14 17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33881

Project ID: 14-076-00
Client ID: SB2 (12-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	10/30/14	LK	SW6010
Aluminum	15200	49	mg/Kg	10/30/14	LK	SW6010
Arsenic	< 0.6	0.6	mg/Kg	10/30/14	LK	SW6010
Barium	119	0.32	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.51	0.26	mg/Kg	10/30/14	LK	SW6010
Calcium	2530	4.9	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.32	0.32	mg/Kg	10/30/14	LK	SW6010
Cobalt	15.9	0.32	mg/Kg	10/30/14	LK	SW6010
Chromium	37.9	0.32	mg/Kg	10/30/14	LK	SW6010
Copper	37.0	0.32	mg/kg	10/30/14	LK	SW6010
Iron	25800	49	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.06	0.06	mg/Kg	10/30/14	RS	SW-7471
Potassium	5490	49	mg/Kg	10/30/14	LK	SW6010
Magnesium	8100	49	mg/Kg	10/30/14	LK	SW6010
Manganese	539	3.2	mg/Kg	10/30/14	LK	SW6010
Sodium	195	4.9	mg/Kg	10/30/14	LK	SW6010
Nickel	24.1	0.32	mg/Kg	10/30/14	LK	SW6010
Lead	4.73	0.32	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.2	3.2	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.3	1.3	mg/Kg	10/30/14	LK	SW6010
Thallium	< 2.9	2.9	mg/Kg	10/30/14	LK	SW6010
Vanadium	46.0	0.32	mg/Kg	10/30/14	LK	SW6010
Zinc	73.8	0.32	mg/Kg	10/30/14	LK	SW6010
Percent Solid	92		%	10/29/14	I	E160.3
Chromium, Hexavalent	< 0.43	0.43	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	6.82	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	220	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.49	0.49	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	BJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	360	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	360	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	100		%	10/30/14	AW	30 - 150 %
% TCMX	107		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.1	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	7.1	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	7.1	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.6	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	36	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.6	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	7.1	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.4	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	7.1	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	36	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	140	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	94		%	10/31/14	CE	30 - 150 %
% TCMX	92		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	250	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	250	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	250	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	250	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	250	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	250	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	250	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	250	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	250	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	250	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	250	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	250	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1400	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	360	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	250	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	250	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	250	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	250	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	250	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	250	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	250	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	250	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	250	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	250	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	250	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	250	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	250	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	250	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	250	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	250	ug/Kg	10/30/14	DD	SW8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	250	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	89		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	80		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	88		%	10/30/14	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.

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

Comments:

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

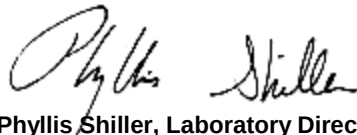
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

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

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	14:45
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33882

Project ID: 14-076-00
Client ID: SB3 (12-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	10/30/14	LK	SW6010
Aluminum	17300	59	mg/Kg	10/30/14	LK	SW6010
Arsenic	1.6	0.8	mg/Kg	10/30/14	LK	SW6010
Barium	115	0.39	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.72	0.31	mg/Kg	10/30/14	LK	SW6010
Calcium	1940	5.9	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.39	0.39	mg/Kg	10/30/14	LK	SW6010
Cobalt	13.3	0.39	mg/Kg	10/30/14	LK	SW6010
Chromium	30.9	0.39	mg/Kg	10/30/14	LK	SW6010
Copper	29.1	0.39	mg/kg	10/30/14	LK	SW6010
Iron	26200	59	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.09	0.09	mg/Kg	10/30/14	RS	SW-7471
Potassium	3200	5.9	mg/Kg	10/30/14	LK	SW6010
Magnesium	8350	59	mg/Kg	10/30/14	LK	SW6010
Manganese	582	3.9	mg/Kg	10/30/14	LK	SW6010
Sodium	229	5.9	mg/Kg	10/30/14	LK	SW6010
Nickel	25.1	0.39	mg/Kg	10/30/14	LK	SW6010
Lead	6.04	0.39	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.9	3.9	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.6	1.6	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.5	3.5	mg/Kg	10/30/14	LK	SW6010
Vanadium	42.4	0.39	mg/Kg	10/30/14	LK	SW6010
Zinc	63.2	0.39	mg/Kg	10/30/14	LK	SW6010
Percent Solid	78		%	10/29/14	I	E160.3
Chromium, Hexavalent	0.670	0.49	mg/Kg	10/30/14 12:08	SCI/KDB	SW3060/7196
pH - Soil	7.12	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	210	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.64	0.64	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	JJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	430	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	430	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	100		%	10/30/14	AW	30 - 150 %
% TCMX	108		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	8.5	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	8.5	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	8.5	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	4.3	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	43	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	4.3	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	8.5	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.7	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	8.5	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	43	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	170	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	88		%	10/31/14	CE	30 - 150 %
% TCMX	88		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	290	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	290	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1700	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	290	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1700	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	420	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	290	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	290	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	290	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	290	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	290	ug/Kg	10/30/14	DD	SW8270

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Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	80		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	67		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	110		%	10/30/14	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.

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

Comments:

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

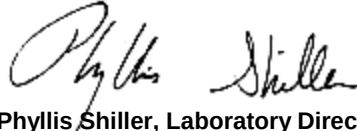
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

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

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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



Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
10/23/14	10:45
10/29/14	17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33883

Project ID: 14-076-00
Client ID: SB4 (12-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	10/30/14	LK	SW6010
Aluminum	16400	54	mg/Kg	10/30/14	LK	SW6010
Arsenic	2.5	0.7	mg/Kg	10/30/14	LK	SW6010
Barium	113	0.36	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.49	0.29	mg/Kg	10/30/14	LK	SW6010
Calcium	2020	5.4	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.36	0.36	mg/Kg	10/30/14	LK	SW6010
Cobalt	14.2	0.36	mg/Kg	10/30/14	LK	SW6010
Chromium	43.3	0.36	mg/Kg	10/30/14	LK	SW6010
Copper	30.7	0.36	mg/kg	10/30/14	LK	SW6010
Iron	25600	54	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.07	0.07	mg/Kg	10/30/14	RS	SW-7471
Potassium	4270	54	mg/Kg	10/30/14	LK	SW6010
Magnesium	8200	54	mg/Kg	10/30/14	LK	SW6010
Manganese	467	3.6	mg/Kg	10/30/14	LK	SW6010
Sodium	189	5.4	mg/Kg	10/30/14	LK	SW6010
Nickel	21.4	0.36	mg/Kg	10/30/14	LK	SW6010
Lead	3.72	0.36	mg/Kg	10/30/14	LK	SW6010
Antimony	< 3.6	3.6	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.4	1.4	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.2	3.2	mg/Kg	10/30/14	LK	SW6010
Vanadium	48.5	0.36	mg/Kg	10/30/14	LK	SW6010
Zinc	60.6	0.36	mg/Kg	10/30/14	LK	SW6010
Percent Solid	94		%	10/29/14	I	E160.3
Chromium, Hexavalent	< 0.43	0.43	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	8.15	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	200	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.53	0.53	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	JJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	340	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	340	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	121		%	10/30/14	AW	30 - 150 %
% TCMX	97		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	6.9	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	6.9	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	6.9	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	3.4	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	34	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	3.4	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	6.9	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.4	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	6.9	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	34	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	140	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	92		%	10/31/14	CE	30 - 150 %
% TCMX	93		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	240	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	240	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	240	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	240	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	240	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	240	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	240	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	240	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	240	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	240	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1000	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	240	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	240	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1400	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	350	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	240	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	240	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	240	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	240	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	240	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	240	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	240	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	240	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	240	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	240	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	240	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	240	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	240	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	240	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	240	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	240	ug/Kg	10/30/14	DD	SW8270

1

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	240	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	84		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	81		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	101		%	10/30/14	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.

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

Comments:

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

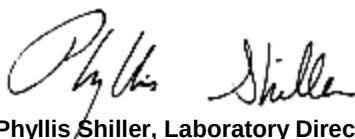
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

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

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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

Analysis Report

November 06, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GROUND WATER
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
10/23/14 11:00
10/29/14 17:40

Laboratory Data

SDG ID: GBH33873
Phoenix ID: BH33884

Project ID: 14-076-00
Client ID: SB5 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	10/30/14	LK	SW6010
Aluminum	15900	63	mg/Kg	10/30/14	LK	SW6010
Arsenic	2.6	0.8	mg/Kg	10/30/14	LK	SW6010
Barium	103	0.42	mg/Kg	10/30/14	LK	SW6010
Beryllium	0.53	0.34	mg/Kg	10/30/14	LK	SW6010
Calcium	2770	6.3	mg/Kg	10/30/14	LK	SW6010
Cadmium	< 0.42	0.42	mg/Kg	10/30/14	LK	SW6010
Cobalt	14.2	0.42	mg/Kg	10/30/14	LK	SW6010
Chromium	38.8	0.42	mg/Kg	10/30/14	LK	SW6010
Copper	34.2	0.42	mg/kg	10/30/14	LK	SW6010
Iron	26300	63	mg/Kg	10/30/14	LK	SW6010
Mercury	< 0.08	0.08	mg/Kg	10/30/14	RS	SW-7471
Potassium	4260	63	mg/Kg	10/30/14	LK	SW6010
Magnesium	8770	63	mg/Kg	10/30/14	LK	SW6010
Manganese	494	4.2	mg/Kg	10/30/14	LK	SW6010
Sodium	243	6.3	mg/Kg	10/30/14	LK	SW6010
Nickel	25.7	0.42	mg/Kg	10/30/14	LK	SW6010
Lead	5.07	0.42	mg/Kg	10/30/14	LK	SW6010
Antimony	< 4.2	4.2	mg/Kg	10/30/14	LK	SW6010
Selenium	< 1.7	1.7	mg/Kg	10/30/14	LK	SW6010
Thallium	< 3.8	3.8	mg/Kg	10/30/14	LK	SW6010
Vanadium	43.9	0.42	mg/Kg	10/30/14	LK	SW6010
Zinc	67.2	0.42	mg/Kg	10/30/14	LK	SW6010
Percent Solid	79		%	10/29/14	I	E160.3
Chromium, Hexavalent	0.600	0.49	mg/Kg	10/30/14 12:08	SC/KDB	SW3060/7196
pH - Soil	7.85	0.10	pH Units	10/29/14 20:30	DH/KDB	4500-H B/9045 1
Redox Potential	200	1.0	mV	10/29/14	DH/KDB	SM2580B 1
Total Cyanide	< 0.58	0.58	mg/Kg	10/30/14	O/EG	SW 9010/9012

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Soil Extraction for PCB	Completed			10/29/14	BB/H	SW3545
Soil Extraction for Pesticide	Completed			10/29/14	BB	SW3545
Soil Extraction for SVOA	Completed			10/29/14	JJ/VH	SW3545
Mercury Digestion	Completed			10/30/14	WI/WI	SW7471
Total Metals Digest	Completed			10/29/14	CB/AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1221	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1232	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1242	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1248	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1254	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1260	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1262	ND	420	ug/Kg	10/30/14	AW	SW 8082
PCB-1268	ND	420	ug/Kg	10/30/14	AW	SW 8082

QA/QC Surrogates

% DCBP	118		%	10/30/14	AW	30 - 150 %
% TCMX	94		%	10/30/14	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	8.4	ug/Kg	10/31/14	CE	SW8081
4,4' -DDE	ND	8.4	ug/Kg	10/31/14	CE	SW8081
4,4' -DDT	ND	8.4	ug/Kg	10/31/14	CE	SW8081
a-BHC	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Alachlor	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Aldrin	ND	4.2	ug/Kg	10/31/14	CE	SW8081
b-BHC	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Chlordane	ND	42	ug/Kg	10/31/14	CE	SW8081
d-BHC	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Dieldrin	ND	4.2	ug/Kg	10/31/14	CE	SW8081
Endosulfan I	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Endosulfan II	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Endosulfan sulfate	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Endrin	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Endrin aldehyde	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Endrin ketone	ND	8.4	ug/Kg	10/31/14	CE	SW8081
g-BHC	ND	1.7	ug/Kg	10/31/14	CE	SW8081
Heptachlor	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Heptachlor epoxide	ND	8.4	ug/Kg	10/31/14	CE	SW8081
Methoxychlor	ND	42	ug/Kg	10/31/14	CE	SW8081
Toxaphene	ND	170	ug/Kg	10/31/14	CE	SW8081

QA/QC Surrogates

% DCBP	91		%	10/31/14	CE	30 - 150 %
% TCMX	93		%	10/31/14	CE	30 - 150 %

Semivolatiles

1,2-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
1,2-Diphenylhydrazine	ND	290	ug/Kg	10/30/14	DD	SW8270
1,3-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
2,4-Dinitrotoluene	ND	290	ug/Kg	10/30/14	DD	SW8270
2,6-Dinitrotoluene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Chloronaphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Methylnaphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
2-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
3,3'-Dichlorobenzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
3-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
4-Bromophenyl phenyl ether	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Chloroaniline	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	10/30/14	DD	SW8270
4-Nitroaniline	ND	1200	ug/Kg	10/30/14	DD	SW8270
Acenaphthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Acenaphthylene	ND	290	ug/Kg	10/30/14	DD	SW8270
Anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benz(a)anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzidine	ND	1600	ug/Kg	10/30/14	DD	SW8270
Benzo(a)pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(b)fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(ghi)perylene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzo(k)fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzoic acid	ND	410	ug/Kg	10/30/14	DD	SW8270
Benzyl alcohol	ND	290	ug/Kg	10/30/14	DD	SW8270
Benzyl butyl phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroethyl)ether	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	10/30/14	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Chrysene	ND	290	ug/Kg	10/30/14	DD	SW8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	10/30/14	DD	SW8270
Dibenzofuran	ND	290	ug/Kg	10/30/14	DD	SW8270
Diethyl phthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Dimethylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Di-n-butylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Di-n-octylphthalate	ND	290	ug/Kg	10/30/14	DD	SW8270
Fluoranthene	ND	290	ug/Kg	10/30/14	DD	SW8270
Fluorene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorobutadiene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	10/30/14	DD	SW8270
Hexachloroethane	ND	290	ug/Kg	10/30/14	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
Isophorone	ND	290	ug/Kg	10/30/14	DD	SW8270
Naphthalene	ND	290	ug/Kg	10/30/14	DD	SW8270
Nitrobenzene	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodimethylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
N-Nitrosodiphenylamine	ND	290	ug/Kg	10/30/14	DD	SW8270
Phenanthrene	ND	290	ug/Kg	10/30/14	DD	SW8270

1

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Pyrene	ND	290	ug/Kg	10/30/14	DD	SW8270
<u>QA/QC Surrogates</u>						
% 2-Fluorobiphenyl	71		%	10/30/14	DD	30 - 130 %
% Nitrobenzene-d5	61		%	10/30/14	DD	30 - 130 %
% Terphenyl-d14	108		%	10/30/14	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 Quantitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

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

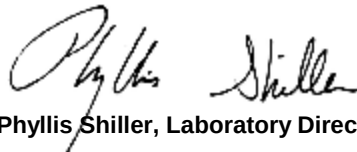
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

Hexavalent Chromium:
This sample is in a reducing state.

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

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

November 06, 2014

Reviewed and Released by: Sarah Bell, Project Manager



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QA/QC Report

November 06, 2014

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 290220, QC Sample No: BH31537 (BH33873, BH33874)												
Selenium (Dissolved)	BRL	<0.002	<0.011	NC	116	115	0.9	93.4	94.8	1.5	75 - 125	20
Thallium (Dissolved)	BRL	<0.001	<0.005	NC	112	112	0.0	103	108	4.7	75 - 125	20
QA/QC Batch 290511, QC Sample No: BH32321 (BH33873, BH33874)												
Thallium - Water	BRL	<0.002	<0.002	NC	109	107	1.9	95.6	96.5	0.9	75 - 125	20
QA/QC Batch 290735, QC Sample No: BH32613 (BH33873, BH33874)												
<u>ICP Metals - Dissolved</u>												
Aluminum	BRL	0.07	0.13	60.0	104	101	2.9	91.2	96.6	5.8	75 - 125	20 r
Antimony	BRL	<0.005	<0.005	NC	103	99.1	3.9	90.9	94.0	3.4	75 - 125	20
Arsenic	BRL	<0.004	<0.004	NC	101	97.9	3.1	91.4	94.8	3.7	75 - 125	20
Barium	BRL	0.169	0.168	0.60	111	107	3.7	94.3	98.8	4.7	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	104	101	2.9	91.6	95.8	4.5	75 - 125	20
Cadmium	BRL	<0.001	<0.001	NC	102	98.6	3.4	88.3	91.0	3.0	75 - 125	20
Calcium	BRL	40.7	40.1	1.50	105	102	2.9	NC	NC	NC	75 - 125	20
Chromium	BRL	<0.001	<0.001	NC	102	97.8	4.2	88.9	92.0	3.4	75 - 125	20
Cobalt	BRL	<0.001	<0.001	NC	101	98.4	2.6	90.0	90.9	1.0	75 - 125	20
Copper	BRL	0.051	0.045	12.5	108	107	0.9	88.5	96.2	8.3	75 - 125	20
Iron	BRL	0.043	0.025	NC	104	100	3.9	88.6	91.6	3.3	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	103	98.4	4.6	88.7	91.7	3.3	75 - 125	20
Magnesium	BRL	6.21	6.24	0.50	105	102	2.9	NC	NC	NC	75 - 125	20
Manganese	BRL	0.001	0.001	NC	105	102	2.9	91.0	93.9	3.1	75 - 125	20
Nickel	BRL	0.005	0.019	117	108	103	4.7	91.5	95.1	3.9	75 - 125	20 r
Potassium	BRL	1.1	1.1	0	109	108	0.9	102	104	1.9	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	101	97.7	3.3	88.3	93.4	5.6	75 - 125	20
Sodium	BRL	11.7	11.7	0	93.7	88.4	5.8	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	104	100	3.9	91.8	96.7	5.2	75 - 125	20
Zinc	BRL	<0.002	0.002	NC	103	99.9	3.1	90.9	93.7	3.0	75 - 125	20

QA/QC Batch 290732, QC Sample No: BH33376 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881, BH33882, BH33883)

ICP Metals - Soil

Aluminum	BRL	8650	8640	0.10	92.7	89.5	3.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.2	<3.5	NC	80.6	73.8	8.8	87.9	83.7	4.9	75 - 125	30	i
Arsenic	BRL	2.8	3.50	NC	100	98.8	1.2	92.2	91.8	0.4	75 - 125	30	
Barium	BRL	189	230	19.6	109	106	2.8	>130	91.6	NC	75 - 125	30	m
Beryllium	BRL	0.33	0.39	NC	100	97.1	2.9	99.4	95.0	4.5	75 - 125	30	
Cadmium	BRL	1.42	1.94	NC	108	107	0.9	94.6	91.4	3.4	75 - 125	30	
Calcium	BRL	5520	5350	3.10	99.2	96.0	3.3	NC	NC	NC	75 - 125	30	
Chromium	BRL	19.9	20.8	4.40	102	98.2	3.8	99.7	97.6	2.1	75 - 125	30	
Cobalt	BRL	6.18	5.73	7.60	86.7	84.8	2.2	95.9	94.3	1.7	75 - 125	30	
Copper	BRL	136	195	35.6	93.6	92.1	1.6	>130	95.9	NC	75 - 125	30	m,r
Iron	BRL	18300	18800	2.70	82.6	77.6	6.2	NC	NC	NC	75 - 125	30	
Lead	BRL	149	161	7.70	95.6	98.1	2.6	126	89.7	33.7	75 - 125	30	m,r

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Magnesium	BRL	4050	3250	21.9	95.2	91.7	3.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	247	226	8.90	106	105	0.9	116	79.5	37.3	75 - 125	30	r
Nickel	BRL	21.1	18.6	12.6	99.4	97.4	2.0	94.1	90.5	3.9	75 - 125	30	
Potassium	BRL	2100	2090	0.50	105	100	4.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.4	NC	92.5	93.1	0.6	84.8	84.5	0.4	75 - 125	30	
Silver	BRL	0.37	0.40	NC	95.4	94.3	1.2	98.4	96.9	1.5	75 - 125	30	
Sodium	BRL	698	865	21.4	111	108	2.7	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<2.9	<3.2	NC	99.4	97.0	2.4	94.3	92.7	1.7	75 - 125	30	
Vanadium	BRL	20.2	20.0	1.00	108	106	1.9	99.1	99.3	0.2	75 - 125	30	
Zinc	BRL	298	355	17.5	106	103	2.9	>130	66.0	NC	75 - 125	30	m

QA/QC Batch 290767, QC Sample No: BH33598 (BH33873, BH33874)

ICP Metals - Aqueous

Aluminum	BRL	0.116	0.091	24.2	99.8	98.7	1.1	95.3	100	4.8	75 - 125	20	r
Antimony	BRL	<0.005	<0.005	NC	99.8	98.3	1.5	102	105	2.9	75 - 125	20	
Arsenic	BRL	<0.004	<0.004	NC	100	97.8	2.2	103	106	2.9	75 - 125	20	
Barium	BRL	0.014	0.014	0	106	104	1.9	104	107	2.8	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	101	98.4	2.6	101	104	2.9	75 - 125	20	
Cadmium	BRL	<0.001	<0.001	NC	100	96.1	4.0	95.7	99.1	3.5	75 - 125	20	
Calcium	BRL	34.7	35.3	1.70	105	97.8	7.1	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.001	<0.001	NC	99.4	96.7	2.8	97.7	101	3.3	75 - 125	20	
Cobalt	BRL	<0.002	<0.002	NC	99.6	95.6	4.1	95.8	99.3	3.6	75 - 125	20	
Copper	BRL	0.005	<0.005	NC	103	99.2	3.8	102	105	2.9	75 - 125	20	
Iron	BRL	0.144	0.147	2.10	102	98.5	3.5	97.8	102	4.2	75 - 125	20	
Lead	BRL	<0.002	<0.002	NC	100	97.6	2.4	97.4	100	2.6	75 - 125	20	
Magnesium	BRL	12.8	13.0	1.60	101	98.6	2.4	NC	NC	NC	75 - 125	20	
Manganese	BRL	0.048	0.049	2.10	102	98.3	3.7	97.7	102	4.3	75 - 125	20	
Nickel	BRL	0.004	0.003	NC	103	99.9	3.1	99.5	103	3.5	75 - 125	20	
Potassium	BRL	14.2	14.0	1.40	109	110	0.9	113	115	1.8	75 - 125	20	
Selenium	BRL	<0.010	<0.010	NC	99.0	96.8	2.2	98.8	101	2.2	75 - 125	20	
Silver	BRL	<0.001	<0.001	NC	96.8	93.8	3.1	96.6	98.8	2.3	75 - 125	20	
Sodium	BRL	149	147	1.40	100	96.8	3.3	NC	NC	NC	75 - 125	20	
Vanadium	BRL	<0.002	<0.002	NC	99.0	96.0	3.1	99.0	102	3.0	75 - 125	20	
Zinc	0.004	0.031	0.032	3.20	102	97.8	4.2	99.9	104	4.0	75 - 125	20	

QA/QC Batch 290804, QC Sample No: BH33599 (BH33873, BH33874)

Mercury - Water BRL <0.0002 <0.0002 NC 98.5 91.5 7.4 102 96.4 5.6 70 - 130 20

Comment:

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

QA/QC Batch 290801, QC Sample No: BH33776 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881, BH33882, BH33883, BH33884)

Mercury - Soil BRL <0.07 <0.08 NC 98.0 94.1 4.1 99.8 101 1.2 70 - 130 30

Comment:

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

QA/QC Batch 290753, QC Sample No: BH33829 (BH33884)

ICP Metals - Soil

Aluminum	BRL	11300	11200	0.90	91.9	90.5	1.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<2.0	<4.1	NC	81.0	85.8	5.8	80.3	80.1	0.2	75 - 125	30	
Arsenic	BRL	1.7	<0.81	NC	100	101	1.0	91.1	89.9	1.3	75 - 125	30	
Barium	BRL	83.7	83.0	0.80	107	108	0.9	108	98.1	9.6	75 - 125	30	
Beryllium	BRL	0.58	0.53	NC	97.8	100	2.2	95.3	94.0	1.4	75 - 125	30	
Cadmium	BRL	0.18	0.16	NC	111	111	0.0	91.9	91.3	0.7	75 - 125	30	
Calcium	BRL	4010	4300	7.00	100	100	0.0	NC	NC	NC	75 - 125	30	

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chromium	0.34	29.1	27.0	7.50	99.8	100	0.2	96.8	96.2	0.6	75 - 125	30
Cobalt	BRL	10.1	9.85	2.50	86.6	87.7	1.3	94.2	93.3	1.0	75 - 125	30
Copper	BRL	24.7	22.9	7.60	94.4	95.0	0.6	106	103	2.9	75 - 125	30
Iron	BRL	19500	18500	5.30	80.6	81.4	1.0	NC	NC	NC	75 - 125	30
Lead	BRL	30.0	26.6	12.0	99.1	99.2	0.1	94.1	91.8	2.5	75 - 125	30
Magnesium	BRL	4650	4860	4.40	97.7	98.6	0.9	NC	NC	NC	75 - 125	30
Manganese	BRL	247	261	5.50	106	112	5.5	109	103	5.7	75 - 125	30
Nickel	BRL	21.4	21.3	0.50	99.6	99.2	0.4	94.7	92.9	1.9	75 - 125	30
Potassium	BRL	2690	2680	0.40	94.7	95.4	0.7	>130	>130	NC	75 - 125	30
Selenium	BRL	<1.6	<1.6	NC	96.5	96.3	0.2	85.4	83.9	1.8	75 - 125	30
Silver	BRL	<0.39	<0.41	NC	99.4	99.3	0.1	97.6	96.5	1.1	75 - 125	30
Sodium	BRL	159	159	0	105	104	1.0	>130	>130	NC	75 - 125	30
Thallium	BRL	<1.6	<3.7	NC	99.2	101	1.8	92.6	92.0	0.7	75 - 125	30
Vanadium	BRL	36.5	33.5	8.60	106	107	0.9	96.9	96.0	0.9	75 - 125	30
Zinc	BRL	64.9	61.3	5.70	108	108	0.0	97.5	91.5	6.3	75 - 125	30

QA/QC Batch 290802, QC Sample No: BH33874 (BH33873, BH33874)

Mercury (Dissolved)	BRL	<0.0002	<0.0003	NC	95.3	97.0	1.8	99.2	92.0	7.5	70 - 130	20
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Comment:

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

QA/QC Batch 290840, QC Sample No: BH33879 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881, BH33882, BH33883, BH33884)

Hex Chromium - Solid

Hexavalent Cr	BRL	0.650	0.610	NC	99.2						70 - 130	30
Insoluble Cr					113			116			70 - 130	30
Soluble Cr					108			100			70 - 130	30

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

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

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



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QA/QC Report

November 06, 2014

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 290884, QC Sample No: BH33839 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881, BH33882, BH33883, BH33884)												
Total Cyanide	BRL	<0.49	<0.54	NC	96.4			92.5			85 - 115	30
QA/QC Batch 290821, QC Sample No: BH33868 (BH33875, BH33876, BH33877, BH33878, BH33879)												
pH - Soil		8.00	7.96	0.50	98.9						85 - 115	20
QA/QC Batch 290822, QC Sample No: BH33899 (BH33880, BH33881, BH33882, BH33883, BH33884)												
pH - Soil		6.63	6.10	8.30	98.9						85 - 115	20



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QA/QC Report

November 06, 2014

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 290597, QC Sample No: BH32808 (BH33875, BH33876, BH33877, BH33878)									
<u>Pesticides - Solid</u>									
4,4' -DDD	ND	86	88	2.3	84	77	8.7	40 - 140	30
4,4' -DDE	ND	83	86	3.6	83	76	8.8	40 - 140	30
4,4' -DDT	ND	77	80	3.8	78	71	9.4	40 - 140	30
a-BHC	ND	86	89	3.4	84	78	7.4	40 - 140	30
a-Chlordane	ND	80	82	2.5	78	72	8.0	40 - 140	30
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	85	88	3.5	84	78	7.4	40 - 140	30
b-BHC	ND	86	87	1.2	83	78	6.2	40 - 140	30
Chlordane	ND	85	87	2.3	83	77	7.5	40 - 140	30
d-BHC	ND	86	89	3.4	85	78	8.6	40 - 140	30
Dieldrin	ND	84	85	1.2	85	77	9.9	40 - 140	30
Endosulfan I	ND	86	87	1.2	83	76	8.8	40 - 140	30
Endosulfan II	ND	77	74	4.0	82	75	8.9	40 - 140	30
Endosulfan sulfate	ND	58	50	14.8	54	48	11.8	40 - 140	30
Endrin	ND	87	89	2.3	89	80	10.7	40 - 140	30
Endrin aldehyde	ND	62	53	15.7	62	53	15.7	40 - 140	30
Endrin ketone	ND	70	66	5.9	66	59	11.2	40 - 140	30
g-BHC	ND	91	94	3.2	91	84	8.0	40 - 140	30
g-Chlordane	ND	85	87	2.3	83	77	7.5	40 - 140	30
Heptachlor	ND	88	93	5.5	89	81	9.4	40 - 140	30
Heptachlor epoxide	ND	79	81	2.5	78	72	8.0	40 - 140	30
Methoxychlor	ND	85	85	0.0	82	76	7.6	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	88	84	85	1.2	80	72	10.5	30 - 150	30
% TCMX	87	83	83	0.0	81	74	9.0	30 - 150	30

Comment:

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

QA/QC Batch 290630, QC Sample No: BH32897 (BH33873, BH33874)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	90	97	7.5				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	102	107	4.8				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	96	95	100	5.1				30 - 150	20
% TCMX (Surrogate Rec)	78	72	81	11.8				30 - 150	20

QA/QC Data

SDG I.D.: GBH33873

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

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

QA/QC Batch 290685, QC Sample No: BH33177 (BH33873, BH33874)

Pesticides - Ground Water

4,4' -DDD	ND	87	77	12.2				40 - 140	20
4,4' -DDE	ND	85	72	16.6				40 - 140	20
4,4' -DDT	ND	84	74	12.7				40 - 140	20
a-BHC	ND	84	73	14.0				40 - 140	20
a-Chlordane	ND	84	73	14.0				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	81	68	17.4				40 - 140	20
b-BHC	ND	85	75	12.5				40 - 140	20
Chlordane	ND	84	73	14.0				40 - 140	20
d-BHC	ND	79	69	13.5				40 - 140	20
Dieldrin	ND	87	76	13.5				40 - 140	20
Endosulfan I	ND	86	75	13.7				40 - 140	20
Endosulfan II	ND	85	75	12.5				40 - 140	20
Endosulfan sulfate	ND	79	71	10.7				40 - 140	20
Endrin	ND	90	79	13.0				40 - 140	20
Endrin aldehyde	ND	87	80	8.4				40 - 140	20
Endrin ketone	ND	86	77	11.0				40 - 140	20
g-BHC	ND	89	77	14.5				40 - 140	20
g-Chlordane	ND	84	73	14.0				40 - 140	20
Heptachlor	ND	87	74	16.1				40 - 140	20
Heptachlor epoxide	ND	85	73	15.2				40 - 140	20
Methoxychlor	ND	84	76	10.0				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	88	93	85	9.0				40 - 150	20
% TCMX	92	96	79	19.4				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 290738, QC Sample No: BH33637 (BH33873, BH33874)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	57	57	0.0				30 - 130	20
1,2,4-Trichlorobenzene	ND	44	43	2.3				30 - 130	20
1,2-Dichlorobenzene	ND	28	28	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	75	76	1.3				30 - 130	20
1,3-Dichlorobenzene	ND	25	25	0.0				30 - 130	20
1,4-Dichlorobenzene	ND	26	26	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	77	77	0.0				30 - 130	20
2,4,6-Trichlorophenol	ND	72	73	1.4				30 - 130	20
2,4-Dichlorophenol	ND	53	52	1.9				30 - 130	20
2,4-Dimethylphenol	ND	53	52	1.9				30 - 130	20
2,4-Dinitrophenol	ND	100	103	3.0				30 - 130	20
2,4-Dinitrotoluene	ND	89	89	0.0				30 - 130	20
2,6-Dinitrotoluene	ND	83	84	1.2				30 - 130	20
2-Chloronaphthalene	ND	63	63	0.0				30 - 130	20
2-Chlorophenol	ND	32	32	0.0				30 - 130	20
2-Methylnaphthalene	0.05 B	56	56	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	43	43	0.0				30 - 130	20
2-Nitroaniline	ND	98	95	3.1				30 - 130	20

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Nitrophenol	ND	49	48	2.1				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	48	48	0.0				30 - 130	20
3,3'-Dichlorobenzidine	ND	44	44	0.0				30 - 130	20
3-Nitroaniline	ND	88	89	1.1				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	107	108	0.9				30 - 130	20
4-Bromophenyl phenyl ether	ND	79	79	0.0				30 - 130	20
4-Chloro-3-methylphenol	ND	74	74	0.0				30 - 130	20
4-Chloroaniline	ND	61	61	0.0				30 - 130	20
4-Chlorophenyl phenyl ether	ND	74	75	1.3				30 - 130	20
4-Nitroaniline	ND	80	79	1.3				30 - 130	20
4-Nitrophenol	ND	89	90	1.1				30 - 130	20
Acenaphthene	ND	70	70	0.0				30 - 130	20
Acenaphthylene	ND	65	65	0.0				30 - 130	20
Acetophenone	ND	46	46	0.0				30 - 130	20
Aniline	ND	38	38	0.0				30 - 130	20
Anthracene	ND	77	78	1.3				30 - 130	20
Benz(a)anthracene	ND	90	89	1.1				30 - 130	20
Benzidine	ND	<10	<10	NC				30 - 130	20
Benzo(a)pyrene	ND	78	78	0.0				30 - 130	20
Benzo(b)fluoranthene	ND	86	84	2.4				30 - 130	20
Benzo(ghi)perylene	ND	87	88	1.1				30 - 130	20
Benzo(k)fluoranthene	ND	78	79	1.3				30 - 130	20
Benzoic acid	ND	61	57	6.8				30 - 130	20
Benzyl butyl phthalate	ND	96	96	0.0				30 - 130	20
Bis(2-chloroethoxy)methane	ND	53	53	0.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	33	33	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	38	38	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	0.18 B	96	96	0.0				30 - 130	20
Carbazole	ND	88	89	1.1				30 - 130	20
Chrysene	ND	89	88	1.1				30 - 130	20
Dibenz(a,h)anthracene	ND	85	85	0.0				30 - 130	20
Dibenzofuran	ND	74	73	1.4				30 - 130	20
Diethyl phthalate	ND	83	84	1.2				30 - 130	20
Dimethylphthalate	ND	79	81	2.5				30 - 130	20
Di-n-butylphthalate	ND	86	88	2.3				30 - 130	20
Di-n-octylphthalate	ND	94	93	1.1				30 - 130	20
Fluoranthene	ND	83	86	3.6				30 - 130	20
Fluorene	ND	76	77	1.3				30 - 130	20
Hexachlorobenzene	ND	78	80	2.5				30 - 130	20
Hexachlorobutadiene	ND	38	38	0.0				30 - 130	20
Hexachlorocyclopentadiene	ND	29	29	0.0				30 - 130	20
Hexachloroethane	ND	26	26	0.0				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	87	87	0.0				30 - 130	20
Isophorone	ND	57	58	1.7				30 - 130	20
Naphthalene	ND	45	45	0.0				30 - 130	20
Nitrobenzene	ND	46	45	2.2				30 - 130	20
N-Nitrosodimethylamine	ND	26	25	3.9				30 - 130	20
N-Nitrosodi-n-propylamine	ND	54	54	0.0				30 - 130	20
N-Nitrosodiphenylamine	ND	80	80	0.0				30 - 130	20
Pentachloronitrobenzene	ND	78	80	2.5				30 - 130	20
Pentachlorophenol	ND	96	98	2.1				30 - 130	20
Phenanthrene	ND	80	80	0.0				30 - 130	20
Phenol	ND	33	33	0.0				30 - 130	20

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyrene	ND	84	87	3.5				30 - 130	20
Pyridine	ND	22	23	4.4				30 - 130	20
% 2,4,6-Tribromophenol	93	73	74	1.4				15 - 110	20
% 2-Fluorobiphenyl	59	54	55	1.8				30 - 130	20
% 2-Fluorophenol	42	19	19	0.0				15 - 110	20
% Nitrobenzene-d5	54	41	41	0.0				30 - 130	20
% Phenol-d5	56	29	29	0.0				15 - 110	20
% Terphenyl-d14	85	83	87	4.7				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 290746, QC Sample No: BH33829 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881)

Semivolatiles - Solid

1,2,4,5-Tetrachlorobenzene	ND	85	82	3.6	83	81	2.4	30 - 130	30	
1,2,4-Trichlorobenzene	ND	87	83	4.7	88	87	1.1	30 - 130	30	
1,2-Dichlorobenzene	ND	74	72	2.7	78	77	1.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	88	85	3.5	79	78	1.3	30 - 130	30	
1,3-Dichlorobenzene	ND	73	71	2.8	75	75	0.0	30 - 130	30	
1,4-Dichlorobenzene	ND	74	71	4.1	76	75	1.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	99	97	2.0	106	103	2.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	97	94	3.1	105	103	1.9	30 - 130	30	
2,4-Dichlorophenol	ND	92	90	2.2	97	96	1.0	30 - 130	30	
2,4-Dimethylphenol	ND	81	78	3.8	91	89	2.2	30 - 130	30	
2,4-Dinitrophenol	ND	39	32	19.7	15	26	53.7	30 - 130	30	m,r
2,4-Dinitrotoluene	ND	90	89	1.1	93	90	3.3	30 - 130	30	
2,6-Dinitrotoluene	ND	94	92	2.2	97	93	4.2	30 - 130	30	
2-Chloronaphthalene	ND	87	83	4.7	87	85	2.3	30 - 130	30	
2-Chlorophenol	ND	80	79	1.3	87	87	0.0	30 - 130	30	
2-Methylnaphthalene	ND	85	80	6.1	83	82	1.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	83	81	2.4	89	90	1.1	30 - 130	30	
2-Nitroaniline	ND	83	80	3.7	91	85	6.8	30 - 130	30	
2-Nitrophenol	ND	83	81	2.4	95	91	4.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	82	81	1.2	87	88	1.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	90	90	0.0	89	88	1.1	30 - 130	30	
3-Nitroaniline	ND	86	84	2.4	94	86	8.9	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	76	69	9.7	109	98	10.6	30 - 130	30	
4-Bromophenyl phenyl ether	ND	94	92	2.2	86	90	4.5	30 - 130	30	
4-Chloro-3-methylphenol	ND	93	91	2.2	96	96	0.0	30 - 130	30	
4-Chloroaniline	ND	72	71	1.4	78	66	16.7	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	87	85	2.3	84	84	0.0	30 - 130	30	
4-Nitroaniline	ND	86	86	0.0	93	90	3.3	30 - 130	30	
4-Nitrophenol	ND	109	111	1.8	134	133	0.7	30 - 130	30	m
Acenaphthene	ND	89	85	4.6	88	87	1.1	30 - 130	30	
Acenaphthylene	ND	84	81	3.6	84	82	2.4	30 - 130	30	
Acetophenone	ND	77	75	2.6	80	80	0.0	30 - 130	30	
Aniline	ND	66	66	0.0	72	57	23.3	30 - 130	30	
Anthracene	ND	87	85	2.3	88	87	1.1	30 - 130	30	
Benz(a)anthracene	ND	90	86	4.5	89	87	2.3	30 - 130	30	
Benzidine	ND	43	41	4.8	35	39	10.8	30 - 130	30	
Benzo(a)pyrene	ND	88	87	1.1	86	86	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	88	87	1.1	88	87	1.1	30 - 130	30	
Benzo(ghi)perylene	ND	92	94	2.2	94	100	6.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzo(k)fluoranthene	ND	88	88	0.0	85	85	0.0	30 - 130	30
Benzoic Acid	ND	12	<10	NC	<10	<10	NC	30 - 130	30
Benzyl Alcohol	ND	81	79	2.5	80	83	3.7	30 - 130	30
Benzyl butyl phthalate	ND	97	92	5.3	105	104	1.0	30 - 130	30
Bis(2-chloroethoxy)methane	ND	84	81	3.6	87	86	1.2	30 - 130	30
Bis(2-chloroethyl)ether	ND	68	65	4.5	71	72	1.4	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	72	70	2.8	73	73	0.0	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	100	97	3.0	104	105	1.0	30 - 130	30
Carbazole	ND	85	82	3.6	105	95	10.0	30 - 130	30
Chrysene	ND	95	92	3.2	94	93	1.1	30 - 130	30
Dibenz(a,h)anthracene	ND	90	91	1.1	91	97	6.4	30 - 130	30
Dibenzofuran	ND	87	85	2.3	87	84	3.5	30 - 130	30
Diethyl phthalate	ND	88	86	2.3	88	86	2.3	30 - 130	30
Dimethylphthalate	ND	90	87	3.4	92	90	2.2	30 - 130	30
Di-n-butylphthalate	ND	89	85	4.6	102	90	12.5	30 - 130	30
Di-n-octylphthalate	ND	101	100	1.0	89	93	4.4	30 - 130	30
Fluoranthene	ND	93	85	9.0	119	99	18.3	30 - 130	30
Fluorene	ND	88	85	3.5	86	85	1.2	30 - 130	30
Hexachlorobenzene	ND	88	87	1.1	83	84	1.2	30 - 130	30
Hexachlorobutadiene	ND	81	78	3.8	81	82	1.2	30 - 130	30
Hexachlorocyclopentadiene	ND	90	89	1.1	62	62	0.0	30 - 130	30
Hexachloroethane	ND	72	70	2.8	73	74	1.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	90	93	3.3	94	97	3.1	30 - 130	30
Isophorone	ND	79	76	3.9	83	81	2.4	30 - 130	30
Naphthalene	ND	81	78	3.8	84	83	1.2	30 - 130	30
Nitrobenzene	ND	77	75	2.6	81	81	0.0	30 - 130	30
N-Nitrosodimethylamine	ND	63	65	3.1	68	71	4.3	30 - 130	30
N-Nitrosodi-n-propylamine	ND	80	78	2.5	82	82	0.0	30 - 130	30
N-Nitrosodiphenylamine	ND	95	93	2.1	95	93	2.1	30 - 130	30
Pentachloronitrobenzene	ND	85	82	3.6	87	85	2.3	30 - 130	30
Pentachlorophenol	ND	93	91	2.2	126	125	0.8	30 - 130	30
Phenanthrene	ND	87	85	2.3	93	86	7.8	30 - 130	30
Phenol	ND	79	78	1.3	85	85	0.0	30 - 130	30
Pyrene	ND	94	88	6.6	120	101	17.2	30 - 130	30
Pyridine	ND	54	50	7.7	58	59	1.7	30 - 130	30
% 2,4,6-Tribromophenol	84	80	79	1.3	86	86	0.0	30 - 130	30
% 2-Fluorobiphenyl	70	83	78	6.2	81	80	1.2	30 - 130	30
% 2-Fluorophenol	55	70	69	1.4	76	78	2.6	30 - 130	30
% Nitrobenzene-d5	60	75	72	4.1	77	79	2.6	30 - 130	30
% Phenol-d5	61	76	75	1.3	82	83	1.2	30 - 130	30
% Terphenyl-d14	82	100	90	10.5	117	101	14.7	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 290836, QC Sample No: BH33873 (BH33873, BH33874)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	91	108	17.1	102	105	2.9	70 - 130	30
1,1,1-Trichloroethane	ND	97	105	7.9	105	106	0.9	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	80	100	22.2	96	100	4.1	70 - 130	30
1,1,2-Trichloroethane	ND	79	102	25.4	113	111	1.8	70 - 130	30
1,1-Dichloroethane	ND	97	106	8.9	109	110	0.9	70 - 130	30
1,1-Dichloroethene	ND	104	108	3.8	104	113	8.3	70 - 130	30

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloropropene	ND	101	107	5.8	104	106	1.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	77	93	18.8	95	98	3.1	70 - 130	30
1,2,3-Trichloropropane	ND	79	95	18.4	92	98	6.3	70 - 130	30
1,2,4-Trichlorobenzene	ND	84	98	15.4	95	100	5.1	70 - 130	30
1,2,4-Trimethylbenzene	ND	94	96	2.1	88	97	9.7	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	70	87	21.7	92	95	3.2	70 - 130	30
1,2-Dibromoethane	ND	82	104	23.7	114	115	0.9	70 - 130	30
1,2-Dichlorobenzene	ND	86	97	12.0	95	100	5.1	70 - 130	30
1,2-Dichloroethane	ND	88	108	20.4	111	110	0.9	70 - 130	30
1,2-Dichloropropane	ND	95	108	12.8	113	111	1.8	70 - 130	30
1,3,5-Trimethylbenzene	ND	99	99	0.0	87	95	8.8	70 - 130	30
1,3-Dichlorobenzene	ND	87	99	12.9	91	98	7.4	70 - 130	30
1,3-Dichloropropane	ND	85	103	19.1	105	108	2.8	70 - 130	30
1,4-Dichlorobenzene	ND	86	96	11.0	92	97	5.3	70 - 130	30
2,2-Dichloropropane	ND	99	107	7.8	96	99	3.1	70 - 130	30
2-Chlorotoluene	ND	94	95	1.1	86	93	7.8	70 - 130	30
2-Hexanone	ND	68	94	32.1	108	111	2.7	70 - 130	30
2-Isopropyltoluene	ND	100	101	1.0	92	97	5.3	70 - 130	30
4-Chlorotoluene	ND	90	95	5.4	87	95	8.8	70 - 130	30
4-Methyl-2-pentanone	ND	71	102	35.8	118	117	0.9	70 - 130	30
Acetone	ND	79	109	31.9	121	120	0.8	70 - 130	30
Acrylonitrile	ND	82	111	30.1	126	123	2.4	70 - 130	30
Benzene	ND	102	109	6.6	109	110	0.9	70 - 130	30
Bromobenzene	ND	86	96	11.0	89	95	6.5	70 - 130	30
Bromochloromethane	ND	88	110	22.2	112	115	2.6	70 - 130	30
Bromodichloromethane	ND	91	108	17.1	111	115	3.5	70 - 130	30
Bromoform	ND	82	103	22.7	104	105	1.0	70 - 130	30
Bromomethane	ND	101	108	6.7	100	114	13.1	70 - 130	30
Carbon Disulfide	ND	111	112	0.9	108	114	5.4	70 - 130	30
Carbon tetrachloride	ND	98	105	6.9	101	105	3.9	70 - 130	30
Chlorobenzene	ND	94	100	6.2	97	100	3.0	70 - 130	30
Chloroethane	ND	107	112	4.6	111	117	5.3	70 - 130	30
Chloroform	ND	96	110	13.6	111	112	0.9	70 - 130	30
Chloromethane	ND	95	102	7.1	106	108	1.9	70 - 130	30
cis-1,2-Dichloroethene	ND	90	102	12.5	108	110	1.8	70 - 130	30
cis-1,3-Dichloropropene	ND	92	109	16.9	110	109	0.9	70 - 130	30
Dibromochloromethane	ND	84	103	20.3	101	106	4.8	70 - 130	30
Dibromomethane	ND	85	107	22.9	113	116	2.6	70 - 130	30
Dichlorodifluoromethane	ND	87	91	4.5	104	109	4.7	70 - 130	30
Ethylbenzene	ND	103	107	3.8	98	101	3.0	70 - 130	30
Hexachlorobutadiene	ND	95	95	0.0	90	93	3.3	70 - 130	30
Isopropylbenzene	ND	97	94	3.1	85	93	9.0	70 - 130	30
m&p-Xylene	ND	102	106	3.8	99	101	2.0	70 - 130	30
Methyl ethyl ketone	ND	77	102	27.9	117	123	5.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	85	117	31.7	118	117	0.9	70 - 130	30
Methylene chloride	ND	86	101	16.0	102	105	2.9	70 - 130	30
Naphthalene	ND	77	95	20.9	98	100	2.0	70 - 130	30
n-Butylbenzene	ND	97	98	1.0	93	96	3.2	70 - 130	30
n-Propylbenzene	ND	92	90	2.2	87	96	9.8	70 - 130	30
o-Xylene	ND	97	105	7.9	98	102	4.0	70 - 130	30
p-Isopropyltoluene	ND	97	99	2.0	89	97	8.6	70 - 130	30
sec-Butylbenzene	ND	102	98	4.0	91	96	5.3	70 - 130	30
Styrene	ND	95	107	11.9	103	106	2.9	70 - 130	30

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
tert-Butylbenzene	ND	98	94	4.2	85	95	11.1	70 - 130	30
Tetrachloroethene	ND	100	101	1.0	89	99	10.6	70 - 130	30
Tetrahydrofuran (THF)	ND	71	101	34.9	120	110	8.7	70 - 130	30
Toluene	ND	99	107	7.8	105	107	1.9	70 - 130	30
trans-1,2-Dichloroethene	ND	102	110	7.5	105	108	2.8	70 - 130	30
trans-1,3-Dichloropropene	ND	87	111	24.2	108	110	1.8	70 - 130	30
trans-1,4-dichloro-2-butene	ND	70	89	23.9	84	89	5.8	70 - 130	30
Trichloroethene	ND	102	107	4.8	102	104	1.9	70 - 130	30
Trichlorofluoromethane	ND	98	104	5.9	106	114	7.3	70 - 130	30
Trichlorotrifluoroethane	ND	101	103	2.0	104	115	10.0	70 - 130	30
Vinyl chloride	ND	97	103	6.0	106	108	1.9	70 - 130	30
% 1,2-dichlorobenzene-d4	102	99	100	1.0	103	103	0.0	70 - 130	30
% Bromofluorobenzene	94	100	103	3.0	106	102	3.8	70 - 130	30
% Dibromofluoromethane	104	89	97	8.6	105	97	7.9	70 - 130	30
% Toluene-d8	101	99	100	1.0	105	102	2.9	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%.

QA/QC Batch 290750, QC Sample No: BH33881 (BH33879, BH33880, BH33881, BH33882, BH33883, BH33884)

Pesticides

4,4' -DDD	ND	114	125	9.2	122	105	15.0	40 - 140	30
4,4' -DDE	ND	87	92	5.6	90	79	13.0	40 - 140	30
4,4' -DDT	ND	100	110	9.5	102	89	13.6	40 - 140	30
a-BHC	ND	85	90	5.7	90	77	15.6	40 - 140	30
a-Chlordane	ND	88	94	6.6	93	80	15.0	40 - 140	30
Alachlor	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	82	87	5.9	85	74	13.8	40 - 140	30
b-BHC	ND	89	99	10.6	95	83	13.5	40 - 140	30
Chlordane	ND	87	94	7.7	92	80	14.0	40 - 140	30
d-BHC	ND	90	97	7.5	97	84	14.4	40 - 140	30
Dieldrin	ND	85	89	4.6	89	77	14.5	40 - 140	30
Endosulfan I	ND	86	90	4.5	92	80	14.0	40 - 140	30
Endosulfan II	ND	75	74	1.3	86	75	13.7	40 - 140	30
Endosulfan sulfate	ND	55	72	26.8	65	61	6.3	40 - 140	30
Endrin	ND	86	93	7.8	91	80	12.9	40 - 140	30
Endrin aldehyde	ND	51	67	27.1	63	59	6.6	40 - 140	30
Endrin ketone	ND	69	83	18.4	76	70	8.2	40 - 140	30
g-BHC	ND	87	93	6.7	93	79	16.3	40 - 140	30
g-Chlordane	ND	87	94	7.7	92	80	14.0	40 - 140	30
Heptachlor	ND	84	89	5.8	88	76	14.6	40 - 140	30
Heptachlor epoxide	ND	85	90	5.7	90	77	15.6	40 - 140	30
Methoxychlor	ND	90	106	16.3	102	98	4.0	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	110	97	104	7.0	100	89	11.6	30 - 150	30
% TCMX	100	90	96	6.5	92	81	12.7	30 - 150	30

Comment:

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

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 290748, QC Sample No: BH33881 (BH33875, BH33876, BH33877, BH33878, BH33879, BH33880, BH33881, BH33882, BH33883, BH33884)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	102	102	0.0	98	100	2.0	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	103	100	3.0	96	101	5.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	104	104	103	1.0	96	104	8.0	30 - 150	30
% TCMX (Surrogate Rec)	104	105	104	1.0	102	104	1.9	30 - 150	30
QA/QC Batch 290747, QC Sample No: BH33883 (BH33882, BH33883, BH33884)									
Semivolatiles									
1,2-Dichlorobenzene	ND	83	82	1.2	78	80	2.5	30 - 130	30
1,2-Diphenylhydrazine	ND	96	104	8.0	98	92	6.3	30 - 130	30
1,3-Dichlorobenzene	ND	81	80	1.2	77	79	2.6	30 - 130	30
1,4-Dichlorobenzene	ND	82	81	1.2	78	79	1.3	30 - 130	30
2,4-Dinitrotoluene	ND	96	95	1.0	97	98	1.0	30 - 130	30
2,6-Dinitrotoluene	ND	99	98	1.0	98	98	0.0	30 - 130	30
2-Chloronaphthalene	ND	95	97	2.1	96	97	1.0	30 - 130	30
2-Methylnaphthalene	ND	90	89	1.1	88	90	2.2	30 - 130	30
2-Nitroaniline	ND	143	161	11.8	151	143	5.4	30 - 130	30 l,m
3,3'-Dichlorobenzidine	ND	158	171	7.9	165	165	0.0	30 - 130	30 l,m
3-Nitroaniline	ND	>200	>200	NC	>200	>200	NC	30 - 130	30 l,m
4-Bromophenyl phenyl ether	ND	101	98	3.0	99	99	0.0	30 - 130	30
4-Chloroaniline	ND	139	161	14.7	160	149	7.1	30 - 130	30 l,m
4-Chlorophenyl phenyl ether	ND	92	89	3.3	89	93	4.4	30 - 130	30
4-Nitroaniline	ND	95	105	10.0	106	101	4.8	30 - 130	30
Acenaphthene	ND	95	96	1.0	96	97	1.0	30 - 130	30
Acenaphthylene	ND	92	93	1.1	92	92	0.0	30 - 130	30
Anthracene	ND	98	99	1.0	99	99	0.0	30 - 130	30
Benz(a)anthracene	ND	98	99	1.0	99	98	1.0	30 - 130	30
Benzidine	ND	>200	>200	NC	71	58	20.2	30 - 130	30 l
Benzo(a)pyrene	ND	96	98	2.1	98	101	3.0	30 - 130	30
Benzo(b)fluoranthene	ND	87	93	6.7	91	96	5.3	30 - 130	30
Benzo(ghi)perylene	ND	100	100	0.0	98	99	1.0	30 - 130	30
Benzo(k)fluoranthene	ND	105	102	2.9	107	107	0.0	30 - 130	30
Benzoic Acid	ND	11	<10	NC	10	10	0.0	30 - 130	30 l,m
Benzyl Alcohol	ND	85	88	3.5	66	62	6.3	30 - 130	30
Benzyl butyl phthalate	ND	98	100	2.0	97	94	3.1	30 - 130	30
Bis(2-chloroethoxy)methane	ND	93	97	4.2	95	92	3.2	30 - 130	30
Bis(2-chloroethyl)ether	ND	75	78	3.9	76	73	4.0	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	87	94	7.7	91	85	6.8	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	99	102	3.0	102	96	6.1	30 - 130	30
Chrysene	ND	100	103	3.0	101	102	1.0	30 - 130	30
Dibenz(a,h)anthracene	ND	100	102	2.0	99	100	1.0	30 - 130	30
Dibenzofuran	ND	92	92	0.0	93	94	1.1	30 - 130	30
Diethyl phthalate	ND	99	98	1.0	100	98	2.0	30 - 130	30
Dimethylphthalate	ND	98	99	1.0	99	100	1.0	30 - 130	30

QA/QC Data

SDG I.D.: GBH33873

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Di-n-butylphthalate	ND	104	107	2.8	106	101	4.8	30 - 130	30
Di-n-octylphthalate	ND	101	110	8.5	110	104	5.6	30 - 130	30
Fluoranthene	ND	101	100	1.0	101	101	0.0	30 - 130	30
Fluorene	ND	93	91	2.2	92	95	3.2	30 - 130	30
Hexachlorobenzene	ND	101	106	4.8	106	102	3.8	30 - 130	30
Hexachlorobutadiene	ND	88	86	2.3	85	86	1.2	30 - 130	30
Hexachlorocyclopentadiene	ND	71	64	10.4	58	64	9.8	30 - 130	30
Hexachloroethane	ND	79	81	2.5	78	77	1.3	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	100	102	2.0	100	100	0.0	30 - 130	30
Isophorone	ND	88	92	4.4	92	88	4.4	30 - 130	30
Naphthalene	ND	88	89	1.1	88	88	0.0	30 - 130	30
Nitrobenzene	ND	87	91	4.5	88	86	2.3	30 - 130	30
N-Nitrosodimethylamine	ND	69	77	11.0	70	74	5.6	30 - 130	30
N-Nitrosodi-n-propylamine	ND	88	87	1.1	82	83	1.2	30 - 130	30
N-Nitrosodiphenylamine	ND	117	113	3.5	114	117	2.6	30 - 130	30
Phenanthrene	ND	98	99	1.0	99	99	0.0	30 - 130	30
Pyrene	ND	104	104	0.0	104	104	0.0	30 - 130	30
% 2-Fluorobiphenyl	86	90	91	1.1	91	90	1.1	30 - 130	30
% Nitrobenzene-d5	81	84	87	3.5	85	83	2.4	30 - 130	30
% Terphenyl-d14	107	102	102	0.0	100	100	0.0	30 - 130	30

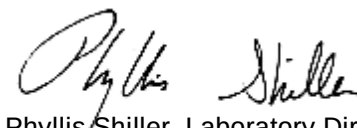
Comment:

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%)

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 06, 2014

Sample Criteria Exceedences Report

GBH33873 - GC-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH33873	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH33873	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH33873	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH33873	\$BNWM-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Benzo(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
BH33873	\$BNWM-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH33873	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH33873	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	246	1.0	0.1	0.1	mg/L
BH33873	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	4.20	0.002	1	1	mg/L
BH33873	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.007	0.001	0.003	0.003	mg/L
BH33873	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.600	0.001	0.05	0.05	mg/L
BH33873	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	1.13	0.005	0.2	0.2	mg/L
BH33873	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.17	0.01	0.1	0.1	mg/L
BH33873	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	44.8	0.01	35	35	mg/L
BH33873	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.721	0.001	0.3	0.3	mg/L
BH33873	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	96.6	1.1	20	20	mg/L
BH33873	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH33873	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BH33873	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	462	1.0	0.3	0.3	mg/L
BH33873	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	413	1.0	35	35	mg/L
BH33873	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	13.7	0.10	0.3	0.3	mg/L
BH33873	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	117	10	20	20	mg/L
BH33873	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.627	0.001	0.1	0.1	mg/L
BH33873	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH33873	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BH33874	\$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH33874	\$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BH33874	\$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BH33874	\$8270-SIMFSR	Benidine	NY / TOGS - Water Quality / GA Criteria	ND	50	5	5	ug/L
BH33874	\$8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBH33873 - GC-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH33874	\$8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.02	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.02	0.02	0.002	0.002	ug/L
BH33874	\$8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BH33874	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BH33874	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	109	0.10	0.1	0.1	mg/L
BH33874	BA-WM	Barium	NY / TOGS - Water Quality / GA Criteria	2.05	0.002	1	1	mg/L
BH33874	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.006	0.001	0.003	0.003	mg/L
BH33874	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.259	0.001	0.05	0.05	mg/L
BH33874	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.532	0.005	0.2	0.2	mg/L
BH33874	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.35	0.01	0.1	0.1	mg/L
BH33874	D-FE	Iron (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.398	0.011	0.3	0.3	mg/L
BH33874	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	62.5	0.11	20	20	mg/L
BH33874	D-SB	Antimony (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH33874	D-TL	Thallium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BH33874	FE-WM	Iron	NY / TOGS - Water Quality / GA Criteria	188	0.10	0.3	0.3	mg/L
BH33874	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	186	0.10	35	35	mg/L
BH33874	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	6.97	0.010	0.3	0.3	mg/L
BH33874	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	64.6	1.0	20	20	mg/L
BH33874	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.250	0.001	0.1	0.1	mg/L
BH33874	SB-WM	Antimony	NY / TOGS - Water Quality / GA Criteria	BRL	0.005	0.003	0.003	mg/L
BH33874	TL-WM	Thallium	NY / TOGS - Water Quality / GA Criteria	BRL	0.002	0.0005	0.0005	mg/L
BH33875	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.46	0.31	0.16	0.05	mg/Kg
BH33875	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	32.3	0.38	10	0.1	mg/Kg
BH33875	CU-SM	Copper	NY / TAGM - Heavy Metals / Soil Standards	27.5	0.38	25	0.25	mg/kg
BH33875	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	24200	57	2000	1	mg/Kg
BH33875	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	483	3.8		0.15	mg/Kg
BH33875	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	20.8	0.38	13	0.4	mg/Kg
BH33875	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	8.45	0.38		0.03	mg/Kg
BH33875	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	45.4	0.38	20	0.2	mg/Kg
BH33876	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	BRL	0.28	0.16	0.05	mg/Kg
BH33876	CA-SM	Calcium	NY / TAGM - Heavy Metals / Soil Standards	71000	52		50	mg/Kg
BH33876	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	8240	5.2	2000	1	mg/Kg
BH33876	MG-SM	Magnesium	NY / TAGM - Heavy Metals / Soil Standards	22100	52		50	mg/Kg
BH33876	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	174	3.5		0.15	mg/Kg
BH33876	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	31.7	0.35		0.03	mg/Kg
BH33876	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	101	0.35	20	0.2	mg/Kg

Sample Criteria Exceedences Report

Criteria: NY: GW, TAGS

GBH33873 - GC-ENV

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH33877	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.57	0.34	0.16	0.05	mg/Kg
BH33877	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	24.7	0.43	10	0.1	mg/Kg
BH33877	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	23800	64	2000	1	mg/Kg
BH33877	HG-SM	Mercury	NY / TAGM - Heavy Metals / Soil Standards	0.34	0.08	0.1	0.002	mg/Kg
BH33877	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	515	4.3		0.15	mg/Kg
BH33877	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	14.1	0.43	13	0.4	mg/Kg
BH33877	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	18.9	0.43		0.03	mg/Kg
BH33877	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	43.8	0.43	20	0.2	mg/Kg
BH33878	\$8270-SMR	Aniline	NY / TAGM - Semi-Volatiles / Soil Standards	ND	960	100	330	ug/Kg
BH33878	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.33	0.26	0.16	0.05	mg/Kg
BH33878	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	20.5	0.32	10	0.1	mg/Kg
BH33878	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	14000	49	2000	1	mg/Kg
BH33878	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	284	3.2		0.15	mg/Kg
BH33878	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	14.6	0.32	13	0.4	mg/Kg
BH33878	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	12.3	0.32		0.03	mg/Kg
BH33878	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	43.4	0.32	20	0.2	mg/Kg
BH33879	\$8270-SMR	Aniline	NY / TAGM - Semi-Volatiles / Soil Standards	ND	970	100	330	ug/Kg
BH33879	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.33	0.24	0.16	0.05	mg/Kg
BH33879	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	26.8	0.30	10	0.1	mg/Kg
BH33879	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	18200	46	2000	1	mg/Kg
BH33879	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	389	3.0		0.15	mg/Kg
BH33879	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	20.5	0.30	13	0.4	mg/Kg
BH33879	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	5.28	0.30		0.03	mg/Kg
BH33879	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	45.8	0.30	20	0.2	mg/Kg
BH33880	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.53	0.32	0.16	0.05	mg/Kg
BH33880	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	29.9	0.40	10	0.1	mg/Kg
BH33880	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	22400	60	2000	1	mg/Kg
BH33880	MG-SM	Magnesium	NY / TAGM - Heavy Metals / Soil Standards	7270	60		50	mg/Kg
BH33880	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	435	4.0		0.15	mg/Kg
BH33880	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	23.9	0.40	13	0.4	mg/Kg
BH33880	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	5.19	0.40		0.03	mg/Kg
BH33880	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	55.6	0.40	20	0.2	mg/Kg
BH33881	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.51	0.26	0.16	0.05	mg/Kg
BH33881	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	37.9	0.32	10	0.1	mg/Kg
BH33881	CU-SM	Copper	NY / TAGM - Heavy Metals / Soil Standards	37.0	0.32	25	0.25	mg/kg
BH33881	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	25800	49	2000	1	mg/Kg
BH33881	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	539	3.2		0.15	mg/Kg
BH33881	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	24.1	0.32	13	0.4	mg/Kg
BH33881	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	4.73	0.32		0.03	mg/Kg

Sample Criteria Exceedences Report**GBH33873 - GC-ENV**

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH33881	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	73.8	0.32	20	0.2	mg/Kg
BH33882	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.72	0.31	0.16	0.05	mg/Kg
BH33882	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	30.9	0.39	10	0.1	mg/Kg
BH33882	CU-SM	Copper	NY / TAGM - Heavy Metals / Soil Standards	29.1	0.39	25	0.25	mg/kg
BH33882	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	26200	59	2000	1	mg/Kg
BH33882	MG-SM	Magnesium	NY / TAGM - Heavy Metals / Soil Standards	8350	59		50	mg/Kg
BH33882	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	582	3.9		0.15	mg/Kg
BH33882	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	25.1	0.39	13	0.4	mg/Kg
BH33882	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	6.04	0.39		0.03	mg/Kg
BH33882	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	63.2	0.39	20	0.2	mg/Kg
BH33883	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.49	0.29	0.16	0.05	mg/Kg
BH33883	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	43.3	0.36	10	0.1	mg/Kg
BH33883	CU-SM	Copper	NY / TAGM - Heavy Metals / Soil Standards	30.7	0.36	25	0.25	mg/kg
BH33883	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	25600	54	2000	1	mg/Kg
BH33883	K-SM	Potassium	NY / TAGM - Heavy Metals / Soil Standards	4270	54		50	mg/Kg
BH33883	MG-SM	Magnesium	NY / TAGM - Heavy Metals / Soil Standards	8200	54		50	mg/Kg
BH33883	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	467	3.6		0.15	mg/Kg
BH33883	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	21.4	0.36	13	0.4	mg/Kg
BH33883	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	3.72	0.36		0.03	mg/Kg
BH33883	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	60.6	0.36	20	0.2	mg/Kg
BH33884	BE-SM	Beryllium	NY / TAGM - Heavy Metals / Soil Standards	0.53	0.34	0.16	0.05	mg/Kg
BH33884	CR-SM	Chromium	NY / TAGM - Heavy Metals / Soil Standards	38.8	0.42	10	0.1	mg/Kg
BH33884	CU-SM	Copper	NY / TAGM - Heavy Metals / Soil Standards	34.2	0.42	25	0.25	mg/kg
BH33884	FE-SM	Iron	NY / TAGM - Heavy Metals / Soil Standards	26300	63	2000	1	mg/Kg
BH33884	K-SM	Potassium	NY / TAGM - Heavy Metals / Soil Standards	4260	63		50	mg/Kg
BH33884	MG-SM	Magnesium	NY / TAGM - Heavy Metals / Soil Standards	8770	63		50	mg/Kg
BH33884	MN-SM	Manganese	NY / TAGM - Heavy Metals / Soil Standards	494	4.2		0.15	mg/Kg
BH33884	NI-SM	Nickel	NY / TAGM - Heavy Metals / Soil Standards	25.7	0.42	13	0.4	mg/Kg
BH33884	PB-SM	Lead	NY / TAGM - Heavy Metals / Soil Standards	5.07	0.42		0.03	mg/Kg
BH33884	ZN-SM	Zinc	NY / TAGM - Heavy Metals / Soil Standards	67.2	0.42	20	0.2	mg/Kg

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



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



NY Temperature Narration

November 06, 2014

SDG I.D.: GBH33873

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



Tuesday, November 11, 2014

Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Project ID: 14-076-00
Sample ID#s: BH35510 - BH35520

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

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: GW DISCHARGE
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
11/03/14 0:00
11/03/14 16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35510

Project ID: 14-076-00
Client ID: GW 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Cadmium	< 0.001	0.001		mg/L	11/04/14	LK	E200.7
Copper	0.493	0.005		mg/L	11/04/14	LK	E200.7
Mercury	< 0.0002	0.0002		mg/L	11/04/14	RS	245.1
Nickel	0.202	0.001		mg/L	11/04/14	LK	E200.7
Lead	0.043	0.002		mg/L	11/04/14	LK	E200.7
Zinc	0.354	0.002		mg/L	11/04/14	LK	E200.7 B
Carbonaceous BOD	< 4.0	4.0		mg/L	11/03/14 18:29	CB/RM	SM5210B
Chloride	260	6.0		mg/L	11/03/14	GD	SM4500-CL-E
Flash Point	>200	200		degree F	11/04/14	Y	SW1010
Chromium, Hexavalent	< 0.01	0.01		mg/L	11/03/14 17:20	O	S3500CRD
Ignitability	Passed	140		degree F	11/04/14	Y	SW1030 10
Nitrite-N	< 0.01	0.01		mg/L	11/03/14 21:23	GD	E353.2
Nitrate-N	6.95	0.05		mg/L	11/03/14 21:27	GD	E353.2
pH	7.81	0.10		pH Units	11/04/14 03:53	RWR/KDB	4500-H B 1
Nitrogen Tot Kjeldahl	0.39	0.10		mg/L	11/05/14	WHM	E351.1
Total Nitrogen	7.34	0.10		mg/L	11/05/14	WHM	S4500NH3/300.0 1
O&G, Non-polar Material	< 1.4	1.4		mg/L	11/06/14	MSF	E1664A 1
Total Suspended Solids	7400	50		mg/L	11/04/14	KH	SM2540D
Total Solids	9400	100		mg/L	11/04/14	KH	SM2540B
Mercury Digestion	Completed				11/04/14	I/I	245.1
PCB Extraction (2 Liter)	Completed				11/03/14	L/T	E608
Semi-Volatile Extraction	Completed				11/03/14	E/W/D	E625
Total Metals Digestion	Completed				11/03/14	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	ug/L	11/04/14	AW	E608
PCB-1221	ND	0.050	ug/L	11/04/14	AW	E608
PCB-1232	ND	0.050	ug/L	11/04/14	AW	E608

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1242	ND	0.050		ug/L	11/04/14	AW	E608
PCB-1248	ND	0.050		ug/L	11/04/14	AW	E608
PCB-1254	ND	0.050		ug/L	11/04/14	AW	E608
PCB-1260	ND	0.050		ug/L	11/04/14	AW	E608
PCB-1262	ND	0.050		ug/L	11/04/14	AW	E608
PCB-1268	ND	0.050		ug/L	11/04/14	AW	E608
<u>QA/QC Surrogates</u>							
% DCBP (Surrogate Rec)	43			%	11/04/14	AW	30 - 150 %
% TCMX (Surrogate Rec)	63			%	11/04/14	AW	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	11/04/14	MH	E624
1,1,2,2-tetrachloroethane	ND	5.0		ug/L	11/04/14	MH	E624
1,1,2-Trichloroethane	ND	5.0		ug/L	11/04/14	MH	E624
1,1-Dichloroethane	ND	5.0		ug/L	11/04/14	MH	E624
1,1-Dichloroethene	ND	5.0		ug/L	11/04/14	MH	E624
1,2-Dichlorobenzene	ND	5.0		ug/L	11/04/14	MH	E624
1,2-Dichloroethane	ND	5.0		ug/L	11/04/14	MH	E624
1,2-Dichloropropane	ND	5.0		ug/L	11/04/14	MH	E624
1,3-Dichlorobenzene	ND	5.0		ug/L	11/04/14	MH	E624
1,4-Dichlorobenzene	ND	5.0		ug/L	11/04/14	MH	E624
Benzene	ND	5.0		ug/L	11/04/14	MH	E624
Bromodichloromethane	ND	5.0		ug/L	11/04/14	MH	E624
Bromoform	ND	5.0		ug/L	11/04/14	MH	E624
Bromomethane	ND	5.0		ug/L	11/04/14	MH	E624
Carbon tetrachloride	ND	5.0		ug/L	11/04/14	MH	E624
Chlorobenzene	ND	5.0		ug/L	11/04/14	MH	E624
Chloroethane	ND	5.0		ug/L	11/04/14	MH	E624
Chloroform	ND	5.0		ug/L	11/04/14	MH	E624
Chloromethane	ND	5.0		ug/L	11/04/14	MH	E624
cis-1,2-Dichloroethene	ND	5.0		ug/L	11/04/14	MH	E624
cis-1,3-Dichloropropene	ND	5.0		ug/L	11/04/14	MH	E624
Dibromochloromethane	ND	5.0		ug/L	11/04/14	MH	E624
Ethylbenzene	ND	5.0		ug/L	11/04/14	MH	E624
m&p-Xylene	ND	5.0		ug/L	11/04/14	MH	E624
Methyl t-butyl ether (MTBE)	ND	5.0		ug/L	11/04/14	MH	E624
Methylene chloride	ND	5.0		ug/L	11/04/14	MH	E624
o-Xylene	ND	5.0		ug/L	11/04/14	MH	E624
Tetrachloroethene	ND	5.0		ug/L	11/04/14	MH	E624
Toluene	ND	5.0		ug/L	11/04/14	MH	E624
trans-1,2-Dichloroethene	ND	5.0		ug/L	11/04/14	MH	E624
trans-1,3-Dichloropropene	ND	5.0		ug/L	11/04/14	MH	E624
Trichloroethene	ND	5.0		ug/L	11/04/14	MH	E624
Trichlorofluoromethane	ND	5.0		ug/L	11/04/14	MH	E624
Vinyl chloride	ND	5.0		ug/L	11/04/14	MH	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	11/04/14	MH	70 - 130 %
% Bromofluorobenzene	99			%	11/04/14	MH	70 - 130 %
% Dibromofluoromethane	115			%	11/04/14	MH	70 - 130 %
% Toluene-d8	102			%	11/04/14	MH	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Base Neutrals & Acid Compounds							
1,2,4-Trichlorobenzene	ND	5.0		ug/L	11/05/14	DD	E625
1,2-Dichlorobenzene	ND	5.0		ug/L	11/05/14	DD	E625
1,2-Diphenylhydrazine	ND	5.0		ug/L	11/05/14	DD	E625
1,3-Dichlorobenzene	ND	5.0		ug/L	11/05/14	DD	E625
1,4-Dichlorobenzene	ND	5.0		ug/L	11/05/14	DD	E625
2,4,6-Trichlorophenol	ND	5.0		ug/L	11/05/14	DD	E625
2,4-Dichlorophenol	ND	5.0		ug/L	11/05/14	DD	E625
2,4-Dimethylphenol	ND	5.0		ug/L	11/05/14	DD	E625
2,4-Dinitrophenol	ND	5.0		ug/L	11/05/14	DD	E625
2,4-Dinitrotoluene	ND	5.0		ug/L	11/05/14	DD	E625
2,6-Dinitrotoluene	ND	5.0		ug/L	11/05/14	DD	E625
2-Chloronaphthalene	ND	5.0		ug/L	11/05/14	DD	E625
2-Chlorophenol	ND	5.0		ug/L	11/05/14	DD	E625
2-Nitrophenol	ND	5.0		ug/L	11/05/14	DD	E625
3,3-Dichlorobenzidine	ND	5.0		ug/L	11/05/14	DD	E625
4,6-Dinitro-2-methylphenol	ND	5.0		ug/L	11/05/14	DD	E625
4-Bromophenyl phenyl ether	ND	5.0		ug/L	11/05/14	DD	E625
4-Chloro-3-methylphenol	ND	5.0		ug/L	11/05/14	DD	E625
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	11/05/14	DD	E625
4-Nitrophenol	ND	5.0		ug/L	11/05/14	DD	E625
Acenaphthene	ND	5.0		ug/L	11/05/14	DD	E625
Acenaphthylene	ND	5.0		ug/L	11/05/14	DD	E625
Anthracene	ND	5.0		ug/L	11/05/14	DD	E625
Benz(a)anthracene	ND	5.0		ug/L	11/05/14	DD	E625
Benzidine	ND	5.0		ug/L	11/05/14	DD	E625
Benzo(a)pyrene	ND	5.0		ug/L	11/05/14	DD	E625
Benzo(b)fluoranthene	ND	5.0		ug/L	11/05/14	DD	E625
Benzo(ghi)perylene	ND	5.0		ug/L	11/05/14	DD	E625
Benzo(k)fluoranthene	ND	5.0		ug/L	11/05/14	DD	E625
Benzyl butyl phthalate	ND	5.0		ug/L	11/05/14	DD	E625
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	11/05/14	DD	E625
Bis(2-chloroethyl)ether	ND	5.0		ug/L	11/05/14	DD	E625
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	11/05/14	DD	E625
Bis(2-ethylhexyl)phthalate	ND	5.0		ug/L	11/05/14	DD	E625
Chrysene	ND	5.0		ug/L	11/05/14	DD	E625
Dibenz(a,h)anthracene	ND	5.0		ug/L	11/05/14	DD	E625
Diethyl phthalate	ND	5.0		ug/L	11/05/14	DD	E625
Dimethylphthalate	ND	5.0		ug/L	11/05/14	DD	E625
Di-n-butylphthalate	ND	5.0		ug/L	11/05/14	DD	E625
Di-n-octylphthalate	ND	5.0		ug/L	11/05/14	DD	E625
Fluoranthene	ND	5.0		ug/L	11/05/14	DD	E625
Fluorene	ND	5.0		ug/L	11/05/14	DD	E625
Hexachlorobenzene	ND	5.0		ug/L	11/05/14	DD	E625
Hexachlorobutadiene	ND	5.0		ug/L	11/05/14	DD	E625
Hexachlorocyclopentadiene	ND	5.0		ug/L	11/05/14	DD	E625
Hexachloroethane	ND	5.0		ug/L	11/05/14	DD	E625
Indeno(1,2,3-cd)pyrene	ND	5.0		ug/L	11/05/14	DD	E625
Isophorone	ND	5.0		ug/L	11/05/14	DD	E625

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Naphthalene	ND	5.0		ug/L	11/05/14	DD	E625
Nitrobenzene	ND	5.0		ug/L	11/05/14	DD	E625
N-Nitrosodimethylamine	ND	5.0		ug/L	11/05/14	DD	E625
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	11/05/14	DD	E625
N-Nitrosodiphenylamine	ND	5.0		ug/L	11/05/14	DD	E625
Pentachlorophenol	ND	5.0		ug/L	11/05/14	DD	E625
Phenanthrene	ND	5.0		ug/L	11/05/14	DD	E625
Phenol	ND	5.0		ug/L	11/05/14	DD	E625
Pyrene	ND	5.0		ug/L	11/05/14	DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	83			%	11/05/14	DD	15 - 110 %
% 2-Fluorobiphenyl	65			%	11/05/14	DD	30 - 130 %
% 2-Fluorophenol	22			%	11/05/14	DD	15 - 110 %
% Nitrobenzene-d5	51			%	11/05/14	DD	30 - 130 %
% Phenol-d5	23			%	11/05/14	DD	15 - 110 %
% Terphenyl-d14	90			%	11/05/14	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.

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

B = Present in blank, no bias suspected.

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

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

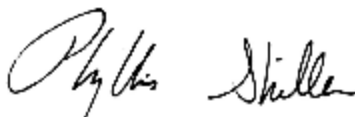
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

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

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 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
11/03/14 0:00
11/03/14 16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35511

Project ID: 14-076-00
Client ID: SB 1 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	88		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	28	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	33	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	5.5	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	11/04/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	85		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	105		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	92		%	11/04/14	JLI	70 - 130 %

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

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

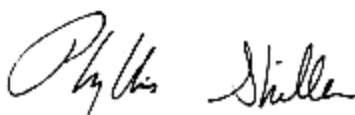
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35512

Project ID: 14-076-00
Client ID: SB 2 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2,3-Trichloropropane	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2-Dibromoethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,2-Dichloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,3-Dichlorobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
1,3-Dichloropropane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
2,2-Dichloropropane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	280	ug/Kg	11/05/14	JLI	SW8260
2-Hexanone	ND	31	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	280	ug/Kg	11/05/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	280	ug/Kg	11/05/14	JLI	SW8260
4-Methyl-2-pentanone	ND	31	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	37	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
Bromochloromethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	280	ug/Kg	11/05/14	JLI	SW8260
Isopropylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
m&p-Xylene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	280	ug/Kg	11/05/14	JLI	SW8260
n-Butylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
n-Propylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
o-Xylene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	280	ug/Kg	11/05/14	JLI	SW8260
sec-Butylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
Styrene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	280	ug/Kg	11/05/14	JLI	SW8260
Tetrachloroethene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	570	ug/Kg	11/05/14	JLI	SW8260
Trichloroethene	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	6.2	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	11/05/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	92		%	11/05/14	JLI	70 - 130 %
% Dibromofluoromethane	75		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	88		%	11/04/14	JLI	70 - 130 %

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

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

BRL=Below Reporting Level

Comments:

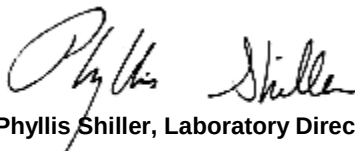
Volatile Comment:

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

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
11/03/14 0:00
11/03/14 16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35513

Project ID: 14-076-00
Client ID: SB 3 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.8	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	49	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	49	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	58	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	5	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	58	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	19	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	19	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	19	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	9.7	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	98		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	95		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	102		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	94		%	11/04/14	JLI	70 - 130 %

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

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

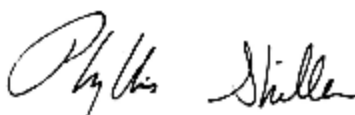
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35514

Project ID: 14-076-00
Client ID: SB 4 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,1,1-Trichloroethane	570	290	ug/Kg	11/05/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	170	ug/Kg	11/05/14	JLI	SW8260
1,1,2-Trichloroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,1-Dichloroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,1-Dichloroethene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,1-Dichloropropene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2,3-Trichloropropane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2-Dibromoethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2-Dichlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2-Dichloroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,2-Dichloropropane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,3-Dichlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,3-Dichloropropane	ND	290	ug/Kg	11/05/14	JLI	SW8260
1,4-Dichlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
2,2-Dichloropropane	ND	290	ug/Kg	11/05/14	JLI	SW8260
2-Chlorotoluene	ND	290	ug/Kg	11/05/14	JLI	SW8260
2-Hexanone	ND	1400	ug/Kg	11/05/14	JLI	SW8260
2-Isopropyltoluene	ND	290	ug/Kg	11/05/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	290	ug/Kg	11/05/14	JLI	SW8260
4-Methyl-2-pentanone	ND	1400	ug/Kg	11/05/14	JLI	SW8260
Acetone	ND	1700	ug/Kg	11/05/14	JLI	SW8260
Acrylonitrile	ND	290	ug/Kg	11/05/14	JLI	SW8260
Benzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Bromobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Bromochloromethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Bromodichloromethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Bromoform	ND	290	ug/Kg	11/05/14	JLI	SW8260
Bromomethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Carbon Disulfide	ND	290	ug/Kg	11/05/14	JLI	SW8260
Carbon tetrachloride	ND	290	ug/Kg	11/05/14	JLI	SW8260
Chlorobenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Chloroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Chloroform	ND	290	ug/Kg	11/05/14	JLI	SW8260
Chloromethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	290	ug/Kg	11/05/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Dibromochloromethane	ND	170	ug/Kg	11/05/14	JLI	SW8260
Dibromomethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Dichlorodifluoromethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Ethylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Hexachlorobutadiene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Isopropylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
m&p-Xylene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Methyl Ethyl Ketone	ND	1700	ug/Kg	11/05/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	570	ug/Kg	11/05/14	JLI	SW8260
Methylene chloride	ND	290	ug/Kg	11/05/14	JLI	SW8260
Naphthalene	ND	290	ug/Kg	11/05/14	JLI	SW8260
n-Butylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
n-Propylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
o-Xylene	ND	290	ug/Kg	11/05/14	JLI	SW8260
p-Isopropyltoluene	ND	290	ug/Kg	11/05/14	JLI	SW8260
sec-Butylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Styrene	ND	290	ug/Kg	11/05/14	JLI	SW8260
tert-Butylbenzene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Tetrachloroethene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	570	ug/Kg	11/05/14	JLI	SW8260
Toluene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Total Xylenes	ND	290	ug/Kg	11/05/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	290	ug/Kg	11/05/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	290	ug/Kg	11/05/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	570	ug/Kg	11/05/14	JLI	SW8260
Trichloroethene	ND	290	ug/Kg	11/05/14	JLI	SW8260
Trichlorofluoromethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Trichlorotrifluoroethane	ND	290	ug/Kg	11/05/14	JLI	SW8260
Vinyl chloride	ND	290	ug/Kg	11/05/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	11/05/14	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	94		%	11/05/14	JLI	70 - 130 %
% Dibromofluoromethane	93		%	11/05/14	JLI	70 - 130 %
% Toluene-d8	99		%	11/05/14	JLI	70 - 130 %

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

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

BRL=Below Reporting Level

Comments:

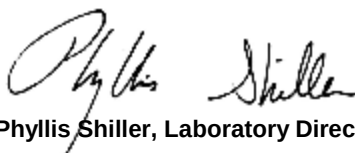
Volatile Comment:

Elevated reporting limits for volatiles because when the low-level sample was analyzed there was poor internal standard response. The high level vial was analyzed and results are reported.

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35515

Project ID: 14-076-00
Client ID: SB 5 (0-2)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	84		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	30	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	36	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	6.0	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	99		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	103		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	95		%	11/04/14	JLI	70 - 130 %

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

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

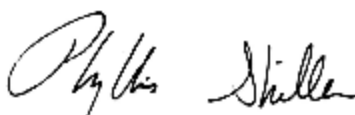
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35516

Project ID: 14-076-00
Client ID: SB 1 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	86		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.0	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	33	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	33	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	40	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	4.0	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	40	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	13	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	6.7	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	100		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	103		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	95		%	11/04/14	JLI	70 - 130 %

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

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

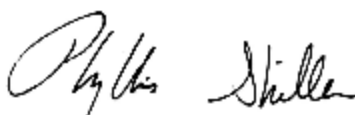
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35517

Project ID: 14-076-00
Client ID: SB 2 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	82		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	35	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	35	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	42	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	4.2	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	42	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	14	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	7.0	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	100		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	101		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	95		%	11/04/14	JLI	70 - 130 %

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

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

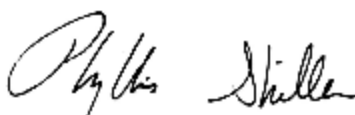
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35518

Project ID: 14-076-00
Client ID: SB 3 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	83		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.8	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	11	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	11	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	11	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	57	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	11	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	57	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	68	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	11	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	11	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	11	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	11	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	11	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	6.8	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	68	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	11	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	11	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	11	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	11	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	23	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	11	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	11	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	11	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	11	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	100		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	101		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	98		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	96		%	11/04/14	JLI	70 - 130 %

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

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

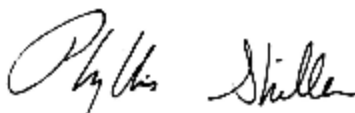
BRL=Below Reporting Level

Comments:

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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 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date Time
11/03/14 0:00
11/03/14 16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35519

Project ID: 14-076-00
Client ID: SB 4 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	93		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	47	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	47	ug/Kg	11/04/14	JLI	SW8260
Acetone	ND	56	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	5.6	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	56	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	19	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	19	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	19	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	9.4	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	102		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	95		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	100		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	93		%	11/04/14	JLI	70 - 130 %

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

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

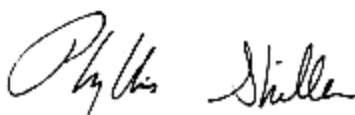
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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



Analysis Report

November 11, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: SOIL
Location Code: GC-ENV
Rush Request: Standard
P.O.#: 10184

Custody Information

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

Date	Time
11/03/14	0:00
11/03/14	16:24

Laboratory Data

SDG ID: GBH35509
Phoenix ID: BH35520

Project ID: 14-076-00
Client ID: SB 5 (13-15)

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Percent Solid	91		%	11/03/14	I	E160.3
Field Extraction	Completed			11/03/14		SW5035

Volatiles

1,1,1,2-Tetrachloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,1,1-Trichloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	ug/Kg	11/04/14	JLI	SW8260
1,1,2-Trichloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloroethene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,1-Dichloropropene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2,3-Trichloropropane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trichlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2,4-Trimethylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dibromoethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,2-Dichloropropane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,3,5-Trimethylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,3-Dichloropropane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
1,4-Dichlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
2,2-Dichloropropane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
2-Chlorotoluene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
2-Hexanone	ND	38	ug/Kg	11/04/14	JLI	SW8260
2-Isopropyltoluene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
4-Chlorotoluene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
4-Methyl-2-pentanone	ND	38	ug/Kg	11/04/14	JLI	SW8260
Acetone	180	46	ug/Kg	11/04/14	JLI	SW8260
Acrylonitrile	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Benzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Bromobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Bromochloromethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Bromodichloromethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Bromoform	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Bromomethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Carbon Disulfide	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Carbon tetrachloride	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Chlorobenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Chloroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Chloroform	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Chloromethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,2-Dichloroethene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
cis-1,3-Dichloropropene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Dibromochloromethane	ND	4.6	ug/Kg	11/04/14	JLI	SW8260
Dibromomethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Dichlorodifluoromethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Ethylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Hexachlorobutadiene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Isopropylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
m&p-Xylene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Methyl Ethyl Ketone	ND	46	ug/Kg	11/04/14	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	11/04/14	JLI	SW8260
Methylene chloride	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Naphthalene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
n-Butylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
n-Propylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
o-Xylene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
p-Isopropyltoluene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
sec-Butylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Styrene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
tert-Butylbenzene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Tetrachloroethene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Tetrahydrofuran (THF)	ND	15	ug/Kg	11/04/14	JLI	SW8260
Toluene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Total Xylenes	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,2-Dichloroethene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,3-Dichloropropene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	11/04/14	JLI	SW8260
Trichloroethene	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorofluoromethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Trichlorotrifluoroethane	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
Vinyl chloride	ND	7.7	ug/Kg	11/04/14	JLI	SW8260
<u>QA/QC Surrogates</u>						
% 1,2-dichlorobenzene-d4	99		%	11/04/14	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
% Bromofluorobenzene	102		%	11/04/14	JLI	70 - 130 %
% Dibromofluoromethane	103		%	11/04/14	JLI	70 - 130 %
% Toluene-d8	94		%	11/04/14	JLI	70 - 130 %

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

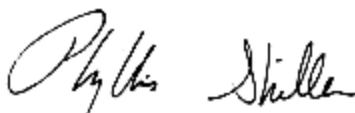
BRL=Below Reporting Level

Comments:

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

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

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Phyllis Shiller, Laboratory Director

November 11, 2014

Reviewed and Released by: Bobbi Aloisa, Vice President



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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

November 11, 2014

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291180, QC Sample No: BH35268 (BH35510)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	107	108	0.9	115	105	9.1	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 291152, QC Sample No: BH35500 (BH35510)												
<u>ICP Metals - Aqueous</u>												
Cadmium	BRL	<0.001	<0.001	NC	94.1	98.7	4.8	97.9	94.7	3.3	75 - 125	20
Copper	BRL	0.053	0.056	5.50	100	104	3.9	103	102	1.0	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	95.4	99.8	4.5	99.0	96.7	2.4	75 - 125	20
Nickel	BRL	<0.001	<0.001	NC	94.7	98.8	4.2	98.3	95.9	2.5	75 - 125	20
Zinc	0.005	0.095	0.100	5.10	97.0	101	4.0	101	99.2	1.8	75 - 125	20



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QA/QC Report

November 11, 2014

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291154, QC Sample No: BH33833 (BH35510)												
Chloride	BRL	26.3	26.0	1.10	97.4			102			85 - 115	20
QA/QC Batch 291157, QC Sample No: BH35256 (BH35510)												
Nitrate-N	BRL	<0.01	<0.01	NC	105			113			85 - 115	20
Nitrite-N	BRL	0.04	0.04	NC	103			95.4			85 - 115	20
QA/QC Batch 291145, QC Sample No: BH35268 (BH35510)												
Chromium, Hexavalent	BRL	<0.01	<0.01	NC	101			114			70 - 130	20
QA/QC Batch 291428, QC Sample No: BH35273 (BH35510)												
Oil and Grease by EPA 1664	BRL				100						85 - 115	20
QA/QC Batch 291163, QC Sample No: BH35336 (BH35510)												
pH		7.09	7.70	8.20	96.4						85 - 115	20
QA/QC Batch 291183, QC Sample No: BH35369 (BH35510)												
Total Suspended Solids	BRL	<5.0	<5.0	NC	100						85 - 115	20
QA/QC Batch 291139, QC Sample No: BH35450 (BH35510)												
B.O.D./5 day	BRL	<4.0	4.8	NC	113			123			70 - 130	20
QA/QC Batch 291177, QC Sample No: BH35454 (BH35510)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 291192, QC Sample No: BH35540 (BH35510)												
Nitrogen Tot Kjeldahl	BRL	0.34	0.34	NC	96.0			102			85 - 115	20



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QA/QC Report

November 11, 2014

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 291018, QC Sample No: BH34794 (BH35510)									
<u>Polychlorinated Biphenyls</u>									
PCB-1016	ND	95	95	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	97	97	0.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	65	73	65	11.6				30 - 150	20
% TCMX (Surrogate Rec)	73	82	76	7.6				30 - 150	20

Comment:

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

QA/QC Batch 291122, QC Sample No: BH35242 (BH35510)

Semivolatiles

1,2,4-Trichlorobenzene	ND	72	72	0.0				30 - 130	20
1,2-Dichlorobenzene	ND	62	62	0.0				30 - 130	20
1,2-Diphenylhydrazine	ND	90	92	2.2				30 - 130	20
1,3-Dichlorobenzene	ND	60	60	0.0				30 - 130	20
1,4-Dichlorobenzene	ND	62	62	0.0				30 - 130	20
2,4,6-Trichlorophenol	ND	96	98	2.1				30 - 130	20
2,4-Dichlorophenol	ND	81	82	1.2				30 - 130	20
2,4-Dimethylphenol	ND	79	79	0.0				30 - 130	20
2,4-Dinitrophenol	ND	107	108	0.9				30 - 130	20
2,4-Dinitrotoluene	ND	98	101	3.0				30 - 130	20
2,6-Dinitrotoluene	ND	98	101	3.0				30 - 130	20
2-Chloronaphthalene	ND	86	88	2.3				30 - 130	20
2-Chlorophenol	ND	68	68	0.0				30 - 130	20
2-Nitrophenol	ND	80	80	0.0				30 - 130	20
3,3'-Dichlorobenzidine	ND	77	75	2.6				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	107	111	3.7				30 - 130	20
4-Bromophenyl phenyl ether	ND	97	96	1.0				30 - 130	20
4-Chloro-3-methylphenol	ND	94	93	1.1				30 - 130	20
4-Chlorophenyl phenyl ether	ND	98	99	1.0				30 - 130	20
4-Nitrophenol	ND	100	102	2.0				30 - 130	20
Acenaphthene	ND	97	98	1.0				30 - 130	20
Acenaphthylene	ND	84	85	1.2				30 - 130	20
Anthracene	ND	96	96	0.0				30 - 130	20
Benz(a)anthracene	ND	94	93	1.1				30 - 130	20
Benzidine	ND	81	79	2.5				30 - 130	20

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzo(a)pyrene	ND	90	91	1.1				30 - 130	20
Benzo(b)fluoranthene	ND	100	95	5.1				30 - 130	20
Benzo(ghi)perylene	ND	84	89	5.8				30 - 130	20
Benzo(k)fluoranthene	ND	94	101	7.2				30 - 130	20
Benzyl butyl phthalate	ND	93	94	1.1				30 - 130	20
Bis(2-chloroethoxy)methane	ND	78	78	0.0				30 - 130	20
Bis(2-chloroethyl)ether	ND	63	63	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	68	68	0.0				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	108	106	1.9				30 - 130	20
Chrysene	ND	104	104	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	90	92	2.2				30 - 130	20
Diethyl phthalate	ND	97	98	1.0				30 - 130	20
Dimethylphthalate	ND	94	96	2.1				30 - 130	20
Di-n-butylphthalate	ND	103	102	1.0				30 - 130	20
Di-n-octylphthalate	ND	99	100	1.0				30 - 130	20
Fluoranthene	ND	99	100	1.0				30 - 130	20
Fluorene	ND	99	100	1.0				30 - 130	20
Hexachlorobenzene	ND	96	96	0.0				30 - 130	20
Hexachlorobutadiene	ND	68	68	0.0				30 - 130	20
Hexachlorocyclopentadiene	ND	45	45	0.0				30 - 130	20
Hexachloroethane	ND	62	63	1.6				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	88	92	4.4				30 - 130	20
Isophorone	ND	78	77	1.3				30 - 130	20
Naphthalene	ND	77	77	0.0				30 - 130	20
Nitrobenzene	ND	74	74	0.0				30 - 130	20
N-Nitrosodimethylamine	ND	57	59	3.4				30 - 130	20
N-Nitrosodi-n-propylamine	ND	83	83	0.0				30 - 130	20
N-Nitrosodiphenylamine	ND	99	101	2.0				30 - 130	20
Pentachlorophenol	ND	102	103	1.0				30 - 130	20
Phenanthrene	ND	99	100	1.0				30 - 130	20
Phenol	ND	65	65	0.0				30 - 130	20
Pyrene	ND	100	101	1.0				30 - 130	20
% 2,4,6-Tribromophenol	94	97	96	1.0				30 - 130	20
% 2-Fluorobiphenyl	49	81	83	2.4				30 - 130	20
% 2-Fluorophenol	52	52	53	1.9				15 - 110	20
% Nitrobenzene-d5	50	71	71	0.0				30 - 130	20
% Phenol-d5	49	63	63	0.0				15 - 110	20
% Terphenyl-d14	90	103	104	1.0				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 291296, QC Sample No: BH35243 (BH35510)

Volatiles

1,1,1-Trichloroethane	ND	104	97	7.0	107	114	6.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	97	98	1.0	100	104	3.9	70 - 130	30
1,1,2-Trichloroethane	ND	94	96	2.1	104	107	2.8	70 - 130	30
1,1-Dichloroethane	ND	101	96	5.1	105	115	9.1	70 - 130	30
1,1-Dichloroethene	ND	98	93	5.2	96	109	12.7	70 - 130	30
1,2-Dichlorobenzene	ND	91	91	0.0	95	101	6.1	70 - 130	30
1,2-Dichloroethane	ND	95	95	0.0	99	103	4.0	70 - 130	30
1,2-Dichloropropane	ND	95	94	1.1	98	104	5.9	70 - 130	30
1,3-Dichlorobenzene	ND	92	91	1.1	98	102	4.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,4-Dichlorobenzene	ND	90	88	2.2	94	99	5.2	70 - 130	30
Benzene	ND	94	93	1.1	97	103	6.0	70 - 130	30
Bromodichloromethane	ND	96	93	3.2	97	103	6.0	70 - 130	30
Bromoform	ND	99	100	1.0	106	109	2.8	70 - 130	30
Bromomethane	ND	86	81	6.0	76	90	16.9	70 - 130	30
Carbon tetrachloride	ND	99	94	5.2	97	110	12.6	70 - 130	30
Chlorobenzene	ND	93	92	1.1	97	103	6.0	70 - 130	30
Chloroethane	ND	99	94	5.2	98	110	11.5	70 - 130	30
Chloroform	ND	102	99	3.0	106	112	5.5	70 - 130	30
Chloromethane	ND	102	97	5.0	94	108	13.9	70 - 130	30
cis-1,2-Dichloroethene	ND	100	97	3.0	105	112	6.5	70 - 130	30
cis-1,3-Dichloropropene	ND	97	96	1.0	97	100	3.0	70 - 130	30
Dibromochloromethane	ND	96	97	1.0	102	106	3.8	70 - 130	30
Ethylbenzene	ND	96	95	1.0	97	105	7.9	70 - 130	30
m&p-Xylene	ND	94	91	3.2	96	104	8.0	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	96	96	0.0	96	98	2.1	70 - 130	30
Methylene chloride	ND	89	87	2.3	92	97	5.3	70 - 130	30
o-Xylene	ND	96	94	2.1	98	106	7.8	70 - 130	30
Tetrachloroethene	ND	96	92	4.3	98	106	7.8	70 - 130	30
Toluene	ND	95	93	2.1	97	104	7.0	70 - 130	30
trans-1,2-Dichloroethene	ND	98	94	4.2	97	107	9.8	70 - 130	30
trans-1,3-Dichloropropene	ND	97	98	1.0	97	99	2.0	70 - 130	30
Trichloroethene	ND	96	95	1.0	100	107	6.8	70 - 130	30
Trichlorofluoromethane	ND	96	92	4.3	95	107	11.9	70 - 130	30
Vinyl chloride	ND	99	93	6.3	91	105	14.3	70 - 130	30
% 1,2-dichlorobenzene-d4	102	99	102	3.0	101	102	1.0	70 - 130	30
% Bromofluorobenzene	97	102	102	0.0	100	102	2.0	70 - 130	30
% Dibromofluoromethane	114	112	112	0.0	113	113	0.0	70 - 130	30
% Toluene-d8	102	100	101	1.0	102	100	2.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 291301, QC Sample No: BH35506 (BH35511, BH35512, BH35513, BH35515, BH35516, BH35517, BH35518, BH35519, BH35520)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	86	85	1.2	96	96	0.0	70 - 130	30
1,1,1-Trichloroethane	ND	87	86	1.2	105	105	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	85	83	2.4	83	83	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	80	78	2.5	87	89	2.3	70 - 130	30
1,1-Dichloroethane	ND	82	81	1.2	94	93	1.1	70 - 130	30
1,1-Dichloroethene	ND	85	87	2.3	98	96	2.1	70 - 130	30
1,1-Dichloropropene	ND	87	85	2.3	98	99	1.0	70 - 130	30
1,2,3-Trichlorobenzene	ND	87	85	2.3	81	83	2.4	70 - 130	30
1,2,3-Trichloropropane	ND	80	79	1.3	88	84	4.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	93	88	5.5	80	84	4.9	70 - 130	30
1,2,4-Trimethylbenzene	ND	83	80	3.7	88	90	2.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	85	84	1.2	89	89	0.0	70 - 130	30
1,2-Dibromoethane	ND	81	81	0.0	88	90	2.2	70 - 130	30
1,2-Dichlorobenzene	ND	83	83	0.0	85	86	1.2	70 - 130	30
1,2-Dichloroethane	ND	85	85	0.0	102	102	0.0	70 - 130	30
1,2-Dichloropropane	ND	80	80	0.0	87	87	0.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	88	84	4.7	91	92	1.1	70 - 130	30
1,3-Dichlorobenzene	ND	86	83	3.6	84	86	2.4	70 - 130	30

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichloropropane	ND	82	81	1.2	88	89	1.1	70 - 130	30
1,4-Dichlorobenzene	ND	86	84	2.4	84	86	2.4	70 - 130	30
2,2-Dichloropropane	ND	89	88	1.1	101	99	2.0	70 - 130	30
2-Chlorotoluene	ND	85	82	3.6	86	90	4.5	70 - 130	30
2-Hexanone	ND	70	71	1.4	81	80	1.2	70 - 130	30
2-Isopropyltoluene	ND	88	85	3.5	92	92	0.0	70 - 130	30
4-Chlorotoluene	ND	86	82	4.8	86	87	1.2	70 - 130	30
4-Methyl-2-pentanone	ND	75	77	2.6	87	86	1.2	70 - 130	30
Acetone	ND	71	77	8.1	78	73	6.6	70 - 130	30
Acrylonitrile	ND	80	83	3.7	85	81	4.8	70 - 130	30
Benzene	ND	82	81	1.2	87	88	1.1	70 - 130	30
Bromobenzene	ND	85	82	3.6	84	88	4.7	70 - 130	30
Bromochloromethane	ND	81	82	1.2	88	88	0.0	70 - 130	30
Bromodichloromethane	ND	87	86	1.2	96	98	2.1	70 - 130	30
Bromoform	ND	91	91	0.0	98	100	2.0	70 - 130	30
Bromomethane	ND	87	87	0.0	99	99	0.0	70 - 130	30
Carbon Disulfide	ND	93	91	2.2	98	97	1.0	70 - 130	30
Carbon tetrachloride	ND	91	88	3.4	109	112	2.7	70 - 130	30
Chlorobenzene	ND	83	81	2.4	89	90	1.1	70 - 130	30
Chloroethane	ND	89	88	1.1	108	106	1.9	70 - 130	30
Chloroform	ND	82	81	1.2	94	94	0.0	70 - 130	30
Chloromethane	ND	81	81	0.0	89	88	1.1	70 - 130	30
cis-1,2-Dichloroethene	ND	80	81	1.2	88	87	1.1	70 - 130	30
cis-1,3-Dichloropropene	ND	88	87	1.1	91	91	0.0	70 - 130	30
Dibromochloromethane	ND	90	89	1.1	99	99	0.0	70 - 130	30
Dibromomethane	ND	82	82	0.0	92	92	0.0	70 - 130	30
Dichlorodifluoromethane	ND	88	87	1.1	108	106	1.9	70 - 130	30
Ethylbenzene	ND	86	84	2.4	90	91	1.1	70 - 130	30
Hexachlorobutadiene	ND	92	88	4.4	92	96	4.3	70 - 130	30
Isopropylbenzene	ND	83	80	3.7	89	90	1.1	70 - 130	30
m&p-Xylene	ND	85	83	2.4	89	91	2.2	70 - 130	30
Methyl ethyl ketone	ND	74	73	1.4	83	82	1.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	80	80	0.0	90	105	15.4	70 - 130	30
Methylene chloride	ND	73	73	0.0	74	74	0.0	70 - 130	30
Naphthalene	ND	82	82	0.0	82	83	1.2	70 - 130	30
n-Butylbenzene	ND	91	87	4.5	91	94	3.2	70 - 130	30
n-Propylbenzene	ND	84	79	6.1	89	92	3.3	70 - 130	30
o-Xylene	ND	83	82	1.2	89	91	2.2	70 - 130	30
p-Isopropyltoluene	ND	89	86	3.4	93	94	1.1	70 - 130	30
sec-Butylbenzene	ND	87	84	3.5	91	93	2.2	70 - 130	30
Styrene	ND	84	83	1.2	88	88	0.0	70 - 130	30
tert-Butylbenzene	ND	84	81	3.6	92	94	2.2	70 - 130	30
Tetrachloroethene	ND	88	85	3.5	94	95	1.1	70 - 130	30
Tetrahydrofuran (THF)	ND	78	82	5.0	87	83	4.7	70 - 130	30
Toluene	ND	83	82	1.2	89	90	1.1	70 - 130	30
trans-1,2-Dichloroethene	ND	86	85	1.2	95	100	5.1	70 - 130	30
trans-1,3-Dichloropropene	ND	91	91	0.0	97	95	2.1	70 - 130	30
trans-1,4-dichloro-2-butene	ND	91	89	2.2	85	87	2.3	70 - 130	30
Trichloroethene	ND	85	84	1.2	93	94	1.1	70 - 130	30
Trichlorofluoromethane	ND	92	90	2.2	116	111	4.4	70 - 130	30
Trichlorotrifluoroethane	ND	86	84	2.4	107	106	0.9	70 - 130	30
Vinyl chloride	ND	85	85	0.0	97	91	6.4	70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	99	1.0	99	100	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	98	101	102	1.0	105	104	1.0	70 - 130	30
% Dibromofluoromethane	100	97	99	2.0	102	102	0.0	70 - 130	30
% Toluene-d8	93	99	99	0.0	100	101	1.0	70 - 130	30

Comment:

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

QA/QC Batch 291293, QC Sample No: BH35898 (BH35512 (71X) , BH35514 (38X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	87	87	0.0	101	101	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	83	82	1.2	97	93	4.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	87	88	1.1	94	89	5.5	70 - 130	30	
1,1,2-Trichloroethane	ND	78	81	3.8	97	91	6.4	70 - 130	30	
1,1-Dichloroethane	ND	79	81	2.5	94	91	3.2	70 - 130	30	
1,1-Dichloroethene	ND	81	82	1.2	68	68	0.0	70 - 130	30	m
1,1-Dichloropropene	ND	85	84	1.2	107	101	5.8	70 - 130	30	
1,2,3-Trichlorobenzene	ND	85	84	1.2	107	109	1.9	70 - 130	30	
1,2,3-Trichloropropane	ND	83	82	1.2	94	89	5.5	70 - 130	30	
1,2,4-Trichlorobenzene	ND	88	84	4.7	116	115	0.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	85	84	1.2	111	108	2.7	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	85	83	2.4	105	103	1.9	70 - 130	30	
1,2-Dibromoethane	ND	84	86	2.4	99	95	4.1	70 - 130	30	
1,2-Dichlorobenzene	ND	83	80	3.7	102	102	0.0	70 - 130	30	
1,2-Dichloroethane	ND	82	84	2.4	101	95	6.1	70 - 130	30	
1,2-Dichloropropane	ND	78	81	3.8	95	92	3.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	89	88	1.1	109	108	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	85	83	2.4	105	105	0.0	70 - 130	30	
1,3-Dichloropropane	ND	84	86	2.4	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	85	83	2.4	109	107	1.9	70 - 130	30	
2,2-Dichloropropane	ND	80	82	2.5	94	92	2.2	70 - 130	30	
2-Chlorotoluene	ND	87	86	1.2	108	108	0.0	70 - 130	30	
2-Hexanone	ND	77	81	5.1	103	97	6.0	70 - 130	30	
2-Isopropyltoluene	ND	92	89	3.3	108	108	0.0	70 - 130	30	
4-Chlorotoluene	ND	83	83	0.0	104	103	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	76	79	3.9	97	90	7.5	70 - 130	30	
Acetone	ND	70	68	2.9	69	67	2.9	70 - 130	30	l,m
Acrylonitrile	ND	79	80	1.3	92	87	5.6	70 - 130	30	
Benzene	ND	80	83	3.7	97	94	3.1	70 - 130	30	
Bromobenzene	ND	84	83	1.2	102	102	0.0	70 - 130	30	
Bromochloromethane	ND	80	81	1.2	94	93	1.1	70 - 130	30	
Bromodichloromethane	ND	82	85	3.6	96	94	2.1	70 - 130	30	
Bromoform	ND	86	90	4.5	99	99	0.0	70 - 130	30	
Bromomethane	ND	73	76	4.0	48	51	6.1	70 - 130	30	m
Carbon Disulfide	ND	85	86	1.2	67	68	1.5	70 - 130	30	m
Carbon tetrachloride	ND	83	85	2.4	98	97	1.0	70 - 130	30	
Chlorobenzene	ND	82	84	2.4	100	99	1.0	70 - 130	30	
Chloroethane	ND	73	79	7.9	41	39	5.0	70 - 130	30	m
Chloroform	ND	80	83	3.7	96	91	5.3	70 - 130	30	
Chloromethane	ND	80	80	0.0	86	86	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	81	82	1.2	96	95	1.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	86	87	1.2	100	98	2.0	70 - 130	30	
Dibromochloromethane	ND	87	90	3.4	101	99	2.0	70 - 130	30	
Dibromomethane	ND	81	83	2.4	96	93	3.2	70 - 130	30	
Dichlorodifluoromethane	ND	81	83	2.4	88	89	1.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH35509

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Ethylbenzene	ND	87	87	0.0	103	102	1.0	70 - 130	30
Hexachlorobutadiene	ND	89	87	2.3	110	110	0.0	70 - 130	30
Isopropylbenzene	ND	90	88	2.2	111	110	0.9	70 - 130	30
m&p-Xylene	ND	86	87	1.2	107	103	3.8	70 - 130	30
Methyl ethyl ketone	ND	71	70	1.4	94	89	5.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	82	88	7.1	100	95	5.1	70 - 130	30
Methylene chloride	ND	69	70	1.4	72	69	4.3	70 - 130	30
Naphthalene	ND	90	89	1.1	119	116	2.6	70 - 130	30
n-Butylbenzene	ND	91	87	4.5	114	115	0.9	70 - 130	30
n-Propylbenzene	ND	83	81	2.4	109	105	3.7	70 - 130	30
o-Xylene	ND	89	87	2.3	109	106	2.8	70 - 130	30
p-Isopropyltoluene	ND	92	90	2.2	115	115	0.0	70 - 130	30
sec-Butylbenzene	ND	93	89	4.4	108	107	0.9	70 - 130	30
Styrene	ND	90	91	1.1	117	114	2.6	70 - 130	30
tert-Butylbenzene	ND	89	87	2.3	107	108	0.9	70 - 130	30
Tetrachloroethene	ND	88	89	1.1	104	105	1.0	70 - 130	30
Tetrahydrofuran (THF)	ND	79	82	3.7	96	89	7.6	70 - 130	30
Toluene	ND	80	81	1.2	91	84	8.0	70 - 130	30
trans-1,2-Dichloroethene	ND	78	81	3.8	84	81	3.6	70 - 130	30
trans-1,3-Dichloropropene	ND	86	89	3.4	101	97	4.0	70 - 130	30
trans-1,4-dichloro-2-butene	ND	87	87	0.0	102	98	4.0	70 - 130	30
Trichloroethene	ND	85	86	1.2	107	106	0.9	70 - 130	30
Trichlorofluoromethane	ND	79	83	4.9	29	29	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	78	80	2.5	77	75	2.6	70 - 130	30
Vinyl chloride	ND	79	81	2.5	86	84	2.4	70 - 130	30
% 1,2-dichlorobenzene-d4	100	101	99	2.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	95	102	104	1.9	100	100	0.0	70 - 130	30
% Dibromofluoromethane	93	99	100	1.0	96	95	1.0	70 - 130	30
% Toluene-d8	103	98	98	0.0	98	96	2.1	70 - 130	30

Comment:

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

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

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

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

November 11, 2014

Sample Criteria Exceedences Report

Criteria: NY: GW, TAGS

GBH35509 - GC-ENV

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH35510	\$624WMR	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	0.7	0.7	ug/L
BH35510	\$624WMR	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$624WMR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BH35510	\$624WMR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BH35510	\$624WMR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.6	0.6	ug/L
BH35510	\$624WMR	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$624WMR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BH35510	\$624WMR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BH35510	\$624WMR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$624WMR	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	2	2	ug/L
BH35510	\$624WMR	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	ND	5.0	2	2	ug/L
BH35510	\$625-WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Hexachlorobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.35	0.35	ug/L
BH35510	\$625-WMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Pentachlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BH35510	\$625-WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BH35510	\$625-WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Pentachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BH35510	\$625-WMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Hexachlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.04	0.04	ug/L
BH35510	\$625-WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.002	0.002	ug/L
BH35510	\$625-WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BH35510	\$625-WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L

Sample Criteria Exceedences Report

Criteria: NY: GW, TAGS

State: NY

GBH35509 - GC-ENV

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH35510	\$625-WMR	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.5	0.5	ug/L
BH35510	CLD-WM	Chloride	NY / TOGS - Water Quality / GA Criteria	260	6.0	250	250	mg/L
BH35510	CU-WM	Copper	NY / TOGS - Water Quality / GA Criteria	0.493	0.005	0.2	0.2	mg/L
BH35510	NI-WM	Nickel	NY / TOGS - Water Quality / GA Criteria	0.202	0.001	0.1	0.1	mg/L
BH35510	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.043	0.002	0.025	0.025	mg/L

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



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



NY Temperature Narration

November 11, 2014

SDG I.D.: GBH35509

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



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



Sample Acknowledgement

November 04, 2014

FOR: Attn: Mr. Greg Collins
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Location Code: GC-ENV

SDG ID: GBH35819

Rush Request: Standard

P.O.#:

Project Id: 14-076-00

Temperature:

Phoenix Id	Client Id	Matrix	Sub Date	Col Date	Col By
BH35819	SV 3	AIR	11/04 4:10p	11/03 3:30p	



Monday, November 17, 2014

Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Project ID: ALMA REALTY PHASE II
Sample ID#s: BH40948 - BH40951

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

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

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

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

Sincerely yours,

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

Phyllis Shiller
Laboratory Director

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

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



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



Analysis Report

November 17, 2014

FOR: Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: AIR
Location Code: GC-ENV
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date Time
11/11/14 2:00
11/13/14 15:24

Laboratory Data

SDG ID: GBH40948
Phoenix ID: BH40948

Project ID: ALMA REALTY PHASE II
Client ID: SV-5

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	11/13/14	KCA	TO15	1
1,1,1-Trichloroethane	181	0.183	987	1.00	11/13/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	11/13/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethane	0.360	0.247	1.46	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethene	2.69	0.252	10.6	1.00	11/13/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	11/13/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.830	0.204	4.08	1.00	11/13/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	11/13/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	11/13/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	11/13/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	11/13/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	1
4-Ethyltoluene	0.220	0.204	1.08	1.00	11/13/14	KCA	TO15	1
4-Isopropyltoluene	ND	0.182	ND	1.00	11/13/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	
Acetone	1.49	0.421	3.54	1.00	11/13/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	11/13/14	KCA	TO15	
Benzene	ND	0.313	ND	1.00	11/13/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	11/13/14	KCA	TO15	

Client ID: SV-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	11/13/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	11/13/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	11/13/14	KCA	TO15
Carbon Disulfide	0.360	0.321	1.12	1.00	11/13/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	11/13/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	11/13/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	11/13/14	KCA	TO15
Chloroform	0.930	0.205	4.54	1.00	11/13/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	11/13/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	11/13/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	11/13/14	KCA	TO15
Dichlorodifluoromethane	0.310	0.202	1.53	1.00	11/13/14	KCA	TO15
Ethanol	2.38	0.531	4.48	1.00	11/13/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	11/13/14	KCA	TO15 1
Ethylbenzene	0.310	0.230	1.34	1.00	11/13/14	KCA	TO15
Heptane	1.36	0.244	5.57	1.00	11/13/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	11/13/14	KCA	TO15
Hexane	0.570	0.284	2.01	1.00	11/13/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	11/13/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15
m,p-Xylene	1.42	0.230	6.16	1.00	11/13/14	KCA	TO15
Methyl Ethyl Ketone	ND	0.339	ND	1.00	11/13/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	11/13/14	KCA	TO15
Methylene Chloride	0.310	0.288	1.08	1.00	11/13/14	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
o-Xylene	0.390	0.230	1.69	1.00	11/13/14	KCA	TO15
Propylene	ND	0.581	ND	1.00	11/13/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	11/13/14	KCA	TO15
Tetrachloroethene	3.10	0.037	21.0	0.25	11/13/14	KCA	TO15
Tetrahydrofuran	0.770	0.339	2.27	1.00	11/13/14	KCA	TO15 1
Toluene	1.34	0.266	5.05	1.00	11/13/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Trichloroethene	2.82	0.047	15.1	0.25	11/13/14	KCA	TO15
Trichlorofluoromethane	0.270	0.178	1.52	1.00	11/13/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	11/13/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	11/13/14	KCA	TO15
<u>QA/OC Surrogates</u>							
% Bromofluorobenzene	108	%	108	%	11/13/14	KCA	70 - 130 %

Client ID: SV-5

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

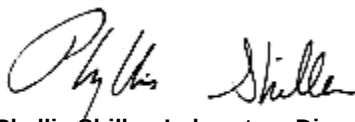
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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

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



Phyllis Shiller, Laboratory Director

November 17, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 17, 2014

FOR: Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: AIR
Location Code: GC-ENV
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date Time
11/11/14 1:45
11/13/14 15:24

Laboratory Data

SDG ID: GBH40948
Phoenix ID: BH40949

Project ID: ALMA REALTY PHASE II
Client ID: SV-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	11/13/14	KCA	TO15	1
1,1,1-Trichloroethane	439	0.183	2390	1.00	11/13/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	11/13/14	KCA	TO15	
1,1,2-Trichloroethane	1.33	0.183	7.25	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethane	2.93	0.247	11.8	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethene	10.8	0.252	42.8	1.00	11/13/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	11/13/14	KCA	TO15	
1,2,4-Trimethylbenzene	2.70	0.204	13.3	1.00	11/13/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	11/13/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	11/13/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.650	0.204	3.19	1.00	11/13/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	11/13/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	11/13/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	1
4-Ethyltoluene	0.640	0.204	3.14	1.00	11/13/14	KCA	TO15	1
4-Isopropyltoluene	ND	0.182	ND	1.00	11/13/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	
Acetone	ND	0.421	ND	1.00	11/13/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	11/13/14	KCA	TO15	
Benzene	0.350	0.313	1.12	1.00	11/13/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	11/13/14	KCA	TO15	

Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	11/13/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	11/13/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	11/13/14	KCA	TO15
Carbon Disulfide	0.770	0.321	2.40	1.00	11/13/14	KCA	TO15
Carbon Tetrachloride	0.050	0.040	0.314	0.25	11/13/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	11/13/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	11/13/14	KCA	TO15
Chloroform	4.03	0.205	19.7	1.00	11/13/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	11/13/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	11/13/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	11/13/14	KCA	TO15
Dichlorodifluoromethane	0.380	0.202	1.88	1.00	11/13/14	KCA	TO15
Ethanol	2.25	0.531	4.24	1.00	11/13/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	11/13/14	KCA	TO15 1
Ethylbenzene	0.740	0.230	3.21	1.00	11/13/14	KCA	TO15
Heptane	1.19	0.244	4.87	1.00	11/13/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	11/13/14	KCA	TO15
Hexane	0.630	0.284	2.22	1.00	11/13/14	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	11/13/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15
m,p-Xylene	3.32	0.230	14.4	1.00	11/13/14	KCA	TO15
Methyl Ethyl Ketone	0.490	0.339	1.44	1.00	11/13/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	11/13/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	11/13/14	KCA	TO15
n-Butylbenzene	0.490	0.182	2.69	1.00	11/13/14	KCA	TO15 1
o-Xylene	1.12	0.230	4.86	1.00	11/13/14	KCA	TO15
Propylene	0.960	0.581	1.65	1.00	11/13/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
Styrene	0.430	0.235	1.83	1.00	11/13/14	KCA	TO15
Tetrachloroethene	4.78	0.037	32.4	0.25	11/13/14	KCA	TO15
Tetrahydrofuran	1.01	0.339	2.98	1.00	11/13/14	KCA	TO15 1
Toluene	2.81	0.266	10.6	1.00	11/13/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Trichloroethene	11.6	0.047	62.3	0.25	11/13/14	KCA	TO15
Trichlorofluoromethane	0.240	0.178	1.35	1.00	11/13/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	11/13/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	11/13/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	99	%	99	%	11/13/14	KCA	70 - 130 %

Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

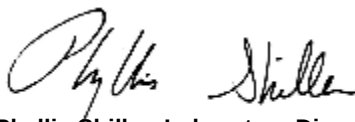
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

November 17, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 17, 2014

FOR: Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: AIR
Location Code: GC-ENV
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date Time
11/11/14 1:35
11/13/14 15:24

Laboratory Data

SDG ID: GBH40948
Phoenix ID: BH40950

Project ID: ALMA REALTY PHASE II
Client ID: SV-4

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	11/13/14	KCA	TO15	1
1,1,1-Trichloroethane	216	0.183	1180	1.00	11/13/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	11/13/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethane	0.320	0.247	1.29	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethene	1.35	0.252	5.35	1.00	11/13/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	11/13/14	KCA	TO15	
1,2,4-Trimethylbenzene	1.40	0.204	6.88	1.00	11/13/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	11/13/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	11/13/14	KCA	TO15	
1,3,5-Trimethylbenzene	0.240	0.204	1.18	1.00	11/13/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	11/13/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	11/13/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	1
4-Ethyltoluene	0.360	0.204	1.77	1.00	11/13/14	KCA	TO15	1
4-Isopropyltoluene	ND	0.182	ND	1.00	11/13/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	
Acetone	ND	0.421	ND	1.00	11/13/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	11/13/14	KCA	TO15	
Benzene	ND	0.313	ND	1.00	11/13/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	11/13/14	KCA	TO15	

Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	11/13/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	11/13/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	11/13/14	KCA	TO15
Carbon Disulfide	ND	0.321	ND	1.00	11/13/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	11/13/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	11/13/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	11/13/14	KCA	TO15
Chloroform	1.10	0.205	5.37	1.00	11/13/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	11/13/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	11/13/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	11/13/14	KCA	TO15
Dichlorodifluoromethane	0.350	0.202	1.73	1.00	11/13/14	KCA	TO15
Ethanol	2.26	0.531	4.26	1.00	11/13/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	11/13/14	KCA	TO15 1
Ethylbenzene	0.450	0.230	1.95	1.00	11/13/14	KCA	TO15
Heptane	1.68	0.244	6.88	1.00	11/13/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	11/13/14	KCA	TO15
Hexane	0.660	0.284	2.32	1.00	11/13/14	KCA	TO15
Isopropylalcohol	0.560	0.407	1.38	1.00	11/13/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15
m,p-Xylene	2.31	0.230	10.0	1.00	11/13/14	KCA	TO15
Methyl Ethyl Ketone	0.490	0.339	1.44	1.00	11/13/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	11/13/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	11/13/14	KCA	TO15
n-Butylbenzene	0.210	0.182	1.15	1.00	11/13/14	KCA	TO15 1
o-Xylene	0.730	0.230	3.17	1.00	11/13/14	KCA	TO15
Propylene	ND	0.581	ND	1.00	11/13/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	11/13/14	KCA	TO15
Tetrachloroethene	1.50	0.037	10.2	0.25	11/13/14	KCA	TO15
Tetrahydrofuran	0.850	0.339	2.50	1.00	11/13/14	KCA	TO15 1
Toluene	2.22	0.266	8.36	1.00	11/13/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Trichloroethene	1.07	0.047	5.75	0.25	11/13/14	KCA	TO15
Trichlorofluoromethane	0.230	0.178	1.29	1.00	11/13/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	11/13/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	11/13/14	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	100	%	100	%	11/13/14	KCA	70 - 130 %

Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

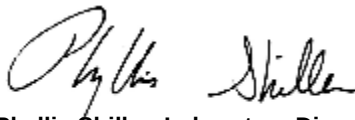
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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Phyllis Shiller, Laboratory Director

November 17, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



Analysis Report

November 17, 2014

FOR: Attn: Ms. Debbie Brown
G.C. Environmental, Inc.
22 Oak Street
Bayshore, NY 11706

Sample Information

Matrix: AIR
Location Code: GC-ENV
Rush Request: 24 Hour
P.O.#:

Custody Information

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

Date Time
11/11/14 2:30
11/13/14 15:24

Laboratory Data

SDG ID: GBH40948
Phoenix ID: BH40951

Project ID: ALMA REALTY PHASE II
Client ID: SV-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	11/13/14	KCA	TO15	1
1,1,1-Trichloroethane	90.9	0.183	496	1.00	11/13/14	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	11/13/14	KCA	TO15	
1,1,2-Trichloroethane	ND	0.183	ND	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethane	ND	0.247	ND	1.00	11/13/14	KCA	TO15	
1,1-Dichloroethene	0.450	0.252	1.78	1.00	11/13/14	KCA	TO15	
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	11/13/14	KCA	TO15	
1,2,4-Trimethylbenzene	0.640	0.204	3.14	1.00	11/13/14	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichloroethane	ND	0.247	ND	1.00	11/13/14	KCA	TO15	
1,2-dichloropropane	ND	0.216	ND	1.00	11/13/14	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	11/13/14	KCA	TO15	
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15	
1,3-Butadiene	ND	0.452	ND	1.00	11/13/14	KCA	TO15	
1,3-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dichlorobenzene	ND	0.166	ND	1.00	11/13/14	KCA	TO15	
1,4-Dioxane	ND	0.278	ND	1.00	11/13/14	KCA	TO15	
2-Hexanone(MBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	1
4-Ethyltoluene	ND	0.204	ND	1.00	11/13/14	KCA	TO15	1
4-Isopropyltoluene	ND	0.182	ND	1.00	11/13/14	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	11/13/14	KCA	TO15	
Acetone	ND	0.421	ND	1.00	11/13/14	KCA	TO15	
Acrylonitrile	ND	0.461	ND	1.00	11/13/14	KCA	TO15	
Benzene	ND	0.313	ND	1.00	11/13/14	KCA	TO15	
Benzyl chloride	ND	0.193	ND	1.00	11/13/14	KCA	TO15	

Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromodichloromethane	ND	0.149	ND	1.00	11/13/14	KCA	TO15
Bromoform	ND	0.097	ND	1.00	11/13/14	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	11/13/14	KCA	TO15
Carbon Disulfide	1.10	0.321	3.42	1.00	11/13/14	KCA	TO15
Carbon Tetrachloride	ND	0.040	ND	0.25	11/13/14	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	11/13/14	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	11/13/14	KCA	TO15
Chloroform	0.600	0.205	2.93	1.00	11/13/14	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	11/13/14	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Cyclohexane	ND	0.291	ND	1.00	11/13/14	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	11/13/14	KCA	TO15
Dichlorodifluoromethane	0.450	0.202	2.22	1.00	11/13/14	KCA	TO15
Ethanol	1.67	0.531	3.14	1.00	11/13/14	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	11/13/14	KCA	TO15 1
Ethylbenzene	ND	0.230	ND	1.00	11/13/14	KCA	TO15
Heptane	1.45	0.244	5.94	1.00	11/13/14	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	11/13/14	KCA	TO15
Hexane	0.340	0.284	1.20	1.00	11/13/14	KCA	TO15
Isopropylalcohol	1.47	0.407	3.61	1.00	11/13/14	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	11/13/14	KCA	TO15
m,p-Xylene	0.770	0.230	3.34	1.00	11/13/14	KCA	TO15
Methyl Ethyl Ketone	0.410	0.339	1.21	1.00	11/13/14	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	11/13/14	KCA	TO15
Methylene Chloride	ND	0.288	ND	1.00	11/13/14	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
o-Xylene	ND	0.230	ND	1.00	11/13/14	KCA	TO15
Propylene	ND	0.581	ND	1.00	11/13/14	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	11/13/14	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	11/13/14	KCA	TO15
Tetrachloroethene	1.70	0.037	11.5	0.25	11/13/14	KCA	TO15
Tetrahydrofuran	0.830	0.339	2.45	1.00	11/13/14	KCA	TO15 1
Toluene	0.850	0.266	3.20	1.00	11/13/14	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	11/13/14	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	11/13/14	KCA	TO15
Trichloroethene	0.660	0.047	3.54	0.25	11/13/14	KCA	TO15
Trichlorofluoromethane	0.270	0.178	1.52	1.00	11/13/14	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	11/13/14	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	11/13/14	KCA	TO15
<u>QA/OC Surrogates</u>							
% Bromofluorobenzene	99	%	99	%	11/13/14	KCA	70 - 130 %

Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

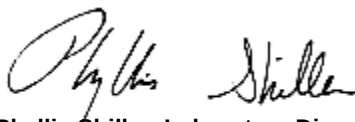
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

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

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Phyllis Shiller, Laboratory Director

November 17, 2014

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



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



QA/QC Report

November 17, 2014

QA/QC Data

SDG I.D.: GBH40948

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 292307, QC Sample No: BH40949 (BH40948, BH40949, BH40950, BH40951)										
Volatiles										
1,1,1,2-Tetrachloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	96	1750	1720	321	315	1.9	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	111	7.25	7.25	1.33	1.33	0.0	70 - 130	20
1,1-Dichloroethane	ND	ND	98	11.8	12.4	2.93	3.06	4.3	70 - 130	20
1,1-Dichloroethene	ND	ND	97	42.8	42.4	10.8	10.7	0.9	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	124	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	104	13.3	13.4	2.70	2.73	1.1	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	113	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	99	3.19	3.24	0.650	0.660	1.5	70 - 130	20
1,3-Butadiene	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	98	3.14	3.10	0.640	0.630	1.6	70 - 130	20
4-Isopropyltoluene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Acrylonitrile	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	97	1.12	1.12	0.350	0.350	0.0	70 - 130	20
Benzyl chloride	ND	ND	95	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	95	2.40	2.33	0.770	0.750	2.6	70 - 130	20
Carbon Tetrachloride	ND	ND	92	0.314	0.314	0.050	0.050	0.0	70 - 130	20
Chlorobenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	100	19.7	19.6	4.03	4.01	0.5	70 - 130	20
Chloromethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	114	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	112	1.88	1.73	0.380	0.350	8.2	70 - 130	20
Ethanol	ND	ND	85	4.24	4.50	2.25	2.39	6.0	70 - 130	20

QA/QC Data

SDG I.D.: GBH40948

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	116	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	101	3.21	3.21	0.740	0.740	0.0	70 - 130	20
Heptane	ND	ND	106	4.87	4.87	1.19	1.19	0.0	70 - 130	20
Hexachlorobutadiene	ND	ND	81	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	98	2.22	2.11	0.630	0.600	4.9	70 - 130	20
Isopropylalcohol	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Isopropylbenzene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	104	14.4	14.3	3.32	3.30	0.6	70 - 130	20
Methyl Ethyl Ketone	ND	ND	105	1.44	1.41	0.490	0.480	2.1	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
n-Butylbenzene	ND	ND	113	2.69	2.63	0.490	0.480	2.1	70 - 130	20
o-Xylene	ND	ND	100	4.86	4.95	1.12	1.14	1.8	70 - 130	20
Propylene	ND	ND	112	1.65	1.63	0.960	0.950	1.0	70 - 130	20
sec-Butylbenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	99	1.83	1.83	0.430	0.430	0.0	70 - 130	20
Tetrachloroethene	ND	ND	106	32.4	31.5	4.78	4.65	2.8	70 - 130	20
Tetrahydrofuran	ND	ND	116	2.98	2.95	1.01	1.00	1.0	70 - 130	20
Toluene	ND	ND	104	10.6	10.4	2.81	2.77	1.4	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	100	62.3	61.2	11.6	11.4	1.7	70 - 130	20
Trichlorofluoromethane	ND	ND	103	1.35	1.29	0.240	0.230	4.3	70 - 130	20
Trichlorotrifluoroethane	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	110	110	101	99	99	99	99	0.0	70 - 130	20

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

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
November 17, 2014

Sample Criteria Exceedences Report

Criteria: None

State: NY

GBH40948 - GC-ENV

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

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

APPENDIX D

LIMITATIONS AND SERVICES CONSTRAINTS

Limitations

The findings set forth in the attached environmental site assessment report are strictly limited in time and scope to the date of the evaluation(s). The conclusions presented in the report are based on the services described in the report, and not on scientific tasks or procedures beyond the scope of work agreed in the purchase order/work order prior to the initialization of this assessment or the time and budgeting restraints imposed by the client.

This report may contain recommendations which are partially based on the analysis of data accumulated at the time and locations set forth in the report through the subsurface investigation. However, environmental, geological, and geotechnical conditions can vary from those encountered during this investigation, and that the limitation on available data results in some level of uncertainty with respect to the interpretation of these conditions, despite the use of standard professional care and skill. Therefore, further investigations may reveal additional data or variations of the current data which may require the enclosed recommendations to be reevaluated.

Chemical analyses may have been performed for specific parameters during the course of this assessment, as described in the text. However, it should be noted that additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the subject site.

Partial findings of this assessment are based on data provided by others. No warranty is expressed or implied with the usage of such data.

Because of these limitations, full and complete determination as to whether a certain piece of land is or is not free from environmental contamination cannot be made. The extent of testing and statistical confidence associated with an environmental site assessment is balanced against a reasonable project budget; therefore, 100 percent confidence in environmental site assessment conclusions can never be reached. Therefore, G. C. Environmental, Inc. does not provide guarantees, certifications, or warranties that a property is free from environmental contamination.

Services Constraints

Much of the information provided in this report is based upon personal interviews and research of all practically reviewable documents, records, and maps held by appropriate government and private agencies. This is subject to limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollection of those persons contacted. The initial site-investigation took into account the natural and man-made features of the subject site, including any unusual or suspect phenomenon. These factors, combined with the subject site's geology, hydrology, topography, and past and present land uses served as a basis for choosing a methodology and location for subsurface investigation as well as soil and/or groundwater sampling, if conducted. The analytical results of the subsurface investigation, if provided, are meant as a representative overview of the subject site's conditions.

The locations and type of analyses of soil and /or groundwater samples, if provided, were chosen based on the same considerations listed in the paragraphs above. If samples were analyzed, they were analyzed for those parameters unique to the subject site as determined during the preceding site evaluation.

The presence of radioactive materials or wastes, biological hazards, asbestos or lead-based paint was not investigated unless specifically noted otherwise.

This report was prepared for the exclusive use of the client and/or the parties listed on the cover of the report, and is intended for the use listed in a proposal/work order or a Consulting Services Agreement signed prior to initiation of the assessment. The use of this report by any other parties or in any other manner than that listed in a proposal/work order or a Consulting Services Agreement signed prior to initiation of the assessment requires the written consent of G. C. Environmental, Inc. This report must be presented in its entirety.