231-239 HUDSON STREET
501-503 CANAL STREET
MANHATTAN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP022M and 12CBCP023M
E-116 OER E Number 10EH-N290M

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LIST OF ACRONYMS

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

CERTIFICATION

I, Mark E. Robbins, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 231-239 Hudson Street and 501-503 Canal Street Site, (NYC BCP Site No. 12CBCP022M and 12CBCP023M). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for the establishment of remedial action objectives, the evaluation of remedial action alternatives and the selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance. The RI summarizes the data collected during previous investigations; April 2008 Groundwater Investigation, March 2010 Subsurface Investigation, January 2010 Supplemental Off-Site Investigation and July 2011 Remedial Investigation. The investigations were performed in accordance with NYSDEC and NYCOER requirements. Appendix-A provides April 2008 Groundwater Investigation Report. Appendix-B provides March 2010 Subsurface Investigation Report, Appendix-C provides January 2010 Supplemental Off-Site Investigation Report.

The Remedial Investigation was performed in accordance with the OER approved July 2011 Investigation Work Plan. Appendix-D provides the July 2011 Investigation Work Plan.

Site Location and Current Usage

The Site is located at 231-239 Hudson Street and 501-503 Canal Street in the Soho section in Manhattan, New York and is identified as Block 594 and Lots 99, 114 and 115 on the New York City Tax Map. Figure 1 shows the site location. The Site is 12,937-square feet and is bounded by an 11-story building to the north, three multi-story buildings and Canal Street to the south, Hudson Street to the east, and Renwick Street to the west. A map of the site boundary is shown in Figure 2.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of two new buildings. The Site will be constructed with two 9-story hotel buildings identified as 231 Hudson Street and 501 Canal Street which will be separated into two BCP projects for administrative purposes, and will be identified as Hudson Street Hotel and Canal Street Hotel, respectively. The two buildings will have no basements and will be developed with slabs on grade. Hudson Street Hotel and Canal Street Hotel are given NYC BCP Number 12CBCP022M and Number 12CBCP023M, respectively.

The building at 231 Hudson Street (Hudson Street Hotel) will be developed in the eastern portion of the property along Hudson Street over an area approximately 3,947 square feet. The building at 501 Canal Street (Canal Street Hotel) will be developed in the western-southwestern portions of the property along Renwick Street and Canal Street over an area approximately 5,608 square feet Street.

The central portion of the Site will consist of an open undeveloped court yard, approximately 3,382 square feet in area, which will be included in the Hudson Street Hotel project. The courtyard will be covered with a concrete layer and paving stones.

The slabs on grade in the two buildings will be 8 inches in thickness. At localized locations elevator pits will be installed to approximately 5 feet below slab elevation.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is C6-2A. The proposed use is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from a Phase I Environmental Site Assessment (ESA) Report prepared by Hydro Tech Environmental, Corp. in February 2008, a Site history was established. The Site was historically developed as a mixture of two to five- story residential buildings in 1894. Express Depot occupied Lot 99 of the Site from 1950 to 1996 and a gasoline UST was present in the western portion of the Lot. During the same years Lot 114 was developed with a 5-story residential building and Lot 115 was developed with a 1-story auto repair shop. Appendix-E provides the February 2008 Phase I ESA Report.

Areas of concerns (AOCs) are listed below:

1. The presence of VOCs in saturated soil and groundwater in the eastern portion at concentrations exceeding regulatory standards. These VOCs are associated with Open NYSDEC Spill **Number 08-01296**.
2. Presence of historic fill material beneath the Site

Summary of the Work Performed

The Scope of Work for investigation conducted to date at the site included the following. This work was conducted by Hydro Tech Environmental Corp.

1. The performance of a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performance of a Ground Penetrating Radar (GPR) survey over approximately 90 percent of the Site;
3. Installation of twenty nine (29) soil borings, and collection of fifty two (52) soil samples for chemical analysis from the soil borings to evaluate soil quality; These included sixteen (16) shallow soil samples from zero to 2 feet below grade (bgs), two (2) shallow sample from 2 to 4 feet below grade, ten (10) deep dry samples from 4 to 6 feet bgs, eight (8) deep dry samples from 6 to 8 feet bgs and sixteen (16) deep saturated soil samples ranging from 8 to 28 feet below grade. Soil boring locations are provided in Figure-4;
4. Installation of nine (9) on-site and three (3) off-site groundwater monitoring wells to establish groundwater flow and collection of groundwater samples from these installed wells and one (1) existing well for chemical analysis to evaluate groundwater quality. Groundwater monitoring well locations are provided in Figure-5;
5. Installation and sampling of two (2) off-site groundwater probes; and collected two (2) groundwater samples for chemical analysis to evaluate groundwater quality. Previous Figure-5 provides groundwater probe locations;
6. Installation of six (6) soil vapor probes around the Site perimeter and collection of five (5) samples for chemical analysis. Soil vapor sampling locations are provided in Figure-6;
7. Preparation of RIR based upon all investigation results.

Summary of Environmental Findings

1. USTs anomalies are absent at the Site.
2. Elevation of the property ranges from 11 to 13 feet.
3. Depth to groundwater ranges from 6.47 feet to 8.28 feet below grade at the Site.
4. Groundwater flow is generally from northeast to southwest.
5. Depth to bedrock is approximately 120 feet at the Site.

6. The stratigraphy of the site, from the surface down, consists of historic fill ranging in thickness from zero to 13.5 feet (coarse to fine sand with traces of medium to fine gravel, silt, brick fragments and gray sandy gravel with traces of brick and concrete.) The fill layer is underlain by peat in some borings to variable depths ranging from 8.5 to 13 feet (black, fiberous peat). The fill layer is also underlain by sand in some borings to variable depths ranging from 8.5 to 124 feet (coarse to fine reddish brown sand with traces of silt and medium to fine gravel). Rock is located immediately beneath the sand and down to variable depths from 115 to 129 feet (fresh, slightly fractured Manhattan schist). Silt is observed in one of the borings to variable depth ranging from 16 to 17 feet (grey silt).
7. Soil samples collected during the remedial investigation showed no pesticides or PCBs. VOCs in soil samples did not include PCE or TCE. VOC constituents did include a wide variety of BTEX and associated petroleum compounds at low concentrations in shallow samples and moderate and high concentrations in deep samples. Track 1 Unrestricted Soil Cleanup Objectives (SCOs) are not exceeded for VOCs in shallow soils. VOCs in the shallow samples range from 7.65 µg/kg to a maximum of 205 µg/kg. However, eight petroleum derived VOCs exceed Track 1 SCOs in deep soils samples including one VOC that also exceed Track 2 Restricted Commercial SCOs. Highest VOC concentrations are observed in deep soil samples in the vicinity of SP-7, SP-11 and SP-5 (maximum VOC concentrations range as high as several hundred mg/kg to 1758 mg/kg in the most concentrated soil samples at depth). A wide variety of SVOC compounds are also found at high concentration and in excess of Track 1 and Track 2 Restricted Commercial SCOs. The total SVOCs in the shallow samples range from 430 µg/kg to a maximum of 1,606,600 µg/kg. The total SVOCs in the deeper samples range from 811 µg/kg to a maximum of 268,490 µg/kg. These SVOCs are principally PAH compounds. These VOC and SVOC findings are attributed to a petroleum spill on the property. This spill (Spill Number 08-01296) is being actively managed by NYS DEC under an approved Remedial Action Plan (RAP). Metals concentrations in deep soil samples are generally low to moderate in concentration. Four metals exceed Track 1 SCOs (mercury, lead, copper and zinc). None of these metals exceeds Track 2 Restricted Commercial SCOs.

Five metals exceed Track 1 SCOs in shallow samples (0-2 foot depths) including barium, copper, lead, mercury and zinc. Of 15 shallow soil samples collected, barium (2 samples), lead (5 samples) and mercury (5 samples) also exceeded Track 2 Restricted Commercial SCOs.

8. Groundwater data from wells sampled on this property show no metals in dissolved groundwater samples in excess of 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Pesticides and PCB were not detected in groundwater samples. A variety of petroleum derived VOCs and SVOCs were detected in groundwater samples on the property. These include BTEX and several benzene derivative compounds, MTBE, and several low molecular weight PAH compounds. Concentrations for petroleum based organic compounds commonly exceed GQS and range as high as 510 μg/l (m, p-xylenes). Observations of petroleum based compounds are consistent with onsite findings for petroleum based compounds in soil vapor, suggesting that the latter are derived from the onsite petroleum spill.
9. Soil vapor samples collected during the RI show a wide variety of VOCs including both BTEX and associated petroleum compounds and chlorinated hydrocarbons. Occurrences of VOCs are widespread and occur in all samples. Concentrations of petroleum derived compounds are low (generally below 25 μg/m3). Concentrations of 2-butanone and acetone, the most abundant compounds observed in soil vapor, range as high as 770 and 260 μg/m3, respectively. PCE and TCE range as high as 16 and 28 μg/m3, respectively. Petroleum derived compounds are attributed to the onsite petroleum spill. Chlorinated hydrocarbons are generally not detected in soil samples and no source area was observed (PCE and TCE were not detected in soil or ground water) and it is unclear whether the observed concentrations are due to onsite or offsite sources.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

CBCS Hudson Equities has applied to enroll in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.3-acre site located at 231-239 Hudson Street and 501-503 Canal Street in Soho section of Manhattan, New York. Commercial use is proposed for the property. The most recent RI work was performed in July 2011. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 231-239 Hudson Street and 501-503 Canal Street in the Soho section in Manhattan, New York and is identified as Block 594 and Lots 99, 114 and 115 on the New York City Tax Map. Figure 1 shows the site location. The Site is 12,937-square feet and is bounded by an 11-story building to the north, three multi-story buildings and Canal Street to the south, Hudson Street to the east, and Renwick Street to the west. A map of the site boundary is shown in Figure 2.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of two new buildings. The Site will be constructed with two 9-story hotel buildings identified as 231 Hudson Street and 501 Canal Street which will be separated into two BCP projects for administrative purposes, and will be identified as Hudson Street Hotel and Canal Street Hotel, respectively. The two buildings will have no basements and will be developed with slabs on grade. –Hudson Street Hotel and Canal Street Hotel are given NYC BCP Number 12CBCP022M and Number 12CBCP023M, respectively. The building at 231 Hudson Street (Hudson Street Hotel) will be developed in the eastern portion of the property along Hudson Street over an area approximately 3,947 square feet.

The building at 501 Canal Street (Canal Street Hotel) will be developed in the western-southwestern portions of the property along Renwick Street and Canal Street over an area approximately 5,608 square feet Street.

The central portion of the Site will consist of an open undeveloped court yard that will be included in Hudson Street Hotel. The courtyard, approximately 3,382 square feet in area, will be covered with a concrete layer and paving stones.

The slabs on grade in the two buildings will be 8 inches in thickness. At localized locations elevator pits will be installed to approximately 5 feet below slab elevation.

Layout of the proposed site development is presented in Figure 3. The current zoning designation is C6-2A. The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is located in a commercial and residential neighborhood. There are no surface bodies or regulated wetlands on or adjacent to the Site. Renwick Street is located to the west of the Site. 11- Story building is located to the north of the Site. Hudson Street is located to the east of the Site and three multi-story buildings are located to the south of the Site.

Within 500 feet radius of the Site, there is a variety of land uses including: commercial, residential (multi-story residential apartments) and mixed-residential/commercial use. Properties located within 1/4 mile radius of the Site are zoned S3 and S4 (multi-story residence district), C7 (walk-up apartment), R0 (condominiums) and O9 (office buildings).

Within 250 feet radius of the Site, no sensitive receptor is identified. The land uses include commercial and residential use.

Figure 2 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

Based upon the review of the Fire Insurance Maps and Regulatory Agency documents from the Phase I Environmental Site Assessment (ESA) Report prepared by Hydro Tech Environmental, Corp. in February 2008, a Site history was established. The Site was historically developed as a mixture of two- to five- story residential buildings in 1894. Express Depot occupied Lot 99 of the Site from 1950 to 1996 and a gasoline UST was present in the western portion of the Lot (Canal Street Hotel). During the same years Lot 114 (Canal Street Hotel) was developed with a 5-story residential building and Lot 115 (Canal Street Hotel) was developed with a 1-story auto repair shop. A New York State Department of Environmental Conversation (NYSDEC) Spill #08-01296 was issued to the Site on May 2008.

2.2 PREVIOUS INVESTIGATIONS

Previous investigations performed at the Site included the following:

- Phase-I Environmental Site Assessment (ESA), February 2008, Hydro Tech Environmental, Corp.
- Groundwater Investigation, April 2008, Hydro Tech Environmental, Corp.
- Subsurface Investigation, March 2010, Hydro Tech Environmental, Corp.
- Supplemental Off-Site Investigation, January 2011, Hydro Tech Environmental, Corp.
- Remedial Investigation, July 2011, Hydro Tech Environmental, Corp.

2.3 SITE INSPECTION

The Site inspection was performed under the direction of the Qualified Environmental Professional (QEP) certifying this report to evaluate areas of concern.

2.4 AREAS OF CONCERN

Based upon the results of the previous investigation the AOCs identified for this site include:

1. The presence of VOCs and SVOCs in soil associated with the open petroleum spill Number 08-01296.
2. Presence of historic fill material beneath the Site

Maps depicting the AOCs are presented in Figure 7 and Figure 8.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mark E. Robbins.

3.2 HEALTH AND SAFETY

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

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations. Hazardous waste, concentrated soil or semi-solid substances, soils with free product or NAPL and/or grossly contaminated media were not generated during the investigation.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The following is the scope of work that summarizes the investigatory efforts at the Site. The scope of work is implemented by Hydro Tech Environmental, Corp.

1. The performance of a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performance of a Ground Penetrating Radar (GPR) survey over approximately 90 percent of the Site;
3. Installation of twenty nine (29) soil borings, and collection of fifty two (52) soil samples for chemical analysis from the soil borings to evaluate soil quality; These included sixteen (16) shallow soil samples from zero to 2 feet below grade (bgs), two (2) shallow sample from 2 to 4 feet below grade, ten (10) deep dry samples from 4 to 6 feet bgs, eight (8) deep dry samples from 6 to 8 feet bgs and sixteen (16) deep saturated soil samples ranging from 8 to 28 feet below grade.
4. Installation of nine (9) on-site and three (3) off-site groundwater monitoring wells to establish groundwater flow and collection of groundwater samples from these installed wells and one (1) existing well for chemical analysis to evaluate groundwater quality;
5. Installation and sampling of two (2) off-site groundwater probes; and collected 2 groundwater samples for chemical analysis from the to evaluate groundwater quality;
6. Installation of six (6) soil vapor probes around the Site perimeter and collection of five (5) samples for chemical analysis;
7. Preparation of RIR based upon all investigation results.

Fieldwork was photo documented. Appendix-F provides investigation photographs.

4.1 GEOPHYSICAL INVESTIGATION

A geophysical survey consisting of GPR survey was performed at the Site during the March 2008 Site Investigation. The purpose of the GPR survey was to determine if any anomalies including USTs and 55-gallon drums were present at the Site and to clear all sampling locations of any potential subsurface obstructions.

The survey was performed in all accessible portions of the Site over a grid pattern that was determined immediately prior to the survey. The GPR operator wheeled the antenna over the predetermined grid. The GPR takes one "scan" per set unit. The number of scans per unit is based upon the estimated size of targets. As each scan is performed, the antenna emits specific radar amplitude into the subsurface. The amplitude of the radar reflected back to the antenna is based upon the differences in the dielectric constants of the subsurface materials. The differences in amplitude obtained during each scan are graphically displayed on the Control Unit, which are then interpreted by the GPR operator. Additional interpretations are then conducted in the office using computer software.

The GPR survey in Lot 99 could not be performed in the vicinity of the hydraulic lifts located in the southern portion of the Site due to protruding mechanical structures. The survey was performed over the remaining portions of the Lot. The results of the GPR survey identified two (2) parabola shaped anomalies. The GPR survey could not be performed within Lot 114 due to limited physical access in the shallow basement. All portion of Lot 115 were surveyed. No anomalies indicative of USTs or 55-gallon drums were identified in Lot 115.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

A total of twenty nine (29) on-Site and off-Site soil borings were installed to various depths throughout all investigations. The soil borings were installed utilizing Hydro Tech's track-mounted Geoprobe® 6620DT. This unit installs soil probes utilizing direct-push technology.

A map showing the location of soil borings is shown in Figure 4.

Soil samples were collected in all borings at 2-foot intervals utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. The Macro sampler allows for the collection of both continuous and discrete soil samples. Each sampler was installed with 1½-inch diameter drill rods. Groundwater was not encountered during the installation of the soil borings.

The sample collection initially involved the installation of a Macro Core sampler to the desired sampling depth. A piston stop-pin was then removed from the top of the Macro Core sampler and then installed the length of the sampling interval. The sampler was then removed from the ground with the sample intact in the acetate liner. Continuous soil samples were collected during soil probe installation. A total of fifty two (52) soil samples were collected for laboratory analysis. A total of sixteen (16) shallow samples from zero to 2 feet below grade (bgs), two (2) shallow samples from 2 to 4 feet bgs, ten (10) deep dry samples from 4 to 8 feet bgs, eight (8) deep dry samples from 6 to 8 feet bgs and sixteen (16) deep saturated soil samples ranging from 8 to 28 feet below grade were collected.

Separate aliquots of each soil sample were placed into airtight zip-loc bags. The Hydro Tech geologist then characterized each soil sample in the field. The soil characterization consisted of determining the soil classification utilizing the Unified Soil Classification System and screening each sample for organic vapors utilizing a Photoionization Detector (PID).

A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to the compound isobutylene, as published by the manufacturer. The PID has a minimum detection limit of 0.1 parts per million (ppm). This meter measures the hydrocarbon concentrations in isolated portions of the secured samples.

Headspace analyses were conducted on each soil sample by partially filling a zip-loc bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. The probe of the PID was placed within the headspace to measure the organic vapors present.

Soil boring logs were prepared by a Qualified Geologist for all soil samples to document subsurface conditions including, without limitation: soil types and description of non-soil materials; characterization of soils from field instrument measurements (i.e. PID, presence of odor, soil discoloration, and free and/or residual product. Boring logs with the after mentioned information are attached as Appendix G.

Groundwater Monitoring Well Construction

Groundwater monitoring wells were installed in each affected aquifer or water bearing zone to determine the groundwater flow direction.

A total of twelve (12) on-site and off-site monitoring wells designated MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11 and MW-12 were installed, surveyed, monitored and sampled. Monitor well locations are shown in Figure 5.

The monitoring wells were installed utilizing similar technology as the soil probes. All monitoring wells were constructed of 2-inch diameter PVC. The screened interval of the wells consists of 0.020-inch slots.

Soil Vapor Boring Construction

Six (6) soil vapor probes designated SV-1, SV-2, SV-3, SV-4, SV-5 and SV-6 were installed during this RI. The soil probes were installed at a depth of 6 feet below grade. A map showing the locations of soil vapor borings is shown in Figure 6. The probes were constructed with inert tubing. Vapor implants were sealed to the surface with non-VOC containing product. After installation of the probes, one to three volumes were purged prior to collecting the samples. One of the vapor probes (SV-3) was non functional during sampling; five (5) soil vapor samples were collected for chemical analysis during this RI.

The soil vapor probes were installed utilizing similar technology as the soil probes in accordance with the NYSDOH Guidance of Evaluating Soil Vapor Intrusion, dated October 2006. Each soil vapor sampling point consisted of a stainless steel screen, or implant, fitted with dedicated polyethylene tubing. Each of the implants is of 1½-inch diameter. The soil vapor implant was installed in the subsurface soil. Glass beads were poured into the hole to fully encompass the screen implant and the hole was sealed with bentonite and quick dry-lock non VOC quick set cement.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

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

Soil Sampling

Twenty nine (29) soil borings were installed and fifty two (52) soil samples were collected for chemical analysis during the investigations. One (1) shallow and one (1) deeper soil samples from each soil probe were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners.

The soil was screened and characterized at two foot intervals. Two soil samples from probes were containerized and analyzed at a New York State Department of Health ELAP-certified laboratory. All soil samples were analyzed for volatile organic compounds (VOCs) via EPA Method 8260 and semi-volatile compounds (SVOCs) via EPA Method 8270BN.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Table 1, 2, 3, 4A and 4B. Figure 4 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Each piece of sampling or other down hole equipment was decontaminated prior to each use in order to ensure that cross-contamination between sampling locations did not occur. The following procedure was utilized in the decontamination process:

- Wipe clean and wash with Alconox®
- Potable water rinse
- Methanol rinse

- Deionized water rinse
- Air dry

All decontamination procedures were performed in an area segregated from any sampling areas. Any rinsate from the decontamination area was contained and removed from the site. Fluids generated during on-site sampling equipment decontamination were contained in 55-gallons drums. Waste manifests for the drums will be provided once received.

All samples were properly handled and placed into the appropriately labeled containers. The samples were placed in a cooler filled with ice and maintained at a maximum 4 degrees Celsius. All samples were transmitted under proper chain of custody procedures to a State-certified (ELAP) laboratory for confirmatory laboratory analyses. All holding times were met. The laboratory did not report any irregularities with respect to their internal Quality Assurance/Quality Control.

Groundwater Sampling

Twelve (12) groundwater monitoring wells and two (2) groundwater probes were installed and fifteen (15) groundwater samples were collected for chemical analysis during the investigations. Groundwater monitoring well sampling locations are shown in Figure-5.

Initially, each monitoring well was purged 3 to 5 well volumes. The sampling of the wells was performed after the water was allowed to recharge to the original monitoring level. Groundwater samples were placed into 2 pre-cleaned 40 milliliter (mL) vials, 2 pre-cleaned 500 mL plastic containers and 3 pre-cleaned 1,000 mL jars and appropriately labeled. All groundwater samples from monitoring wells were analyzed for volatile organic compounds (VOCs) via EPA Method 8260 and semi-volatile organic compounds (SVOCs) via EPA Method 8270BN. The analytical results identified VOCs and SVOCs are present in the groundwater samples. Laboratories and analytical methods are shown below.

Groundwater sample collection data is reported in Table 5.

Soil Vapor Sampling

Six (6) soil vapor probes were installed and five (5) soil vapor samples were collected for chemical analysis during this RI. Soil vapor probe SV-3 was unable to be sampled as it was found to be non-functional. Soil vapor sampling locations are shown in Figure 6.

Soil vapor sample collection data is reported in Table 6. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

A soil vapor sample from each soil vapor probe was collected utilizing 6 liter pre-cleaned, passivated, evacuated whole air Summa® Canister. A 12-inch by 12-inch piece of plastic sheeting was sealed with beeswax around the edges over the sampling probe in order to keep the tracer gas in contact with the probe and the ambient air from entering the probe during testing. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling. Prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

The Summa Canisters were calibrated for 4 hours and the soil vapor sampling was run on each canister for a time period of 4 hours. The initial vacuum (inches of mercury) and start time was recorded immediately after opening each Summa Canister. After the sampling was complete, the final vacuum and top time was recorded.

After the soil vapor sampling, each Summa was labeled and sent to a laboratory certified to perform air analysis in New York State and analyzed for Helium and VOCs via EPA TO-15.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Mr. Mark E. Robbins.

Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was York Analytical Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil is summarized in Tables 1, 2, 3, 4A and 4B. Laboratory data for groundwater is summarized in Table 5 and laboratory data for soil vapor is summarized in Table 6. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix H, I and J.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

According to the surficial geologic map of New York, lower Hudson sheet (Caldwell, 1989), this area of New York is underlain by Pleistocene-glacial till, dominantly consisting of fine to coarse grain sand with interstitial lenses of gravel and silt, which are remnants of glacial deposition. According to the United States Department of Agriculture soil survey classification and nomenclature system, this soil would likely be referred to as *urban land*, because the original composition and structure of the soil has been significantly altered by urbanization and development activities. Based on surrounding topography and previous site investigations, regional ground water flows in a westerly/southwesterly direction.

Stratigraphy

Geotechnical investigations by others were conducted at the Site during June 2008. Ten (10) soil borings and one (1) boring with observation well were installed. Boring and geotechnical logs describing surface conditions are presented in Appendix-K. Four geological units consisting of (1) fill and sand, (2) peat, (3) rock and (4) silt were identified. A description of each layer is given below.

Stratum F-Fill (NYC Class 11-65). The uppermost soil encountered in each boring is a layer of fill ranging in thickness from zero to 13.5 feet. The fill consists of coarse to fine reddish brown sand with traces of medium to fine gravel, silt, brick fragment and gray sandy gravel with traces of brick and concrete.

Stratum S-Sand (NYC Class 7-65). In all borings, reddish brown fine sand with silt is observed at variable depths ranging from 8.5 to 124 feet. This stratum consists of coarse to fine reddish brown sand with traces of silt and medium to fine gravel.

Stratum-PT-Peat (NYC Class 11-65). In some borings, the fill stratum is underlain by black peat to variable depths ranging from 8.5 to 13 feet. In some borings, peat is observed underlain sand to variable depths ranging from 11 to 18 feet. This stratum consists of black, fiberous peat.

Stratum R-Rock (NYC Class 2-65). In some boring locations refusal associated with this rock stratum was encountered immediately beneath the sand and extended to variable depths ranging from 115 to 129 feet. Some borings were terminated at depths of 13 to 62 feet without penetrating this rock stratum. This stratum consisted of fresh, slightly fractured Manhattan schist.

Stratum MH-Silt (NYC Class 10-65). In one of the borings, silt is identified at 16 to 17 feet depth. The stratum consisted of grey silt.

Hydrogeology

The range in groundwater depth is 6.47 to 8.28. Groundwater flow is from northeast to southwest.

5.2 SOIL CHEMISTRY

Soil samples collected during the remedial investigation showed no pesticides or PCBs. VOCs in soil samples did not include PCE or TCE. VOC did include a wide variety of BTEX and associated petroleum compounds at low concentration in shallow samples and moderate and high concentration in deep samples. Track 1 Unrestricted Soil Cleanup Objectives (SCOs) are not exceeded for VOCs in shallow soils. VOCs in the shallow samples range from 7.65 µg/kg to a maximum of 205 µg/kg. However, eight petroleum derived VOCs exceed Track 1 SCOs in deep soils samples including one VOC that also exceed Track 2 Restricted Commercial SCOs. Highest VOC concentrations are observed in deep soil samples in the vicinity of SP-7, SP-11 and SP-5 (maximum VOC concentrations range as high as several hundred mg/kg to 1758 mg/kg in the most concentrated soil samples at depth). A wide variety of SVOC compounds are also found at high concentration and in excess of Track 1 and Track 2 Restricted Commercial SCOs. The total SVOCs in the shallow samples range from 430 µg/kg to a maximum of 1,606,600 µg/kg. The total SVOCs in the deeper samples range from 811 µg/kg to a maximum of 268,490 µg/kg. These SVOCs are principally PAH compounds. These VOC and SVOC findings are attributed to a petroleum spill on the property. This spill (Spill Number 08-01296) is being actively managed by NYS DEC under an approved Remedial Action Plan (RAP). Metals concentrations in deep soil samples are generally low to moderate in concentration. Four metals exceed Track 1 SCOs (mercury, lead, copper and zinc).

None of these metals exceeds Track 2 Restricted Commercial SCOs. Five metals exceed Track 1 SCOs in shallow samples (0-2 foot depths) including barium, copper, lead, mercury and zinc. Of 15 shallow soil samples collected, barium (2 samples), lead (5 samples) and mercury (5 samples) also exceeded Track 2 Restricted Commercial SCOs.

Soil/fill samples collected during the RI indicated that metals in several shallow soil samples (0-2 feet depths) exceeded Track 1 Unrestricted SCOs for barium, copper, lead, mercury and zinc. Several shallow soil samples (0-2 feet) also exceeded Track 2 Restricted Residential SCOs for barium, mercury and lead.

Data collected during the RI, when combined with the findings from prior investigations, is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 7. Figure 9 provides map of soil chemistry results.

5.3 GROUNDWATER CHEMISTRY

Groundwater data from wells sampled on this property show no metals in dissolved groundwater samples in excess of 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Pesticides and PCB were not detected in groundwater samples. A variety of petroleum derived VOCs and SVOCs were detected in groundwater samples on the property. These include BTEX and several benzene derivative compounds, MTBE, and several low molecular weight PAH compounds. Concentrations for petroleum based organic compounds commonly exceed GQS and range as high as 510 µg/l (m, p-xylenes). Observations of petroleum based compounds are consistent with onsite findings for petroleum based compounds in soil vapor, suggesting that the later are derived from the onsite petroleum spill.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Table 7. Exceedences of applicable groundwater standards are shown. Figure 8 provides map of groundwater chemistry results.

5.4 SOIL VAPOR CHEMISTRY

Eight (8) VOCs were identified at concentrations exceeding their respective NYSDOH Background Standards.

Soil vapor samples collected during the RI show a wide variety of VOCs including both BTEX and associated petroleum compounds and chlorinated hydrocarbons. Occurrences of VOCs are widespread and occur in all samples. Concentrations of petroleum derived compounds are low (generally below 25 µg/m3). Concentrations of 2-butanone and acetone, the most abundant compounds observed in soil vapor, range as high as 770 and 260 µg/m3, respectively. PCE and TCE range as high as 16 and 28 µg/m3, respectively. Petroleum derived compounds are attributed to the onsite petroleum spill. Chlorinated hydrocarbons are generally not detected in soil samples (PCE and TCE were not detected in soil).

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 7.

Figure 10 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

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

5.6 IMPEDIMENTS TO REMEDIAL ACTION

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

FIGURES

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080048/110150

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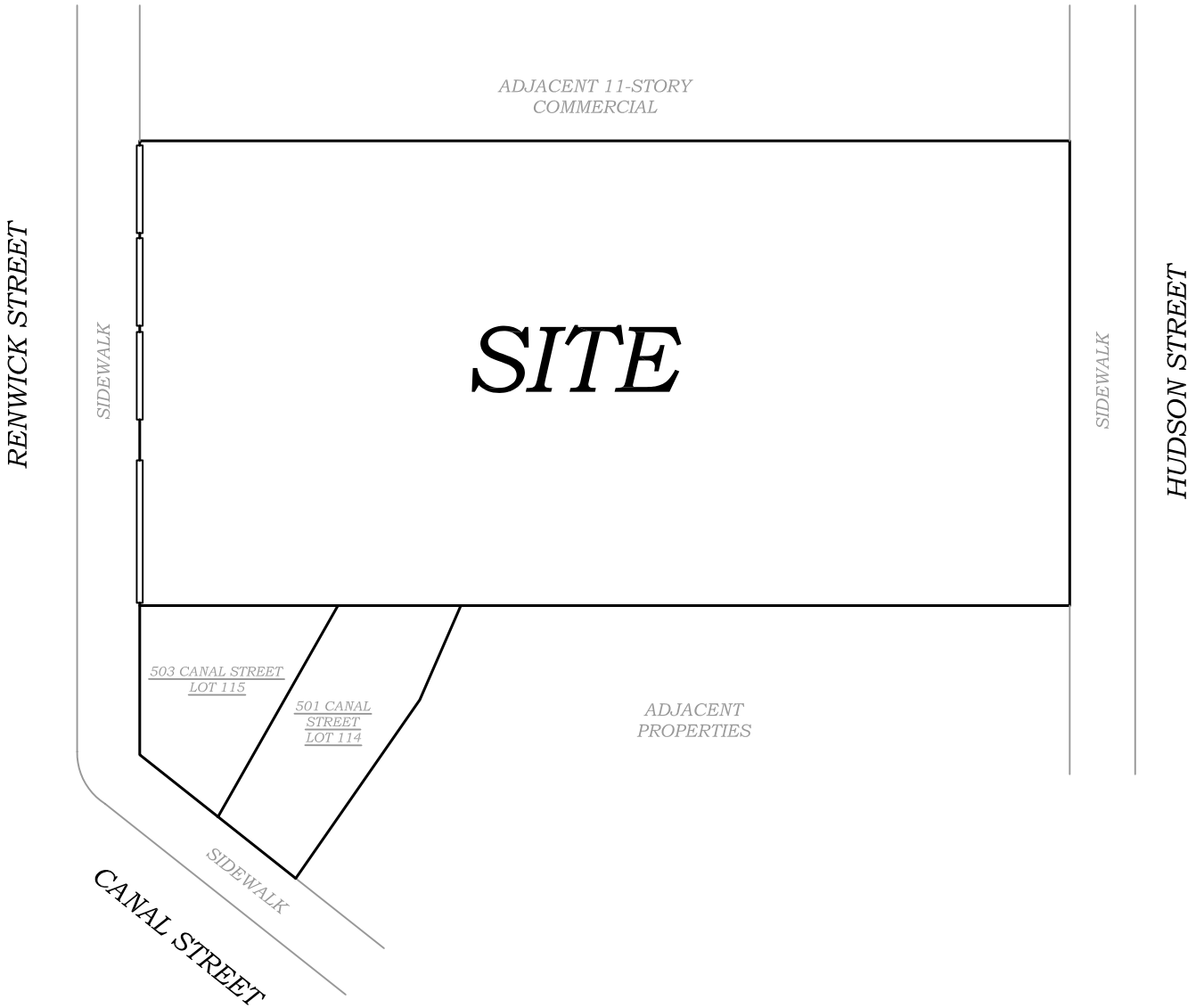
Reviewed By:	M.R
Approved By:	M.S
Date:	09/20/11
Scale:	AS NOTED

TITLE:

FIGURE 1: TOPOGRAPHIC MAP



0' 20' 40'

SCALE IN FEET (FT.)

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FIGURE 2: SITE BOUNDARY MAP

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FIGURE 3: PROPOSED DEVELOPMENT PLAN

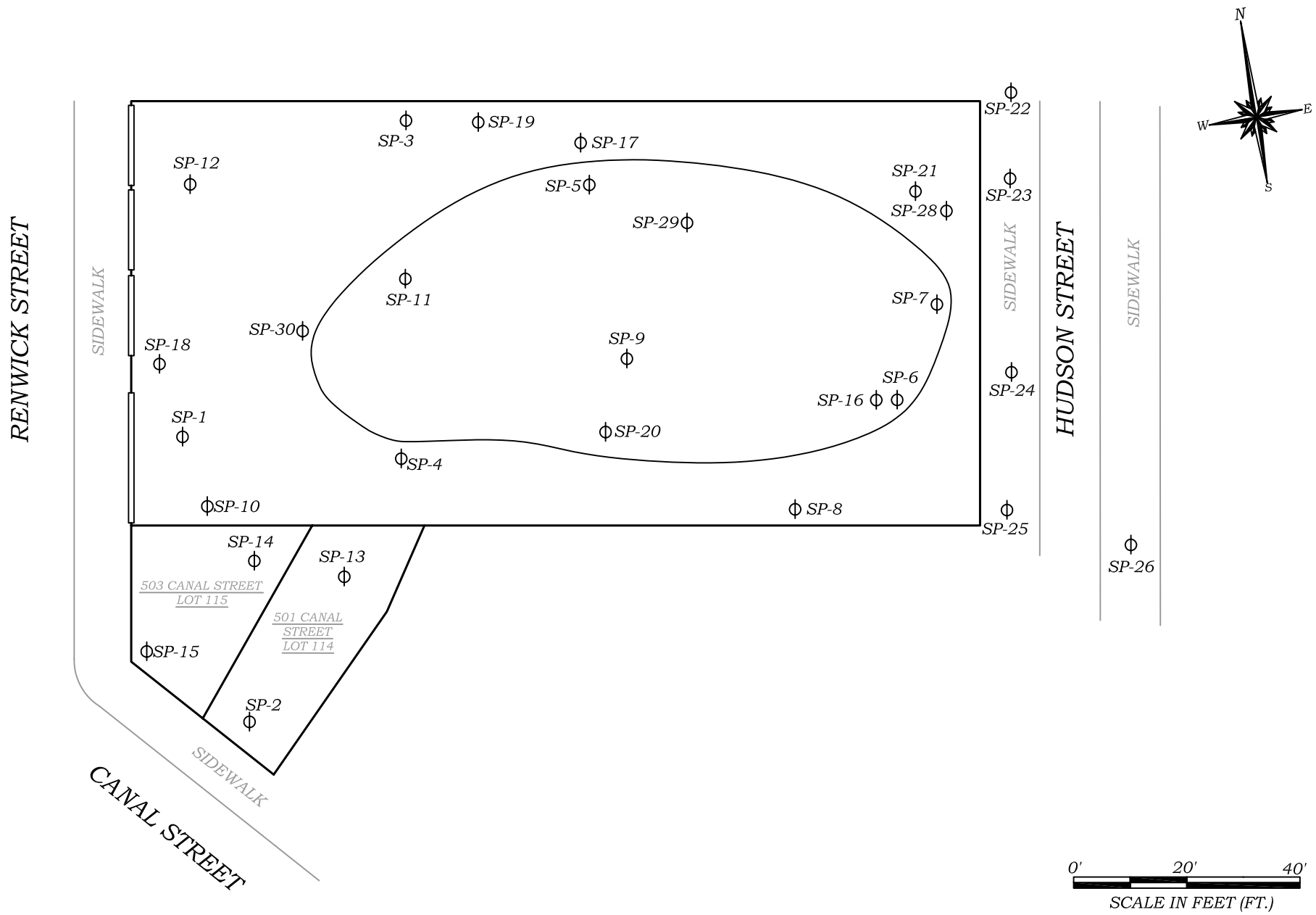

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FIGURE 4: SOIL BORING SAMPLING PLAN

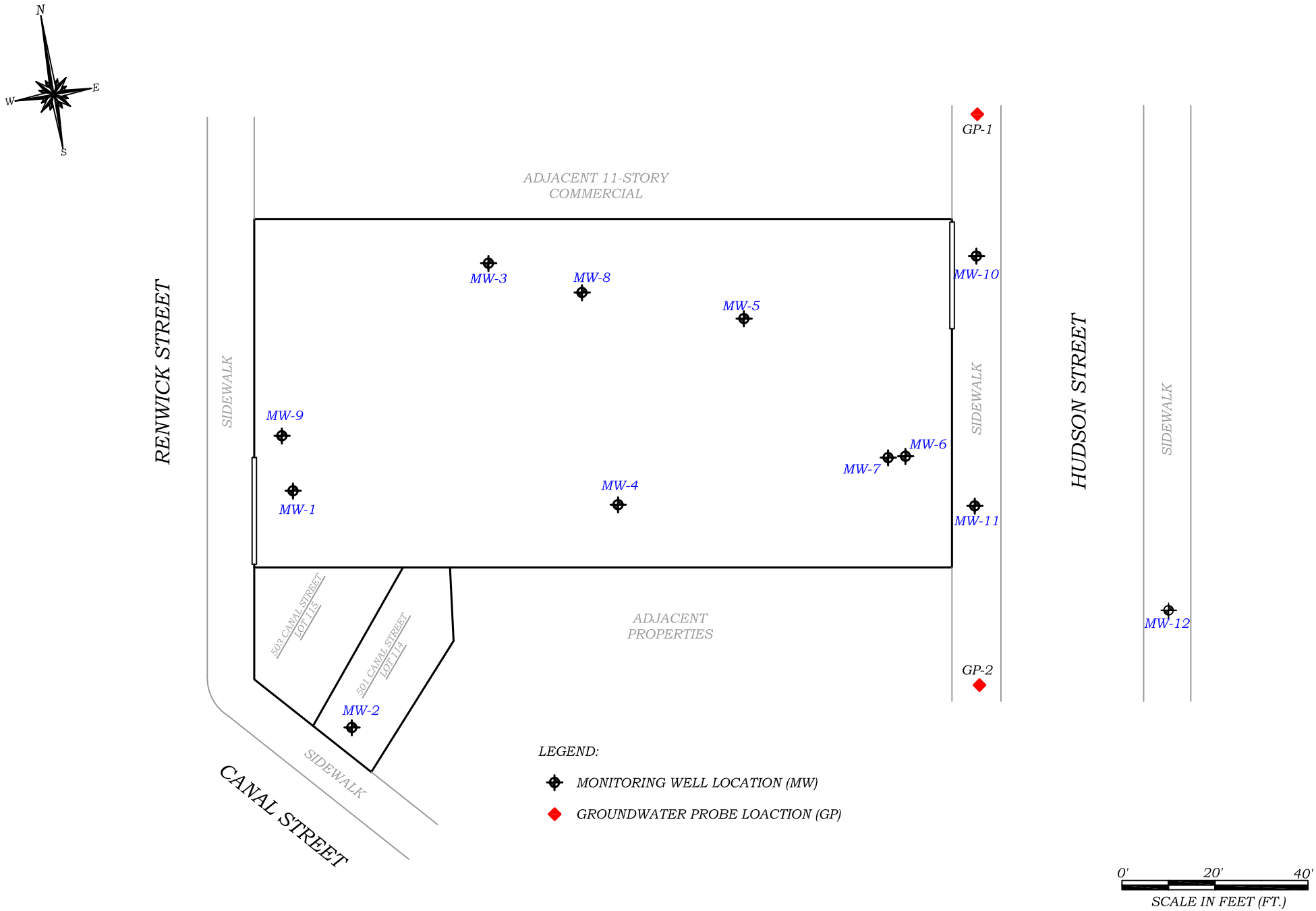

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FIGURE 5: MONITORING WELLS AND GROUNDWATER PROBES SAMPLING PLAN

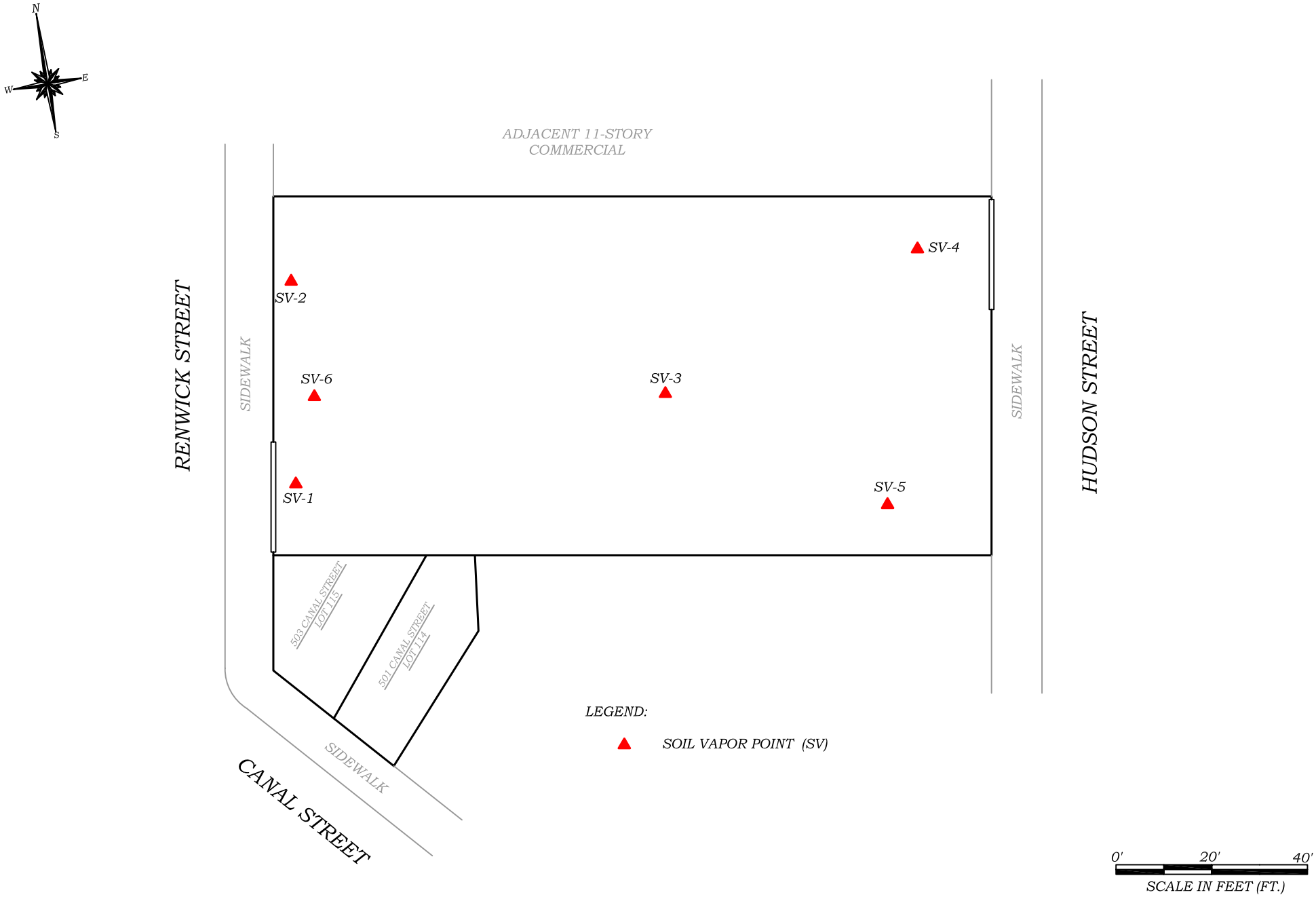

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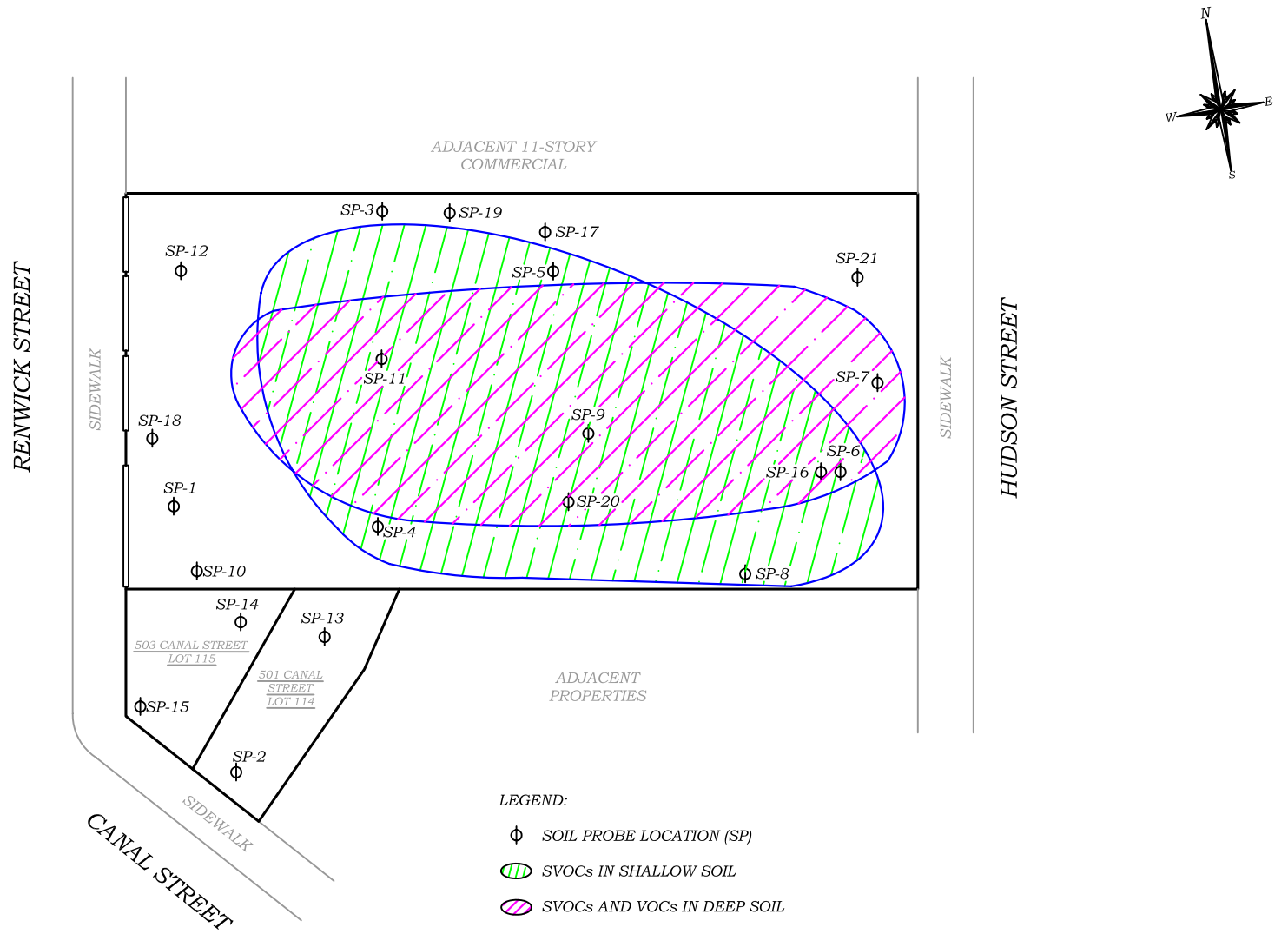
FIGURE 6: SOIL VAPOR SAMPLING PLAN



0' 20' 40'

SCALE IN FEET (FT.)

NOTE:

NO VOCs WERE DETECTED IN SHALLOW SOIL

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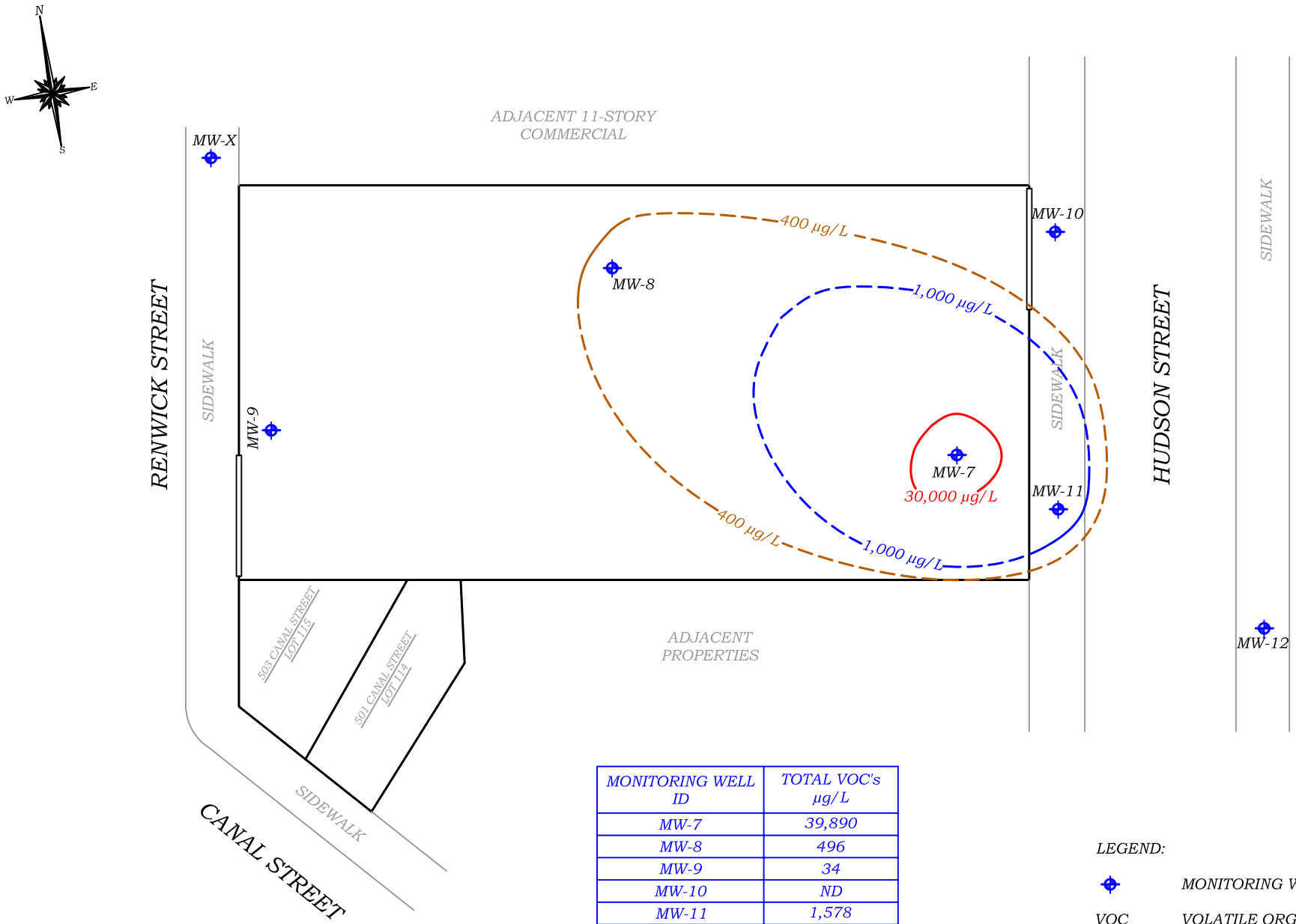
FIGURE 7: AREAS OF CONCERN DIAGRAM



MONITORING WELL ID	TOTAL VOC's µg/L
MW-7	39,890
MW-8	496
MW-9	34
MW-10	ND
MW-11	1,578
MW-12	ND
MW-X	8.6

LEGEND:

MONITORING WELL (MW)

VOC — VOLATILE ORGANIC COMPOUNDS

µg/L — MICROGRAMS PER LITER

0' 20' 40'

SCALE IN FEET (FT.)

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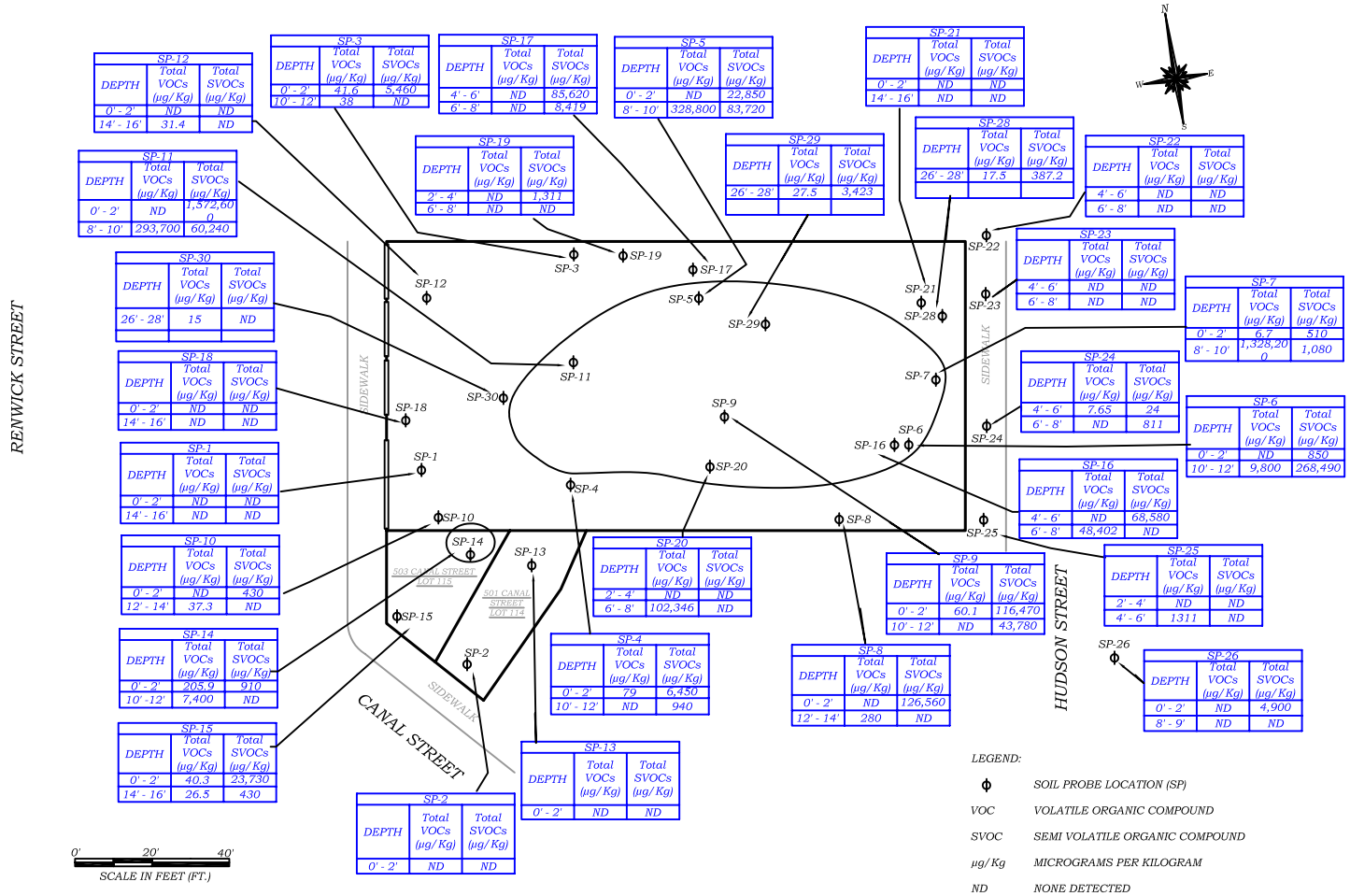
FIGURE 8: AOC GROUNDWATER CONTAMINATION



SP-12		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND
14' - 16'	31.4	ND

SP-3		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	41.6	5,460
10' - 12'	38	ND

SP-17		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
4' - 6'	ND	85,620
6' - 8'	ND	8,419

SP-5		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	22,850
8' - 10'	328,800	83,720

SP-21		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND
14' - 16'	ND	ND

SP-11		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	1,572,600
8' - 10'	293,700	60,240

SP-19		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
2' - 4'	ND	1,311
6' - 8'	ND	ND

SP-29		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
26' - 28'	27.5	3,423

SP-28		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
26' - 28'	17.5	387.2

SP-22		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
4' - 6'	ND	ND
6' - 8'	ND	ND

SP-30		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
26' - 28'	15	ND

SP-23		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
4' - 6'	ND	ND
6' - 8'	ND	ND

SP-7		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	6.7	510
8' - 10'	1,328,200	1,080

SP-18		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND
14' - 16'	ND	ND

SP-24		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
4' - 6'	7.65	24
6' - 8'	ND	811

SP-6		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	850
10' - 12'	9,800	268,490

SP-1		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND
14' - 16'	ND	ND

SP-16		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
4' - 6'	ND	68,580
6' - 8'	48,402	ND

SP-10		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	430
12' - 14'	37.3	ND

SP-20		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
2' - 4'	ND	ND
6' - 8'	102,346	ND

SP-9		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	60.1	116,470
10' - 12'	ND	43,780

SP-25		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
2' - 4'	ND	ND
4' - 6'	1311	ND

SP-14		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	205.9	910
10' -12'	7,400	ND

SP-4		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	79	6,450
10' - 12'	ND	940

SP-8		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	126,560
12' - 14'	280	ND

SP-26		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	4,900
8' - 9'	ND	ND

SP-15		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	40.3	23,730
14' - 16'	26.5	430

SP-13		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND

SP-2		
DEPTH	Total VOCs (µg/Kg)	Total SVOCs (µg/Kg)
0' - 2'	ND	ND

LEGEND:

ϕ	SOIL PROBE LOCATION (SP)
VOC	VOLATILE ORGANIC COMPOUND
SVOC	SEMI VOLATILE ORGANIC COMPOUND
µg/Kg	MICROGRAMS PER KILOGRAM
ND	NONE DETECTED

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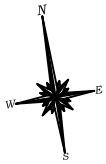
FIGURE 9: MAP OF SOIL CHEMISTRY RESULTS



SV- 2		
VOC	µg/Kg	NYSDOH
Acetone	70	10 - 52
Chloromethane	36	<0.25 - 1.8
Cyclohexane	2	<0.25 - 2.6

SV-4		
VOC	µg/Kg	NYSDOH
Acetone	120	10 - 52
Chloromethane	2.9	<0.25 - 1.8
Cyclohexane	5.3	<0.25 - 2.6
Dichlorodifluoromethane	6.7	<0.25 - 4.1

SV-3		
VOC	µg/Kg	NYSDOH
1,3,5-Trimethylbenzene	2.6	0.27 - 1.7
Acetone	94	10 - 52
Chloromethane	59	<0.25 - 1.8
Cyclohexane	4.8	<0.25 - 2.6

SV-1		
VOC	µg/Kg	NYSDOH
Acetone	260	10 - 52
Chloromethane	30	<0.25 - 1.8
Vinyl Chloride	3.9	<0.25

SV-5		
VOC	µg/Kg	NYSDOH
1,2-Dichloropropane	5.1	<0.25
1,3,5-Trimethylbenzene	2.7	0.27 - 1.7
Acetone	190	10 - 52
Chloromethane	130	<0.25 - 1.8
Cyclohexane	17	<0.25 - 2.6
Methyl-Tert-Butyl-Ether	24	<0.25 - 5.6

ADJACENT 11-STORY COMMERCIAL

RENWICK STREET

SIDEWALK

SV-2

SV-1

SV-4

SV-3

SV-5

SIDEWALK

HUDSON STREET

503 CANAL STREET LOT 115

501 CANAL STREET LOT 114

SIDEWALK

CANAL STREET

LEGEND:

▲ SOIL VAPOR POINT (SV)

VOC VOLATILE ORGANIC COMPOUND

µg/Kg MICROGRAMS PER KILOGRAM

NYSDOH NEW YORK STATE DEPT. OF HEALTH

SHADED VALUES EXCEED STANDARDS

0' 20' 40'

SCALE IN FEET (FT.)

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231-239 Hudson Street
501-503 Canal Street
New York , NY
HTE Job #
080048/110150

Drawn By: C.Q.
Reviewed By: M.R
Approved By: M.S
Date: 09/20/11
Scale:

TITLE:

FIGURE 10: MAP OF SOIL VAPOR CHEMISTRY RESULTS - JULY 2011

TABLES

Table 1
Shallow Soil Samples Organic Analytical Results
231-239 Hudson/501-503 Canal St, Manhattan, NY

Sample Identification	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	SP-12	SP-13	SP-14	SP-15	SP-18	SP-25	SP-26	Unrestricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8)	Restricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8b) - Residential
Sample Depth	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Sample Date	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	12/28/2009	2/17/2010	12/15/2010		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	µg/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (µg/kg)																				
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<1.11	<5.5	NS	NS
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	680	100,000
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	<2.21	<5.5	NS	NS
1,1,2,2-Tetrachloroethylene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	NA	<5.5	NS	NS
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<1.11	<5.5	270	19,000
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<2.21	<5.5	270	100,000
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
1,2,3,4-Tetrachlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	<2.21	<5.5	NS	NS
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<5.54	<5.5	NS	NS
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<28.3	<1.11	<5.5	NS	80,000
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
1,2,4-Trimethylbenzene	<5	<5	**7.7**	**19**	<5	<5	<5	<5	**18**	<5	<5	<5	<5	**9.9**	**7.2**	<5.67	NA	<5.5	3,600	47,000
1,2-Dibromo-3-chloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
1,2-Dibromoethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	1,100	100,000
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	200	2,300
1,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
1,3,5-Trimethylbenzene	<5	<5	<5	**10**	<5	<5	<5	<5	**8.8**	<5	<5	<5	<5	**16**	<5	<5.67	<1.11	<5.5	8,400	47,000
1,3-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	2,400	17,000
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	1,800	10,000
1,4-Dioxane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	100	9,800
113 Freon	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
2,4-Dichloro aniline	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
2,6-Dinitrotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
2-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
2-Hexanone	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	<27	NS	NS
3,4-Dichloroaniline	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
4-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
4-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
4-mythyl-2-pentanone	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	NA	<27	NS	NS
Acetone	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA	<27	50	100,000
Acrylonitrile	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	NA	<11	NS	NS
Benzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	60	2,900
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<28.3	<5.54	<5.5	NS	NS
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
Carbon Disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	760	1,400
Chloroacetamide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Chlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	1,100	100,000
Chloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	370	10,000
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	250	59,000
cis-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS

Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<28.3	<5.54	<5.5	NS	NS
Dibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Ethylacetate	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	1,000	30,000
Hexachlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	330	330
Hexachlorobutadiene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Hexachlorocyclopentadiene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	NS	NS
m + p-Xylene	<5	**7.3**	**20**	**35**	<5	<5	**6.7**	<5	**18**	<5	<5	<5	<5	<5	**15**	<11.3	<2.21	<5.5	NS	NS
Methanol	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Methyl ethyl ketone (2-Butanor	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	NA	<11.1	<27	120	100,000
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<56.7	<1.11	<5.5	50	51
Methyl-Tert-Butyl-Ether	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5.67	<1.10	<11	930	62,000
Naphthalene	<5	<5	<5	<5	<5	<5	<5	<5	**5.8**	<5	<5	<5	<5	**180**	12	NA	NA	<5.5	NS	NS
n-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	12,000	100,000
N-Nitrosodiphenylamine	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<11.3	<2.21	<5.5	3,900	100,000
o-Xylene	<5	**5**	**7.8**	**15**	<5	<5	<5	<5	**9.5**	<5	<5	<5	<5	<5	**6.1**	<5.67	<1.11	<5.5	NS	NS
Pentachlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
Pentachloronitrobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	<5.5	NS	NS
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	11,000	100,000
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
tert-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	5,900	100,000
Tetrachloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	1,300	6,000
Tetrahydrofuran	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	NA	<11	NS	NS
Toluene	<5	<5	**6.1**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	700	100,000
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	190	100,000
trans-1,3-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
trans-1,4-dichloro-2-butene	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	NA	<11	NS	NS
Trichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	470	10,000
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5.67	<1.11	<5.5	NS	NS
Vinyl chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<28.3	<5.54	<5.5	20	210
Xylene (Total)	<5	**12.3**	**28**	**50**	<5	<5	**6.7**	<5	**28**	<5	<5	<5	<5	<5	<21	<5.67	<3.32	<5.5	260	100,000
Total VOCs	0	24.6	69.6	129	0	0	13.4	0	88.1	0	0	0	0	205.9	40.3	0	0	0		
Semi-Volatile Organic Compounds (µg/kg)																				
1,2,3,6,7,8-HCDF	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<113	NA	<250	NS	NS
1,2,4-Trichlorobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	<111	<250	NS	NS
1,2-Dichlorobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<113	<111	<250	NS	NS
1,3-Dichlorobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
1,4-Dichlorobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
2,3,4,5-Tetrachlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,3,5,6-Tetrachloroaniline	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,4,5-Trichloroaniline	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,4,5-Trichlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,4,6-Trichlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,4-Dichlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2,4-Dinitrophenol	<610	<570	<610	<610	<590	<610	<580	<590	<590	<590	<1200	<660	<570	<600	<600	NA	NA	<250	NS	NS
2,4-Dinitrotoluene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
2,6-Dinitrotoluene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	1,030
2-Chloronaphthalene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<113	<111	<250	NS	NS
2-Chlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
2-Methylnaphthalene	<380	<360	<380	<380	<370	<380	<360	1700	<370	<370	16000	<420	<350	<380	<380	<113	<111	<250	NS	NS
2-Nitroaniline	<610	<570	<610	<610	<590	<610	<580	<590	<590	<590	<1200	<660	<570	<600	<600	<567	<554	<1000	NS	NS
2-Nitrophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
3,3'-Dichlorobenzidine	<460	<430	<460	<460	<440	<460	<440	<440	<440	<440	<930	<500	<430	<450	<450	<567	<554	<1400	NS	NS
3,4-Dichlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
3-Chlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	<554	<250	NS	NS
3-Nitroaniline	<610	<570	<610	<610	<590	<610	<580	<590	<590	<590	<1200	<660	<570	<600	<600	<567	NA	<1000	NS	NS
4,6-Dinitro-2-methylphenol	<1100	<1000	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<2200	<1200	<1000	<1100	<1100	NA	NA	NA	NS	NS
4-Bromophenyl Phenyl Ether	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<113	<111	<250	NS	NS

4-chloro-3-methylphenol	<460	<430	<460	<460	<440	<460	<440	<440	<440	<440	<930	<500	<430	<450	<450	NA	NA	NA	NS	NS
4-Chloroaniline	<460	<430	<460	<460	<440	<460	<440	<440	<440	<440	<930	<500	<430	<450	<450	<567	<554	<250	NS	NS
4-Chlorophenyl Phenyl Ether	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
4-methyl-2-pentanone	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
4-Nitroaniline	<610	<570	<610	<610	<590	<610	<580	<590	<590	<590	<1200	<660	<570	<600	<600	<567	<554	<1000	NS	NS
4-Nitrophenol	<380	<1000	<380	<380	<1100	<380	<1100	<1100	<1100	<1100	<2200	<1200	<1000	<1100	<1100	NA	NA	<250	NS	NS
Acenaphthene	<380	<360	<380	<380	<370	<380	<360	**760**	**770**	<370	**27000**	<420	<350	<380	<380	<113	<111	<250	20,000	100,000
Acenaphthylene	<380	<360	<380	<380	<370	<380	<360	**570**	**570**	<370	**11000**	<420	<350	<380	<380	<113	<111	<250	100,000	100,000
Aniline	<1100	<1000	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<2200	<1200	<1000	<1100	<1100	NA	NA	<250	NS	NS
Anthracene	<380	<360	<380	<380	**430**	<380	<360	**3200**	**2000**	<370	**74000**	<420	<350	<380	**420**	<227	<221	<250	100,000	100,000
Benzo (a) Anthracene	<380	<360	**590**	**630**	**1500**	<380	<360	**11000**	**11000**	<370	**120000**	<420	<350	<380	**1900**	<113	274	<1400	1,000	1,000
Benzo (a) Pyrene	<380	<360	**610**	**670**	**1500**	<380	<360	**11000**	**12000**	<370	**100000**	<420	<350	<380	**2200**	<113	<111	500	1,000	1,000
Benzo (b) Fluoranthene	<380	<360	**710**	**920**	**2000**	<380	<360	**14000**	**15000**	<370	**140000**	<420	<350	<380	**2800**	<567	<554	550	1,000	1,000
Benzo (g,h,I) Perylene	<380	<360	<380	**430**	**930**	<380	<360	**6000**	**5700**	<370	**31000**	<420	<350	<380	**1100**	<113	<111	840	100,000	100,000
Benzo (k) Fluoranthene	<380	<360	<380	<380	**760**	<380	<360	**3700**	**5500**	<370	**48000**	<420	<350	<380	**1100**	<227	<221	<250	800	1,000
Benzoic Acid	<1100	<1000	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<1100	<2200	<1200	<1000	<1100	<1100	NA	NA	280	NS	NS
Benzyl Butyl Phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<567	<554	<360	NS	NS
bis (2-Chloroethoxy) Methane	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
bis (2-Chloroethyl) Ether	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
bis (2-Chloroisopropyl) Ether	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
bis (2-Ethyl Hexyl) Phthalate	<380	<360	<380	<380	<370	**850**	**510**	<370	<370	**430**	<770	<420	<350	**910**	**770**	<227	<221	<250	NS	NS
Carbazole	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	**21000**	<420	<350	<380	<380	NA	NA	260	NS	NS
Chloroethane	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
Chrysene	<380	<360	**650**	**700**	**2000**	<380	<360	**10000**	**11000**	<370	**110000**	<420	<350	<380	**1800**	<227	**283**	<250	1,000	1,000
Dibenzo (a,h) Anthracene	<380	<360	<380	<380	<370	<380	<360	**1400**	**1500**	<370	**2600**	<420	<350	<380	<380	<227	<221	**410**	330	330
Dibenzofuran	<380	<360	<380	<380	<370	<380	<360	**560**	**550**	<370	**20000**	<420	<350	<380	<380	<567	<554	<250	NS	NS
Diethyl Phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
Dimethyl Phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<113	<111	<250	NS	NS
Di-n-Butyl Phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
Di-n-hexyl-phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
D-n-n-octyl Phthalate	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<567	<554	<250	NS	NS
Fluoranthene	<380	<360	**1100**	**1300**	**4900**	<380	<360	**23000**	**18000**	<370	**250000**	<420	<350	<380	4600	**157**	**318**	<250	100,000	100,000
Fluorene	<380	<360	<380	<380	<370	<380	<360	**950**	**590**	<370	**39000**	<420	<350	<380	<380	<227	<221	**790**	30,000	100,000
Hexachlorobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	410
Hexachlorobudadiene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
Hexachlorocyclopentadiene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<1130	<1110	<250	NS	NS
Hexachloroethane	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
Indeno (1,2,3-cd) Pyrene	<380	<360	<380	<380	**830**	<380	<360	**5400**	**5800**	<370	**33000**	<420	<350	<380	**940**	<227	<221	<250	500	500
Isophorone	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	**290**	NS	100,000
m-Cresol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	330	100,000
Naphthalene	<380	<360	<380	<380	<370	<380	<360	**890**	**590**	<370	**34000**	<420	<350	<380	<380	<113	<111	<250	12,000	100,000
Nitrobenzene	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	3,700
n-Nitrosodi-n-propylamine	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
N-Nitrosodiphenylamine	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	<227	<221	<250	NS	NS
o-Cresol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	330	100,000
p-Cresol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	330	34,000
Pentachloroaniline	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	NS	NS
Pentachlorophenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	<250	800	2,400
Phenanthrene	<380	<360	**700**	**800**	**3800**	<380	<360	**14000**	**8900**	<370	**310000**	<420	<350	<380	**1800**	<227	<221	<250	100,000	100,000
Phenol	<380	<360	<380	<380	<370	<380	<360	<370	<370	<370	<770	<420	<350	<380	<380	NA	NA	**330**	330	100,000
Pyrene	<380	<360	**1100**	**1000**	**4200**	<380	<360	**19000**	**17000**	<370	**220000**	<420	<350	<380	**4300**	**263**	**436**	<250	100,000	100,000
Total SVOCs	0	0	5460	6450	22850	850	510	127130	116470	430	1606600	0	0	910	23730	420	1311	4250	669750	1347370
Pesticides																				
a BHC	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<20	<17	<91	<18	NA	NA	NA	20	97
Alachlor	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<20	<17	<91	<18	NA	NA	NA	NS	NS
Aldrin	<5.8	<5.3	<5.7	<5.7	<5.4	<5.5	<5.5	<5.5	<5.4	<5.6	<5.8	<6.1	<5.3	<28	<5.7	NA	NA	NA	5	19
b BHC	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<20	<17	<91	<18	NA	NA	NA	36	72
Chlordane	<77	<70	<76	<75	<71	<73	<73	<72	<72	<74	<76	<81	<71	<380	<75	NA	NA	NA	NS	NS
d BHC g	<19	<17	<18	<18	<17	<18	<18	<18	<18	<18	<18	<20	<17	<91	<18	NA	NA	NA	40	100,000

Dieldrin	<5.8	<5.3	<5.7	<5.7	<5.4	<5.5	<5.5	<5.5	<5.4	<5.6	<5.8	<6.1	<5.3	<28	<5.7	NA	NA	NA	5	39
Endosulfan I	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<20	<17	<91	<18	NA	NA	NA	2,400	4,800
Endosulfan II	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	2,400	4,800
Endosulfan Sulfate	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	2,400	4,800
Endrin	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	14	2,200
Endrin Aldehyde	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	NS	NS
Endrin Ketone	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	NS	NS
g-BHC	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<39	<17	<91	<18	NA	NA	NA	NS	NS
Heptachlor	<12	<11	<11	<11	<11	<11	<11	<11	<11	<11	<12	<20	<11	<57	<11	NA	NA	NA	42	420
Heptachlor Epoxide	<19	<17	<18	<18	<17	<18	<18	<18	<17	<18	<18	<12	<17	<91	<18	NA	NA	NA	NS	77
Methoxychlor	<190	<170	<180	<180	<170	<180	<180	<180	<170	<180	<180	<20	<170	<910	<180	NA	NA	NA	NS	100,000
p,p-DDD	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	3.3	2,600
p,p-DDE	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	3.3	1,800
p,p-DDT	<37	<34	<37	<36	<34	<35	<35	<35	<35	<36	<37	<39	<34	<180	<36	NA	NA	NA	3.3	1,700
Toxaphene	<190	<170	<180	<180	<170	<180	<180	<180	<170	<180	<180	<200	<170	<910	<180	NA	NA	NA	NS	NS
PCBs																				
Arclor 1268	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1016	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1221	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1232	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1242	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1248	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1254	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1260	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS
Aroclor 1262	<390	<350	<380	<380	<360	<370	<370	<360	<360	<370	<380	<410	<360	<380	<380	NA	NA	NA	NS	NS

NS…No Standard
ND…Not Detected
Shaded values represent concentration exceeding the SCO
This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

Table 2
Deep Dry Soil Samples Organic Analytical Results
231-239 Hudson Street & 501-503 Canal St, NY, NY

Sample Identification	SP-16	SP-16	SP-17	SP-17	SP-18	SP-19	SP-19	SP-20	SP-20	SP-21	SP-21	SP-22	SP-22	SP-23	SP-23	SP-24	SP-24	SP-25	Unrestricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8)	Restricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8b) - Residential
Sample Depth	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'	6'-8'	4'-6'		
Sample Date	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	12/28/2009	2/17/2010	2/17/2010	2/17/2010	2/17/2010	2/17/2010	2/17/2010	2/17/2010		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds (µg/kg)																				
1,1,1,2-Tetrachloroethane	<5.97	<236	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
1,1,1-Trichloroethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	680	100,000
1,1,2,2-Tetrachloroethane	<11.9	<118	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,1,2-Trichloroethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,1-Dichloroethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<5.82	<5.81	<231	<6.08	<11.6	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	270	19,000
1,1-Dichloroethene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<11.6	<11.6	<462	<12.2	<5.81	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	270	100,000
1,1-Dichloropropene	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,2,3-Trichlorobenzene	<11.9	<118	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,2,3-Trichloropropane	<29.8	<590	<31.3	<27.7	<27.5	<27.6	<29.1	<29.1	<1150	<30.4	<29.1	<5.30	<5.39	<5.48	<5.36	<5.76	<5.80	<5.31	NS	80,000
1,2,4-Trichlorobenzene	<5.97	<236	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
1,2,4-Trimethylbenzene	**6.26**	**25500**	<6.27	<5.54	<5.49	<5.52	**13.1**	<5.81	**35900**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	3,600	47,000
1,2-Dibromo-3-chloropropane	<29.8	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<216	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,2-Dibromoethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,2-Dichlorobenzene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	1,100	100,000
1,2-Dichloroethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	200	2,300
1,2-Dichloropropane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
1,3,5-Trimethylbenzene	<5.97	**6820**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**9620**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	8,400	47,000
1,3-Dichlorobenzene	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	2,400	17,000
1,3-Dichloropropane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<11.6	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
1,4-Dichlorobenzene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	1,800	10,000
2,2-Dichloropropane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<5.82	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
2-Chlorotoluene	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
4-Chlorotoluene	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
4-Isopropyltoluene	<5.97	**307**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**370**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Benzene	<5.97	**422**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	60	2,900
Bromobenzene	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
Bromochloromethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Bromodichloromethane	<29.8	<590	<31.3	<27.7	<27.5	<27.6	<29.1	<29.1	<1150	<30.4	<29.1	<5.30	<5.39	<5.48	<5.36	<5.76	<5.80	<5.31	NS	NS
Bromoform	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Bromomethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
Carbon tetrachloride	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	760	1,400
Chlorobenzene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	1,100	100,000
Chloroethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
Chloroform	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	370	10,000
Chloromethane	<11.9	<236	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	<462	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
cis-1,2-Dichloroethene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	250	59,000
cis-1,3-Dichloropropene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.86	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Dibromochloromethane	<11.9	<590	<31.3	<27.7	<27.5	<27.6	<5.82	<29.1	<1150	<30.4	<29.1	<5.30	<5.39	<5.48	<5.36	<5.76	<5.80	<5.31	NS	NS
Dibromomethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Dichlorodifluoromethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Ethylbenzene	<11.9	**1780**	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	**7060**	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	1,000	30,000
Hexachlorobutadiene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Isopropylbenzene	<11.9	**374**	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	**956**	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
m + p-Xylene	<11.9	**4920**	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	**29300**	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	NS	NS
Methylene chloride	<59.7	<1180	<62.7	<55.4	<54.9	<5.52	<58.2	<58.1	<2310	<60.8	<58.1	<10.6	<10.8	<11.0	<10.7	<11.5	<11.6	<10.6	50	51
Methyl-Tert-Butyl-Ether	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	**7.65**	**24.0**	<1.06	930	62,000
n-Butylbenzene	<5.97	**1670**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**1570**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	12,000	100,000
n-Propylbenzene	<11.9	**2310**	<12.5	<11.1	<11.0	<11.0	<11.6	<11.6	**4580**	<12.2	<11.6	<2.12	<2.16	<2.19	<2.15	<2.30	<2.32	<2.13	3,900	100,000
o-Xylene	<5.97	**1850**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**11200**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
sec-Butylbenzene	<5.97	**479**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**630**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	11,000	100,000
Styrene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
tert-Butylbenzene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	5,900	100,000
Tetrachloroethene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	1,300	6,000
Toluene	**10.1**	**1970**	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	**1160**	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	700	100,000
trans-1,2-Dichloroethene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	190	100,000
trans-1,3-Dichloropropene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Trichloroethene	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	470	10,000
Trichlorofluoromethane	<5.97	<118	<6.27	<5.54	<5.49	<5.52	<5.82	<5.81	<231	<6.08	<5.81	<1.06	<1.08	<1.10	<1.07	<1.15	<1.16	<1.06	NS	NS
Vinyl chloride	<29.8	<590	<31.3	<27.7	<27.5	<27.6	<29.1	<29.1	<1150	<30.4	<29.1	<5.30	<5.39	<5.48	<5.36	<5.76	<5.80	<5.31	20	210

Total VOCs	16.36	48402	0	0	0	0	13.1	0	102346	0	0	0	0	0	0	7.65	24	0		
Semi-Volatile Organic Compounds (µg/kg)																				
1,2,4-Trichlorobenzene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
1,2-Dichlorobenzene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
1,3-Dichlorobenzene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
1,4-Dichlorobenzene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
2,4-Dinitrotoluene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<323	<213	NS	NS
2,6-Dinitrotoluene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	1,030
2-Chloronaphthalene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
2-Methylnaphthalene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
2-Nitroaniline	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
3,3'-Dichlorobenzidine	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
3-Nitroaniline	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
4-Bromophenyl Phenyl Ether	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
4-Chloroaniline	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
4-Chlorophenyl Phenyl Ether	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
4-Nitroaniline	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
Acenaphthene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	20,000	100,000
Acenaphthylene	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	100,000	100,000
Anthracene	**3680**	<236	**3000**	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	100,000	100,000
Benzo (a) Anthracene	**5970**	<118	**6430**	**2470**	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	**210**	<106	1,000	1,000
Benzo (a) Pyrene	**8460**	<118	**8550**	**1540**	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	1,000	1,000
Benzo (b) Fluoranthene	**7320**	<590	**9660**	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	1,000	1,000
Benzo (g,h,I) Perylene	**4780**	<118	**4380**	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	100,000	100,000
Benzo (k) Fluoranthene	**6510**	<236	**7330**	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	800	1,000
Benzyl Butyl Phthalate	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
bis (2-Chloroethoxy) Methane	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
bis (2-Chloroethyl) Ether	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
bis (2-Chloroisopropyl) Ether	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
bis (2-Ethyl Hexyl) Phthalate	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
Chrysene	**6760**	<236	**9390**	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	1,000	1,000
Dibenzo (a,h) Anthracene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	330	330
Dibenzofuran	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
Diethyl Phthalate	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
Dimethyl Phthalate	<358	<118	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	NS	NS
Di-n-Butyl Phthalate	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
D-n-octyl Phthalate	<1790	<590	<1880	<1660	<549	<552	<582	<581	<577	<608	<581	<530	<539	<548	<536	<576	<580	<531	NS	NS
Fluoranthene	**11200**	<118	**13300**	**1610**	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	100,000	100,000
Fluorene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<2116	<219	<215	<230	<232	<213	30,000	100,000
Hexachlorobenzene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	410
Hexachlorobudadiene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
Hexachlorocyclopentadiene	<3580	<1180	<3760	<3320	<1100	<1100	<1160	<1160	<1150	<1220	<1160	<1060	<1080	<1100	<1070	<1150	<1160	<1060	NS	NS
Hexachloroethane	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
Indeno (1,2,3-cd) Pyrene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	500	500
Isophorone	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	100,000
Naphthalene	<358	**1160**	<376	<332	<110	<110	<116	<116	<115	<122	<116	<106	<108	<110	<107	<115	<116	<106	12,000	100,000
Nitrobenzene	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	3,700
n-Nitrosodi-n-propylamine	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
N-Nitrosodiphenylamine	<716	<236	<752	<664	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	<232	<213	NS	NS
Phenanthrene	**4680**	<236	**880**	**819**	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	**256**	<213	100,000	100,000
Pyrene	**12900**	<236	**14700**	**1980**	<220	<221	<233	<233	<231	<243	<233	<212	<216	<219	<215	<230	**345**	<213	100,000	100,000
Total SVOCs	72260	1160	77620	8419	0	0	0	0	0	0	0	0	0	0	0	0	811	0		

NS…No Standard

ND…Not Detected

Shaded values represent concentration exceeding the SCO

This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

Table 3
Deep Saturated Soil Samples Organic Results
231-239 Hudson/501-503 Canal St, Manhattan, NY

Sample Identification	SP-1	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	SP-12	SP-14	SP-15	SP-26	SP-28	SP-29	SP-30	Unrestricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8)	Restricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8b) - Residential
Sample Depth	14'-16	10'-12'	14'-16'	8'-10'	10'-12'	8'-10'	12'-14'	10'-12'	12'-14'	8'-10'	12'-14'	10'-12'	14'-16'	8'-9'	26'-28'	26'-28'	26'-28'		
Sample Date	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	#########	3/27/2008	3/27/2008	#########	7/26/2011	7/26/2011	7/26/2011		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil		
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	ug/kg	ug/kg	ug/kg	ug/kg	µg/kg	µg/kg
Volatile Organic Compounds (µg/kg)																			
1,1,1,2-Tetrachloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.4	<1.4	<1.3	NS	NS
1,1,1-Trichloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.5	<2.4	<2.2	680	100,000
1,1,2,2-Tetrachloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.5	<1.5	<1.3	NS	NS
1,1,2,2-Tetrachloroethylene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
1,1,2-Trichloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.6	<1.6	<1.4	NS	NS
1,1-Dichloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.8	<1.8	<1.6	270	19,000
1,1-Dichloroethene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	270	100,000
1,1-Dichloropropene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
1,2,3,4-Tetrachlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
1,2,3-Trichlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.96	<0.94	<0.86	NS	NS
1,2,3-Trichloropropane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.9	<2.9	<2.7	NS	80,000
1,2,4-Trichlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.2	<1.2	<1.1	NS	NS
1,2,4-Trimethylbenzene	<5	**13**	<5	**5300**	**7400**	**590000**	<250	**22000**	<5	**120000**	**8.7**	<250	**7.3**	<5.4	<1.4	<1.4	<1.2	3,600	47,000
1,2-Dibromo-3-chloropropane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<3.4	<3.4	<3.1	NS	NS
1,2-Dibromoethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.8	<1.7	<1.6	NS	NS
1,2-Dichlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.5	<1.5	<1.4	1,100	100,000
1,2-Dichloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.7	<1.7	<1.5	200	2,300
1,2-Dichloropropane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.57	<0.56	<0.51	NS	NS
1,3,5-Trimethylbenzene	<5	<10	<5	**46000**	**2500**	**81000**	<250	**4600**	<5	**36000**	<5	<250	<5	<5.4	<0.96	<0.94	<0.86	8,400	47,000
1,3-Dichlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.2	<1.2	<1.1	2,400	17,000
1,3-Dichloropropane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.8	<1.8	<1.6	NS	NS
1,4-Dichlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.8	<1.7	<1.6	1,800	10,000
1,4-Dioxane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	100	9,800
113 Freon	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.6	<1.5	<1.4	NS	NS
2,2-Dichloropropane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.5	<2.4	<2.2	NS	NS
2,4-Dichloro aniline	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
2,6-Dinitrotoluene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
2-Chlorotoluene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.3	<1.2	<1.1	NS	NS
2-Hexanone	<25	<50	<25	<6300	<6300	<13000	<1300	<1300	<25	<13000	<25	<1300	<25	<27	NA	NA	NA	NS	NS
2-Isopropyltoluene	<5	<10	<5	**11000**	<1300	**17000**	<250	**1200**	<5	**8000**	<5	<250	<5	NA	NA	NA	NA	NS	NS
3,4-Dichloroaniline	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
4-Chlorotoluene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.3	<1.2	<1.1	NS	NS
4-Isopropyltoluene	<5	<10	<5	**6800**	<1300	**8600**	<250	**630**	<5	**5800**	<5	<250	<5	<5.4	<0.65	<0.64	<0.58	NS	NS
4-mythyl-2-pentanone	<25	<50	<25	<6300	<6300	<13000	<1300	<1300	<25	<13000	<25	<1300	<25	<27	NA	NA	NA	NS	NS
Acetone	<100	<200	<100	<25000	<25000	<50000	<5000	<5000	<100	<50000	<100	<5000	<100	<27	NA	NA	NA	50	100,000
Acrylonitrile	<10	<20	<10	<2500	<2500	<5000	<500	<500	<10	<5000	<10	<500	<10	<11	NA	NA	NA	NS	NS
Benzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.2	<1.2	<1.1	60	2,900
Bromobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.6	<1.6	<1.4	NS	NS
Bromochloromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<3.3	<3.3	<3.0	NS	NS
Bromodichloromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.6	<1.6	<1.4	NS	NS
Bromoform	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	**1.5**	<1.5	<1.3	NS	NS
Bromomethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<3.2	<3.2	<2.9	NS	NS
Carbon Disulfide	<5	<10	<5	<1300	<1300	<2500	<250	<250	**8**	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Carbon tetrachloride	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.7	<2.7	<2.4	760	1,400
Chloroacetamide	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Chlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.90	<0.89	<0.81	1,100	100,000
Chloroethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.0	<1.9	<1.8	NS	NS
Chloroform	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.93	<0.92	<.84	370	10,000
Chloromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.3	<2.3	<2.1	NS	NS
cis-1,2-Dichloroethene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.5	<2.4	<2.2	250	59,000
cis-1,3-Dichloropropene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.90	<0.89	<0.81	NS	NS
Dibromochloromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.7	<1.7	<1.6	NS	NS
Dibromomethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<3.4	<3.4	<3.1	NS	NS

Dichlorodifluoromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.1	<2.1	<1.9	NS	NS
Ethylacetate	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Ethylbenzene	<5	<10	<5	**36000**	<1300	**51000**	<250	**590**	<5	**7100**	<5	<250	<5	<5.4	<0.90	<0.89	<0.81	1,000	30,000
Hexachlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	330	330
Hexachlorobutadiene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.1	<1.1	<1.0	NS	NS
Hexachlorocyclopentadiene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Isopropylbenzene	<5	<10	<5	<1300	<1300	**8600**	<250	**330**	<5	**3400**	<5	<250	<5	<5.4	<1.0	<0.99	<0.91	NS	NS
m + p-Xylene	<5	**25**	<5	**32000**	**5000**	**310000**	<250	**4000**	**6.3**	**44000**	**16**	<250	**12**	<5.4	<1.4	<1.4	<1.3	NS	NS
Methanol	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Methyl ethyl ketone (2-Butanone)	<30	<60	<30	<7500	<7500	<15000	<1500	<1500	<30	<15000	<30	<1500	<30	<27	NA	NA	NA	120	100,000
Methylene chloride	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	**16**	**24**	**15**	50	51
Methyl-Tert-Butyl-Ether	<10	<20	<10	<2500	<2500	<5000	<500	<500	23	<5000	<10	<500	<10	<11	<.98	3.7	<0.88	930	62,000
Naphthalene	<5	<10	<5	**21000**	**2300**	**72000**	<250	**4800**	<5	**32000**	<5	**7400**	<5	<5.4	<1.3	<1.3	<1.2	NS	NS
n-Butylbenzene	<5	<10	<5	<1300	<1300	**12000**	**280**	**1300**	<5	**8400**	<5	<250	<5	<5.4	<0.83	<0.82	<0.74	12,000	100,000
N-Nitrosodiphenylamine	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
n-Propylbenzene	<5	<10	<5	<1300	<1300	**30000**	<250	**1500**	<5	12000	<5	<250	<5	<5.4	<1.5	<1.5	<1.3	3,900	100,000
o-Xylene	<5	<10	<5	**16000**	<1300	**120000**	<250	**2300**	<5	**17000**	**6.7**	<250	**7.2**	<5.4	<1.3	<1.3	<1.2	NS	NS
Pentachlorobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
Pentachloronitrobenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	NA	NA	NA	NS	NS
sec-Butylbenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.3	<1.3	<1.2	11,000	100,000
Styrene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.1	<1.1	<1.0	NS	NS
tert-Butylbenzene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.2	<1.2	<1.1	5,900	100,000
Tetrachloroethene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.3	<1.3	<1.2	1,300	6,000
Tetrahydrofuran	<10	<20	<10	<2500	<2500	<5000	<500	<500	<10	<5000	<10	<500	<10	<11	NA	NA	NA	NS	NS
Toluene	<5	<10	<5	<1300	<1300	28000	<250	<250	<5	<2500	<5	<250	<5	<5.4	<0.59	<0.59	<0.53	700	100,000
trans-1,2-Dichloroethene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.7	<1.7	<1.5	190	100,000
trans-1,3-Dichloropropene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.8	<1.7	<1.6	NS	NS
trans-1,4-dichloro-2-butene	<10	<20	<10	<2500	<2500	<5000	<500	<500	<10	<5000	<10	<500	<10	<11	NA	NA	NA	NS	NS
Trichloroethene	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<1.5	<1.5	<1.3	470	10,000
Trichlorofluoromethane	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.4	<2.3	<2.1	NS	NS
Vinyl chloride	<5	<10	<5	<1300	<1300	<2500	<250	<250	<5	<2500	<5	<250	<5	<5.4	<2.5	<2.5	<2.3	20	210
Xylene (Total)	<5	**25**	<5	**48000**	**5000**	**430000**	<250	**6300**	**6.3**	**61000**	**23**	<250	**19**	<5.4	<2.7	<2.7	<2.4	260	100,000
Total VOCs	0	63	0	222100	22200	1758200	280	49550	43.6	354700	54.4	7400	45.5	0	17.5	27.7	15		
Semi-Volatile Organic Compounds (µg/kg)																			
1,2,3,6,7,8-HCDF	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
1,2,4-Trichlorobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<109	<109	<97.8	NS	NS
1,2-Dichlorobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<87.3	<86.1	<78.5	NS	NS
1,3-Dichlorobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<95.0	<93.7	<85.4	NS	NS
1,4-Dichlorobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<68.4	<67.5	<61.5	NS	NS
2,3,4,5-Tetrachlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
2,3,5,6-Tetrachloroaniline	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
2,4,5-Trichloroaniline	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
2,4,5-Trichlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<54.2	<53.5	<48.8	NS	NS
2,4,6-Trichlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<97.6	<96.2	<87.8	NS	NS
2,4-Dichlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<81.5	<80.4	<73.3	NS	NS
2,4-Dinitrophenol	<610	<640	<590	<560	<740	<590	<580	<590	<660	<590	<600	<620	<610	<240	<168	<165	<151	NS	NS
2,4-Dinitrotoluene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<87.3	<86.1	<78.5	NS	NS
2,6-Dinitrotoluene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<95.0	<93.7	<85.4	NS	1,030
2-Chloronaphthalene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<60.9	<60.1	<54.8	NS	NS
2-Chlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<116	<115	<104	NS	NS
2-Methylnaphthalene	<380	<400	<370	**51000**	**3400**	**600**	<360	**3400**	<410	**29000**	<380	<390	<380	<240	<69.5	<68.5	<62.5	NS	NS
2-Nitroaniline	<610	<640	<590	<560	<740	<590	<580	<590	<660	<590	<600	<620	<610	<1000				NS	NS
2-Nitrophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<68.4	<67.5	<61.5	NS	NS
3,3'-Dichlorobenzidine	<460	<480	<440	<420	<550	<440	<440	<440	<500	<440	<450	<470	<460	<1400	<50.2	<49.6	<45.2	NS	NS
3,4-Dichlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
3-Chlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
3-Nitroaniline	<610	<640	<590	<560	<740	<590	<580	<590	<660	<590	<600	<620	<610	<1000	<72.3	<71.3	<65.0	NS	NS
4,6-Dinitro-2-methylphenol	<1100	<1200	<1100	<1000	<1300	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100	NA	<151	<149	<136	NS	NS
4-Bromophenyl Phenyl Ether	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<83.2	<82.1	<74.8	NS	NS
4-chloro-3-methylphenol	<460	<480	<440	<420	<550	<440	<440	<440	<500	<440	<450	<470	<380	NA	<21.5	<21.2	<19.3	NS	NS
4-Chloroaniline	<460	<480	<440	<420	<550	<440	<440	<440	<500	<440	<450	<470	<380	<240	<78.8	<77.7	<70.8	NS	NS
4-Chlorophenyl Phenyl Ether	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<57.5	<56.7	<51.7	NS	NS

4-methyl-2-pentanone	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
4-Nitroaniline	<610	<640	<590	<560	<740	<590	<580	<590	<660	<590	<600	<620	<610	<1000	<66.2	<65.3	<59.6	NS	NS
4-Nitrophenol	<1100	<1200	<1100	<1000	<1300	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100	<240	<72.1	<71.2	<64.9	NS	NS
Acenaphthene	<380	<400	<370	<350	**5000**	<370	<360	<370	<410	<370	<380	<390	<380	<240	<116	<114	<104	20,000	100,000
Acenaphthylene	<380	<400	<370	<350	**490**	<370	<360	**500**	<410	<370	<380	<390	<380	<240	<55.9	<55.1	<50.3	100,000	100,000
Aniline	<1100	<1200	<1100	<1000	<1300	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100	<240	<71.1	<70.8	<64.5	NS	NS
Anthracene	<380	<400	<370	<350	**14000**	<370	<360	**390**	<410	<370	<380	<390	<380	<240	<49.4	77.1	<44.5	100,000	100,000
Benzo (a) Anthracene	<380	<400	<370	<350	**19000**	<370	<360	**3600**	<410	<370	<380	<390	<380	<1400	<77.2	300	<69.4	1,000	1,000
Benzo (a) Pyrene	<380	<400	<370	<350	**17000**	<370	<360	**4300**	<410	<370	<380	<390	**430**	<240	66.6	297	<46.8	1,000	1,000
Benzo (b) Fluoranthene	<380	<400	<370	<350	**21000**	<370	<360	**5000**	<410	<370	<380	<390	<380	<240	<75.9	256	<68.3	1,000	1,000
Benzo (g,h,I) Perylene	<380	<400	<370	<350	**7900**	<370	<360	**2100**	<410	<370	<380	<390	<380	<240	<60.0	158	<53.9	100,000	100,000
Benzo (k) Fluoranthene	<380	<400	<370	<350	**6600**	<370	<360	**2000**	<410	<370	<380	<390	<380	<240	78.6	371	<69.5	800	1,000
Benzoic Acid	<1100	<1200	<1100	<1000	<1300	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100	<240	NA	NA	NA	NS	NS
Benzyl Butyl Phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<350	<83.2	<82.1	<74.8	NS	NS
bis (2-Chloroethoxy) Methane	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<73.5	<72.5	<66.1	NS	NS
bis (2-Chloroethyl) Ether	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<67.7	<66.8	<60.9	NS	NS
bis (2-Chloroisopropyl) Ether	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<74.1	<73.1	<66.6	NS	NS
bis (2-Ethyl Hexyl) Phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<66.8	<65.9	<60.1	NS	NS
Carbazole	<380	<400	<370	<350	**4000**	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
Carbazole	<1100	<1200	<1100	<1000	<1300	<1100	<1100	<1100	<1200	<1100	<1100	<1100	<1100	<240	NA	NA	NA	NS	NS
Chloroethane	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
Chrysene	<380	<400	<370	<350	**18000**	<370	<360	**3400**	<410	<370	<380	<390	<380	<240	<80.4	304	<72.3	1,000	1,000
Dibenzo (a,h) Anthracene	<380	<400	<370	<350	**2200**	<370	<360	**570**	<410	<370	<380	<390	<380	<240	<50.4	<49.7	<45.3	330	330
Dibenzofuran	<380	<400	<370	<350	**3900**	<370	<360	<370	<410	<370	<380	<390	<380	<240	<64.4	<63.5	<57.9	NS	NS
Diethyl Phthalate	<380	<400	**940**	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<105	<103	<94.2	NS	NS
Dimethyl Phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<57.5	<56.7	<51.7	NS	NS
Di-n-Butyl Phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<59.6	<58.8	<53.6	NS	NS
Di-n-hexyl-phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	NS	NS
D-n-n-octyl Phthalate	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<89.7	<88.5	<80.7	NS	NS
Fluoranthene	<380	<400	<370	**570**	**43000**	<370	<360	**6100**	<410	**770**	<380	<390	<380	<240	<116	553	<104	100,000	100,000
Fluorene	<380	<400	<370	<350	**5700**	<370	<360	<370	<410	<370	<380	<390	<380	<240	<55.9	<55.1	<50.3	30,000	100,000
Hexachlorobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<32.5	<32.1	<29.2	NS	410
Hexachlorobudadiene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<79.8	<78.7	<71.8	NS	NS
Hexachlorocyclopentadiene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<148	<146	<133	NS	NS
Hexachloroethane	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<71.7	<70.8	<64.5	NS	NS
Indeno (1,2,3-cd) Pyrene	<380	<400	<370	<350	**7400**	<370	<360	**2000**	<410	<370	<380	<390	<380	<240	<73.5	152	<66.1	500	500
Isophorone	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<74.1	<73.1	<66.6	NS	100,000
m-Cresol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	330	100,000
Naphthalene	<380	<400	<370	**31000**	**5900**	**480**	<360	**3100**	<410	**29000**	<380	<390	<380	<240	<59.6	<58.8	<53.6	12,000	100,000
Nitrobenzene	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<89.7	<88.5	<80.7	NS	3,700
n-Nitrosodi-n-propylamine	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<72.1	<71.2	<64.9	NS	NS
N-Nitrosodiphenylamine	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<52.1	<51.4	<46.8	NS	NS
o-Cresol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	330	100,000
p-Cresol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	NA	NA	NA	330	34,000
Pentachloroaniline	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<116	<114	<104	NS	NS
Pentachlorophenol	<380	<400	<370	<350	<460	<370	<360	<370	<410	<370	<380	<390	<380	<240	<55.9	<55.1	<50.3	800	2,400
Phenanthrene	<380	<400	<370	**640**	**50000**	<370	<360	**1200**	<410	**860**	<380	<390	<380	<240	**106**	**367**	<66.2	100,000	100,000
Phenol	<380	<400	<370	<350	<460	<370	<360	**820**	<410	<370	<380	<390	<380	<240	<79.8	<78.7	<71.8	330	100,000
Pyrene	<380	<400	<370	**510**	**34000**	<370	**570**	**5300**	<410	**610**	<380	<390	<380	<240	136	588	<64.4	100,000	100,000
Total SVOCs	0	0	940	83720	268490	1080	570	43780	0	60240	0	0	430	0	387.2	3423.1	0		
Pesticides																			
a BHC	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	<2.98	<2.94	<2.68	20	97
Alachlor	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	NA	NA	NA	NS	NS
Aldrin	<5.7	<5.9	<5.5	<5.2	<6.8	<5.6	<5.4	<5.4	<6.1	<5.5	<5.7	<29	<5.8	NA	<2.52	<2.49	<2.27	5	19
b BHC	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	<2.49	<2.46	<2.24	36	72
Chlordane	<75	<78	<73	<69	<90	<73	<71	<71	<80	<73	<75	<380	<76	NA	<15.8	<15.6	<14.2	NS	NS
d BHC g	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	<2.15	<2.12	<1.94	40	100,000
Dieldrin	<5.7	<5.9	<5.5	<5.2	<6.8	<5.6	<5.4	<5.4	<6.1	<5.5	<5.7	<29	<5.8	NA	<2.33	<2.30	<2.10	5	39
Endosulfan I	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	<1.91	<1.89	<1.72	2,400	4,800
Endosulfan II	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<2.42	<2.38	<2.17	2,400	4,800
Endosulfan Sulfate	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<2.02	<1.99	<1.82	2,400	4,800
Endrin	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<2.39	<2.36	<2.15	14	2,200

Endrin Aldehyde	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<2.66	<2.62	<2.39	NS	NS
Endrin Ketone	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<1.73	<1.71	<1.56	NS	NS
g-BHC	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	NA	NA	NA	NS	NS
Heptachlor	<11	<12	<11	<10	<14	<11	<11	<11	<12	<11	<11	<58	<12	NA	<3.15	<3.10	<2.83	42	420
Heptachlor Epoxide	<18	<19	<18	<17	<22	<18	<17	<17	<19	<18	<18	<92	<18	NA	<1.73	<1.71	<1.56	NS	77
Methoxychlor	<180	<190	<180	<170	<220	<180	<170	<170	<190	<180	<180	<920	<180	NA	<10.2	<19.5	<9.16	NS	100,000
p,p-DDD	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<1.76	<1.74	<1.58	3.3	2,600
p,p-DDE	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<2.26	<2.23	<2.03	3.3	1,800
p,p-DDT	<36	<38	<35	<33	<44	<36	<34	<34	<39	<35	<36	<180	<37	NA	<1.77	<1.75	<1.59	3.3	1,700
Toxaphene	<180	<190	<180	<170	<220	<180	<170	<170	<190	<180	<180	<920	<180	NA	<395	<390	<355	NS	NS
PCBs																			
Arclor 1268	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	NA	NA	NA	NS	NS
Aroclor 1016	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<9.45	<9.32	<8.50	NS	NS
Aroclor 1221	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<9.45	<9.32	<8.50	NS	NS
Aroclor 1232	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<9.45	<9.32	<8.50	NS	NS
Aroclor 1242	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<9.45	<9.32	<8.50	NS	NS
Aroclor 1248	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<9.45	<9.32	<8.50	NS	NS
Aroclor 1254	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<8.14	<8.03	<7.32	NS	NS
Aroclor 1260	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	<8.14	<8.03	<7.32	NS	NS
Aroclor 1262	<380	<390	<370	<350	<460	<370	<360	<360	<400	<370	<380	<390	<380	NA	NA	NA	NA	NS	NS

NS…No Standard

ND…Not Detected

Shaded values represent concentration exceeding the SCO

Table 4A
Shallow Soil Samples Inorganic Results
231-239 Hudson St/501-503 Canal St, New York, NY

Sample Identification	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	SP-12	SP-13	SP-14	SP-15	Unrestricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8)	Restricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8b) - Residential
Sample Depth	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'	0'-2'		
Sample Date	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008		
Sample Matrix	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Silver	**0.49**	**0.56**	**0.50**	<0.39	<0.39	<0.37	<0.36	<0.35	0.65	<0.38	<0.41	<0.40	<0.38	<0.40	<0.36	2	36
Aluminum	**4410**	**5230**	**6440**	**6310**	**5890**	**4990**	**3020**	**5620**	**6470**	**3070**	**5370**	**5920**	**5100**	**3260**	**5050**	NS	NS
Arsenic	**3.7**	**1.9**	**1.5**	**4**	**9.0**	<0.7	<0.07	**9.0**	**7.4**	<0.8	<0.8	6.3	1.1	<0.8	<0.7	13	16
Barium	**1040**	**75.8**	**88.1**	**162**	**364**	**28.1**	**20.5**	**95.4**	**168**	**26.1**	**63.1**	**207**	**60.1**	**22.6**	**2360**	350	350
Beryllium	**0.34**	**0.38**	**0.33**	**0.36**	**0.41**	<0.30	<0.28	**0.40**	**0.43**	<0.31	**0.34**	**0.39**	**0.32**	<0.32	**0.33**	7.2	14
Calcium	**27800**	**1300**	**36200**	**41700**	**4940**	**1440**	**1260**	**14900**	**4590**	**1660**	**1810**	**38800**	**995**	**1720**	**66300**	NS	NS
Cadmium	**1.16**	<0.33	<0.41	<0.39	**0.60**	<0.37	<0.36	**1.37**	<0.37	<0.38	<0.41	**0.42**	<0.38	<0.40	**1.52**	2.5	2.5
Cobalt	**5.24**	**5.48**	**6.14**	**6.09**	**6.51**	**4.68**	**3.18**	**7.26**	**6.27**	**3.22**	**4.67**	**4.32**	**4.45**	**3.38**	**5.87**	NS	30
Chromium	**19.0**	**14.8**	**11.7**	**15.0**	**18.3**	**21.1**	**15.0**	**15.8**	**17.2**	**17.7**	**14.6**	**17.3**	**14.6**	**18.7**	**18.6**		
Copper	**53.9**	**57.6**	**38.6**	**48.2**	**68.1**	**12.3**	**9.31**	**66.7**	**64.5**	**13.2**	**8.75**	**11.7**	**9.41**	**16.0**	**33.1**	50	270
Iron	**10000**	**9970**	**12400**	**17100**	**16000**	**10700**	**7980**	**16600**	**17100**	**8830**	**10500**	**10800**	**9690**	**8520**	**10200**	NS	NS
Mercury	**1.25**	**0.70**	**1.66**	**1.68**	**1.90**	<0.08	<0.07	**0.41**	**6.61**	<0.09	**0.32**	**0.33**	<0.08	<0.09	**0.33**	0.18	0.81
Potassium	**1250**	**1150**	**1260**	**1640**	**1050**	**908**	**660**	**1200**	**1270**	**711**	**1270**	**1620**	**1020**	**738**	**1990**	NS	NS
Magnesium	**4590**	**1800**	**4400**	**4470**	**2480**	**2480**	**1880**	**4350**	**2200**	**1760**	**2300**	**10600**	**2200**	**2020**	**4080**	NS	NS
Manganese	**264**	**325**	**393**	**465**	**308**	**144**	**122**	**319**	**1030**	**120**	**108**	**307**	**229**	**134**	**290**	1600	2,000
Sodium	**542**	**158**	**326**	**244**	**161**	**149**	**130**	**475**	**153**	**153**	**178**	**829**	**173**	**161**	**358**	NS	NS
Nickel	**18.5**	**17.0**	**20.1**	**18.2**	**21.3**	**16.0**	**12.8**	**17.4**	**19.4**	**16.1**	**13.8**	**16.5**	**17.4**	**19.4**	**16.5**	30	140
Lead	**1070**	**182**	**250**	**598**	**1440**	**4.04**	**1.61**	**175**	**577**	**2.26**	**138**	**420**	**21.6**	**2.47**	**1100**	63	400
Antimony	<4.0	<3.3	<4.1	<3.9	<3.9	<3.7	<3.6	<3.5	<3.7	<3.8	<4.1	<4.0	<3.8	<4.0	<3.6	NS	NS
Selenium	<2.0	<1.6	<2.0	<1.9	<2.0	<1.8	<1.8	<1.7	<1.8	<1.9	<2.0	<2.0	<1.9	<2.0	<1.8	3.9	36
Thallium	<4.0	<3.3	<4.1	<3.9	<3.9	<3.7	<3.6	<3.5	<3.7	<3.8	<4.1	<4.0	<3.8	<4.0	<3.6	NS	NS
Vanadium	**17.7**	**14.7**	**14.9**	**18.7**	**20.6**	**13.7**	**9.66**	**20.1**	**20.9**	**12.1**	**16.2**	**30.1**	**15.7**	**11.0**	**20.8**	NS	100
Zinc	**1030**	**33.7**	**39.6**	**170**	**498**	**24.5**	**14.2**	**110**	**210**	**16.2**	**64.0**	**236**	**21.0**	**17.1**	**1270**	109	2,200

ND…not detected
mg/kg…milligrams per kilogram
NS…no standard
Shaded values represent concentration exceeding the SCO
This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

Table 4B
Deep Saturated Soil Samples Inorganic Results
231-239 Hudson St/501-503 Canal St, New York, NY

Sample Identification	SP-1	SP-3	SP-4	SP-5	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	SP-12	SP-14	SP-15	SP-28	SP-29	SP-30	Unrestricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8)	Restricted Use Soil Cleanup Objectives (6 NYC RR Pt.375-6.8b) Residential
Sample Depth	14'-16	10'-12'	14'-16'	8'-10'	10'-12'	8'-10'	12'-14'	10'-12'	12'-14'	8'-10'	12'-14'	10'-12'	14'-16'	26'-28'	26'-28'	26'-28'		
Sample Date	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	3/27/2008	7/26/2011	7/26/2011	7/26/2011		
Sample Matrix	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Metals	Soil	Soil	Soil		
Units	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg/Kg	mg/Kg	µg/Kg	µg/Kg
Aluminum	**4700**	**4170**	**5050**	**3940**	**8050**	**6460**	**4900**	**6610**	**9210**	**5020**	**7240**	**9470**	**10800**	**3380**	**3000**	**3960**	NS	NS
Antimony	<4.1	<4.0	<3.3	<3.5	20.7	<3.3	<3.6	<3.7	<4.2	<3.9	<3.9	<4.1	<3.6	<0.168	<0.165	<0.151	NS	NS
Arsenic	<0.8	<0.8	<0.7	<0.7	**5.1**	<0.7	<0.7	**4.6**	<0.8	**1.2**	**1.7**	**8.7**	**0.7**	**0.819**	**1.24**	**3.34**	13	16
Barium	**36.0**	**28.4**	**35.8**	**40.6**	**160**	**53.8**	**53.7**	**144**	**20.3**	**43.5**	**50.2**	**305**	**49.0**	**11.3**	**8.66**	**61.4**	350	350
Beryllium	<0.33	<0.32	**0.35**	**0.35**	**0.48**	**0.37**	**0.35**	**0.47**	**0.36**	<0.31	**0.37**	**0.59**	**0.44**	<0.010	<0.009	<0.009	7.2	14
Cadmium	<0.41	<0.40	<0.33	<0.35	<0.41	<0.33	<0.36	<0.37	<0.42	<0.39	<0.39	**1.18**	<0.36	<0.156	<0.153	<0.140	2.5	2.5
Calcium	**657**	**796**	**835**	**797**	**30700**	**875**	**701**	**14300**	**302**	**634**	**1050**	**82700**	**3620**	**292**	**153**	**36900**	NS	NS
Chromium	**13.4**	**14.3**	**14.1**	**13.1**	**20.9**	**14.4**	**14.5**	**21.6**	**11.4**	**13.0**	**15.4**	**32.8**	**16.4**	**9.86**	**8.21**	**11.8**	NS	NS
Cobalt	**4.52**	**3.67**	**5.01**	**4.10**	**7.21**	**6.42**	**4.26**	**6.44**	**4.50**	**3.91**	**5.30**	**6.26**	**6.22**	**3.1**	**3.24**	**4.23**	NS	30
Copper	**8.89**	**5.67**	**8.41**	**7.87**	**63.8**	**10.4**	**8.33**	**29.9**	**8.76**	**6.77**	**9.59**	**41.0**	**17.3**	**5.1**	**4.61**	**11.6**	50	270
Iron	**9310**	**9510**	**10300**	**9190**	**18000**	**12500**	**10000**	**17200**	**11400**	**8750**	**12400**	**13000**	**15100**	**6100**	**5510**	**8430**	NS	NS
Lead	**4.83**	**3.60**	**7.72**	**21.8**	**665**	**13.7**	**13.6**	**172**	**5.29**	**8.22**	**13.1**	**530**	**13.8**	**3.32**	**3.24**	**60.2**	63	400
Magnesium	**1810**	**1610**	**1900**	**1610**	**4850**	**2210**	**1750**	**2850**	**2740**	**1580**	**2820**	**4530**	**5010**	**1310**	**1140**	**3300**	NS	NS
Manganese	**109**	**106**	**230**	**104**	**292**	**169**	**94.5**	**374**	**77.0**	**111**	**281**	**540**	**212**	**44.9**	**34.9**	**285**	1600	2,000
Mercury	<0.08	<0.09	<0.08	<0.07	**0.36**	<0.07	<0.07	**0.20**	<0.07	<0.07	<0.09	**0.47**	**0.43**	NA	NA	NA	0.18	0.81
Nickel	**15.4**	**12.1**	**18.2**	**14.0**	**22.6**	**15.4**	**14.7**	**19.2**	**11.8**	**13.7**	**16.7**	**21.8**	**15.5**	**11.1**	**10.6**	**22.7**	30	140
Potassium	**1020**	**1080**	**1100**	**1090**	**1480**	**1140**	**1140**	**1220**	**835**	**654**	**835**	**2020**	**1220**	**609**	**590**	**957**	NS	NS
Selenium	<2.0	<2.0	<1.7	<1.7	<2.1	<1.7	<1.8	<1.8	<2.1	<2.0	<1.9	<2.1	<1.8	**1.18**	**0.951**	**1.18**	3.9	36
Silver	<0.41	<0.40	<0.33	<0.35	<0.41	<0.33	<0.36	<0.37	<0.42	<0.39	<0.39	<0.41	<0.36	<0.108	<0.106	<0.097	2	36
Sodium	**120**	**121**	**100**	**105**	**689**	**213**	**147**	**128**	**289**	**107**	**109**	**350**	**166**	**368**	**303**	**315**	NS	NS
Thallium	<4.1	<4.0	<3.3	<3.5	<4.1	<3.3	<3.6	<3.7	<4.2	<3.9	<3.9	<4.1	<3.6	<0.227	<0.224	<.0204	NS	NS
Vanadium	**13.2**	**13.9**	**14.7**	**12.7**	**31.8**	**18.2**	**14.4**	**24.4**	**11.2**	**12.9**	**18.0**	**32.2**	**19.7**	**11.3**	**7.94**	**13.2**	NS	100
Zinc	**14.7**	**12.2**	**16.0**	**26.3**	**274**	**24.6**	**13.8**	**260**	**32.7**	**13.1**	**20.6**	**477**	**45.9**	**16.8**	**14.1**	**31.2**	109	2,200

NA…not available
ND…not detected
mg/kg…milligrams per kilogram
NS…no standard
Shaded values represent concentration exceeding the SCO

Table 5
Water Samples Organic Analytical Results
231-231 Hudson St /501-503 Canal St, New York, NY

Sample Identification	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-X	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	12/16/2010	
Sample Matrix	Water	Water	Water	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds								
Benzene	<500	**12**	<1	<0.7	<10	<1.0	<1	1
Acetone	<13000	<25	<25	<25	<250	<25	<25	50
Bromobenzene	<500	<1	<1	<1	<10	<1.0	<1	5
Bromochloromethane	<500	<1	<1	<1	<10	<1.0	<1	5
Bromodichloromethane	<250	<0.5	<0.5	<0.5	<5	<0.50	<0.5	50
Bromoform	<500	<1	<1	<1	<10	<1.0	<1	50
Bromomethane	<500	<1	<1	<1	<10	<1.0	<1	5
sec-Butylbenzene	<500	**1.1**	<1	<1	<10	<1.0	<1	5
n-Butylbenzene	<500	**2.2**	<1	<1	<10	<1.0	<1	5
tert-Butylbenzene	<500	<1	<1	<1	<10	<1.0	<1	5
2-Butanone	NA	NA	NA	NA	NA	<1.0	NA	50
Carbon disulfide	<2500	<5	<5	<5	<50	<5.0	<5	60
Carbon tetrachloride	<500	<1	<1	<1	<10	<1.0	<1	5
Chlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	5
Chloroethane	<500	<1	<1	<1	<10	<1.0	<1	5
Chloroform	<500	<1	<1	<1	<10	<1.0	<1	7
Chloromethane	<500	<1	<1	<1	<10	<1.0	<1	5
2-Chlorotoluene	<500	<1	<1	<1	<10	<1.0	<1	5
4-Chlorotoluene	<500	<1	<1	<1	<10	<1.0	<1	5
1,2-Dibromo-3-chloropropane	<500	<1	<1	<1	<10	<1.0	<1	0.04
Dibromochloromethane	<250	<0.5	<0.5	<0.5	<5	<1.0	<0.5	50
1,2-Dibromoethane (EDB)	NA	NA	NA	NA	NA	<1.0	NA	0.0006
Dibromomethane	<500	<1	<1	<1	<10	<1.0	<1	5
1,2-Dichlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	3
1,3-Dichlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	3
1,4-Dichlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	3
Dichlorodifluoromethane	<500	<1	<1	<1	<10	<1.0	<1	5
1,1-Dichloroethane	<500	<1	<1	<1	<10	<1.0	<1	5
1,2-Dichloroethane	<500	<1	<1	<0.6	<10	<1.0	<1	0.6
1,1-Dichloroethene	<500	<1	<1	<1	<10	<1.0	<1	5
cis-1,2-Dichloroethene	<500	<1	<1	<1	<10	<1.0	<1	5
trans-1,2-Dichloroethene	<500	<1	<1	<1	<10	<1.0	<1	5
1,3-Dichloropropane	<500	<1	<1	<1	<10	<0.50	<1	5
2,2-Dichloropropane	<500	<1	<1	<1	<10	<1.0	<1	5
1,2-Dichloropropane	<500	<1	<1	<1	<10	<1.0	<1	1
trans-1,3-Dichloropropene	<250	<0.5	<0.5	<0.5	<5	<1.0	<0.5	0.4
1,1-Dichloropropene	<500	<1	<1	<1	<10	<1.0	<1	5
cis-1,3-Dichloropropene	<250	<0.5	<0.5	<0.5	<5	<0.50	<0.5	0.4
Ethylbenzene	**2400**	**21**	<1	<1	**150**	<1.0	<1	5
Hexachlorobutadiene	<200	<0.4	<0.4	<0.4	<4	<0.40	<0.4	5
2-Hexanone	<2500	<5	<5	<5	<50	<5.0	<5	50
Isopropylbenzene	<500	**3.2**	<1	<1	**23**	<1.0	<1	5
4-Isopropyltoluene	NA	NA	NA	NA	NA	<1.0	NA	5
4-Methyl-2-pentanone	<2500	<5	<5	<5	<50	<5.0	<5	NS
Methyl-t-butyl ether	<500	**250**	**2.6**	<1	<10	<1.0	**8.6**	10
Methylene chloride	<500	<1	<1	<1	<10	<1.0	<1	5
Naphthalene	**3000**	**17**	**8**	<1	**280**	<1.0	<1	10
n-Propylbenzene	**690**	**4.1**	<1	<1	**65**	<1.0	<1	5
Styrene	<500	<1	<1	<1	<10	<1.0	<1	5
1,1,2,2-Tetrachloroethane	<250	<0.5	<0.5	<0.5	<5	<0.50	<0.5	5
1,1,1,2-Tetrachloroethane	<500	<1	<1	<1	<10	<1.0	<1	5
Tetrachloroethene	<500	<1	<1	<1	<10	<1.0	<1	5
Toluene	<500	**7.8**	<1	<1	<10	<1.0	<1	5
1,2,3-Trichlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	5
1,2,4-Trichlorobenzene	<500	<1	<1	<1	<10	<1.0	<1	5
1,1,1-Trichloroethane	<500	<1	<1	<1	<10	<1.0	<1	5
1,1,2-Trichloroethane	<500	**2**	<1	<1	<10	<1.0	<1	1
Trichloroethene	<500	<1	<1	<1	<10	<1.0	<1	5
Trichlorofluoromethane	<500	<1	<1	<1	<10	<1.0	<1	5
1,2,3-Trichloropropane	<500	<1	<1	<1	<10	<1.0	<1	0.04
1,2,4-Trimethylbenzene	**8700**	**52**	**21**	<1	**760**	<1.0	<1	5
1,3,5-Trimethylbenzene	**2400**	**12**	**3.8**	<1	**140**	<1.0	<1	5
Vinyl chloride	<500	<1	<1	<1	<10	<1.0	<1	2
m,p-Xylene	**16000**	**52**	**6.1**	<1	**160**	<1.0	<1	5
2-Isopropyltoluene	<500	<1	<1	<1	<10	<1.0	<1	
Acrylonitrile	<2500	<5	<5	<5	<50	<5.0	<5	
p-Isopropyltoluene	<500	**1.6**	<1	<1	<10	<1.0	<1	
Total Xylenes	**22700**	**110**	**9.2**	<1	**160**	<1.0	<1	
trans-1,4-dichloro-2-butene	<2500	**6.7**	<5	<5	<50	<5.0	<5	
Trichlorotrifluoroethane	<500	<1	<1	<1	<10	<1.0	<1	
Tetrahydrofuran (THF)	<2500	<5	<5	<5	<50	<5.0	<5	
o-Xylene	**6700**	**58**	**3.1**	<1	<10	<1.0	<1	5

Total VOCs	62590	612.7	53.8	0	1738	0	8.6	NS
Semivolatile Organic Compounds								
Acenaphthene	<50	<5	<5.3	<5	<5	<5.4	<5.2	20
Acenaphthylene	<50	<0.24	<0.25	<0.24	<0.24	<0.26	<0.25	NS
Anthracene	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
Benzo(a)anthracene	<50	<0.04	<0.042	<0.04	<0.04	<0.043	**0.31**	0.002
Benzo(a)pyrene	<50	**0.025**	<0.016	<0.015	**0.024**	<0.016	**0.34**	NS
Benzo(b)fluoranthene	<50	<0.064	<0.067	<0.064	<0.064	<0.069	**0.42**	0.002
Benzo(g,h,i)perylene	<50	<5	<5.3	<5	<5	<5.0	<5.2	NS
Benzo(k)fluoranthene	<50	<0.24	<0.25	<0.24	<0.24	<0.26	<0.25	0.002
4-Bromophenyl phenyl ether	<50	<5	<5.3	<5	<5	<5.4	<5.2	NS
Butyl benzyl phthalate	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
Carbazole	NA	NA	NA	NA	NA	<5.4	<5.2	NS
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
4-Chloroaniline	<200	<20	<21	<20	<20	<22	<21	5
bis(2-Chloroethoxy)methane	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
bis(2-Chloroethyl)ether	<50	<5	<5.3	<5	<5	<5.4	<5.2	1
bis(2-Chloroisopropyl)ether	<50	<5	<5.3	<5	<5	<5.4	<5.2	NS
2-Chloronaphthalene	<50	<5	<5.3	<5	<5	<5.4	<5.2	10
2-Chlorophenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
4-Chlorophenol phenyl ether	<50	<5	<5.3	<5	<5	<5.4	<5.2	NS
Chrysene	<50	<5	<5.3	<5	<5	<5.4	<5.2	0.002
2-2'-oxybis (1-Chloropropane)	NA	NA	NA	NA	NA	<5.4	<5.2	5
Dibenzo(a,h)anthracene	<50	<0.4	<0.42	<0.4	<0.4	<0.43	<0.42	NS
Dibenzofuran	<50	<5	<5.3	<5	<5	<5.0	<5.2	NS
Di-n-butylphthalate	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
1,2-Dichlorobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	3
1,3-Dichlorobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	3
1,4-Dichlorobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	3
2,4-Dichlorophenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
Diethyl phthalate	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
2,4-Dimethylphenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
Dimethyl phthalate	<50	<5	<5.3	<5	<5	<5.4	<5.2	NS
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
2,4-Dinitrophenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
3,3'-Dichlorobenzidene	<200	<20	<21	<20	<20	<22	<21	5
2,4-Dinitrotoluene	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
2,6-Dinitrotoluene	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
Di-n-octylphthalate	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
bis(2-Ethylhexyl)phthalate	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
Fluoranthene	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
Fluorene	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
Hexachlorobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	0.04
Hexachlorobutadiene	<50	<5	<5.3	<5	<5	<5.0	<5.2	0.5
Hexachlorocyclopentadiene	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
Hexachloroethane	<50	<5	<5.3	<5	<5	<5.0	<5.2	5
Indeno(1,2,3-cd)pyrene	<50	<0.4	<0.42	<0.4	<0.4	<0.43	<0.42	0.002
Isophorone	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
2-Methylnaphthalene	**2300**	<5	<5.3	<5	**35**	<5.4	<5.2	NS
2-Methylphenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
3,4-Methylphenol	NA	NA	NA	NA	NA	<5.4	<5.2	NS
Naphthalene	**2700**	**6.8**	<5.3	<5	**200**	<5.4	<5.2	10
2-Nitroaniline	<500	<50	<53	<50	<50	<54	<52	5
3-Nitroaniline	<500	<50	<53	<50	<50	<54	<52	5
4-Nitroaniline	<500	<50	<53	<50	<50	<54	<52	5
Nitrobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	0.4
4-Nitrophenol	NA	<5	<5.3	<5	<5	<5.4	<5.2	1
2-Nitrophenol	NA	<5	<5.3	<5	<5	<5.4	<5.2	1
N-Nitrosodiphenylamine	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
N-Nitrosodi-n-propylamine	<50	<5	<5.3	<5	<5	<5.4	<5.2	NS
Pentachlorophenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
Perchlorate	NA	NA	NA	NA	NA	<5.4	<5.2	18
Phenanthrene	<50	<0.24	<0.25	<0.24	<0.24	<0.26	**0.32**	50
Phenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
Pyrene	<50	<5	<5.3	<5	<5	<5.4	<5.2	50
1,2,4-Trichlorobenzene	<50	<5	<5.3	<5	<5	<5.4	<5.2	5
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	<5.4	<5.2	1
1,2-Diphenylhydrazine	<50	<5	<5.3	<5	<5	<5.0	<5.2	
Benzidine	<200	<20	<21	<20	<20	<22	<21	
Benzoic acid	<500	<50	<53	<50	<50	<54	<52	
Benzyl alcohol	<50	<20	<21	<20	<20	<22	<21	
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	1
Total SVOCs	5000	6.825	0	0	235.024	0	1.39	NS

NS…No Standard

ug/L…micrograms per Liter

ND…not detected

Shaded values represent concentration exceeding the GQS

This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

Table 6

Soil Vapor Analytical Results

231-239 Hudson Street, New York, NY

Sample Identification	SV-1	SV-6	SV-2	SV-4	SV-5	NYSDOH Background Standards [1]
Sample Date	7/29/2011	7/29/2011	7/29/2011	7/29/2011	7/29/2011	
Units	ug/m	ug/m	ug/m	ug/m	ug/m	Indoor[2]
Volatile Organic Compounds (µg/kg)						
1,1,1-Trichloroethane	<0.71	<0.30	<0.43	<0.43	<0.49	<0.25 - 1.1
1,1,2,2-Tetrachloroethane	<0.95	<0.40	<0.58	<0.57	<0.65	<0.25
1,1,2-Trichloroethane	<0.98	<0.42	<0.60	<0.60	<0.68	<0.25
1,1-Dichloroethene	<0.47	<0.20	<0.29	<0.29	<0.33	<0.25
1,1-Dichloroethylene	<0.59	<0.25	<0.36	<0.36	<0.41	NS
1,2,4-Trichlorobenzene	<0.87	<0.37	<0.53	<0.53	<0.60	<0.25
1,2,4-Trimethylbenzene	<0.47	<0.20	<0.29	<0.29	<0.33	0.69 - 4.3
1,2-Dichlorobenzene	<0.98	<0.42	<0.60	<0.60	<0.68	<0.25
1,2-Dichloroethane	<0.95	<0.40	<0.58	<0.57	<0.65	<0.25
1,2-Dichloropropane	<0.87	<0.37	<0.53	<0.53	**5.1**	<0.25
1,2-Dichlorotetrafluoroethane	<0.67	<0.29	<0.41	**6.7**	<0.46	25 - 75
1,3,5-Trimethylbenzene	<0.51	<0.22	**2.6**	<0.31	**2.7**	0.27 -1.7
1,3-Butadiene	<0.59	<0.25	<0.36	<0.36	<0.41	NS
1,3-Dichlorobenzene	<0.71	<0.30	<0.43	<0.43	<0.49	<0.25
1,4-Dichlorobenzene	<0.87	<0.37	<0.53	<0.53	<0.60	<0.25 - 0.54
1,4-Dioxane	<3.5	<1.5	<2.2	<2.2	<2.4	NS
113 Freon	<0.28	<0.12	<0.17	<0.17	<0.19	NS
2,2,4-Trimethylpentane	<0.47	<0.20	<0.29	<0.29	**6**	NS
2-Butanone	**58**	**90**	**330**	**400**	**790**	NS
2-Hexanone	<2.2	<0.93	**72**	**63**	**110**	NS
3-Chloropropene	<0.71	<0.30	<0.43	<0.43	<0.49	NS
4-mythyl-2-pentanone	<1.4	<0.61	**2.6**	<0.86	**7**	NS
Acetone*	**260**	**70**	**94**	**120**	**190**	10 - 52
Benzene	<0.59	<0.25	<0.36	<0.36	<0.41	1.1 - 5.9
Benzyl chloride	<0.47	<0.20	<0.29	<0.29	<0.33	NS
Bromodichloromethane	<0.95	<0.40	<0.58	<0.57	<0.65	NS
Bromoform	<0.71	<0.30	<0.43	<0.43	<0.49	NS
Bromomethane	<0.47	<0.20	<0.29	<0.29	<0.33	<0.25
Carbon Disulfide	<0.47	<0.20	<0.29	<0.29	<0.33	NS
Carbon tetrachloride	<0.47	<0.20	<0.29	<0.29	<0.33	<0.25 - 0.59
Chlorobenzene	<0.71	<0.30	<0.43	<0.43	<0.49	<0.25
Chloroethane	<0.47	<0.20	<0.29	<0.29	<0.33	NS
Chloroform	<0.59	<0.25	<0.36	<0.36	<0.41	<0.25 - 0.54
Chloromethane	**30**	**36**	**59**	**2.9**	**130**	<0.25 - 1.8
cis-1,2-Dichloroethylene	**10**	<0.29	<0.41	<0.41	<0.46	NS
cis-1,3-Dichloropropylene	<0.98	<0.42	<0.60	<0.60	<0.68	NS
Cyclohexane	<0.47	**2**	**4.8**	**5.3**	**17**	<0.25 - 2.6
Dichlorodifluoromethane	<0.98	<0.42	<0.60	**6.7**	<0.68	<0.25 - 4.1

Ethyl acetate	**64**	**7.6**	<0.60	**2.4**	<0.68	NS
Ethylbenzene	<0.71	<0.30	<0.43	<0.43	<0.49	0.41 - 2.8
Hexachlorobutadiene	<0.71	<0.30	<0.43	<0.43	<0.49	NS
Isopropanol	**8.7**	**3.7**	**3.4**	<0.84	**4.3**	NS
m + p-Xylene	<1.3	<0.57	<0.82	<0.81	<0.92	0.50 - 4.6
Methylene chloride	<0.95	<0.40	<0.58	<0.57	<0.65	0.31 - 6.6
Methyl-Tert-Butyl-Ether	<0.47	<0.20	<0.29	<0.29	**24**	<0.25 - 5.6
n-Heptane	<0.47	<0.20	<0.29	<0.29	**3.3**	1.0 - 7.6
n-Hexane	<0.47	**2.2**	**2.6**	<0.29	**5.1**	0.63 - 6.0
o-Xylene	<0.71	<0.30	<0.43	<0.43	<0.49	0.39 - 3.1
p-Ethyltoluene	<0.71	<0.30	<0.43	<0.43	<0.49	NS
Propylene	**5.1**	**16**	**15**	**13**	**11**	NS
Styrene	<0.71	<0.30	<0.43	<0.43	<0.49	<0.25 - 0.64
Tetrachloroethylene	**5.1**	**4.2**	**16**	<0.29	**3.5**	NS
Tetrahydrofuran	<0.98	<0.42	<0.60	<0.60	<0.68	<0.25 - 0.35
Toluene	**4.7**	**2.9**	<0.58	<0.57	<0.65	3.5 - 24.8
trans-1,2-Dichloroethylene	<0.47	<0.20	<0.29	<0.29	<0.33	NS
trans-1,3-Dichloropropylene	<0.71	<0.30	<0.43	<0.43	<0.49	NS
Trichloroethylene	<0.47	<0.20	**28**	**1.9**	<0.33	NS
Trichlorofluoromethane	<0.24	<0.10	<0.14	<0.14	<0.16	1.1 - 5.4
Vinyl acetate	<0.59	<0.25	<0.36	<0.36	3.5	NS
Vinyl bromide	<0.59	<0.25	<0.36	<0.36	<0.41	NS
Vinyl chloride	**3.9**	<0.40	<0.58	<0.57	<0.65	<0.25

[1]Summary of Indoor and Outdoor Levels of Volatile Organic Compounds From Fuel Oil Heated Homes in NYS, 1997 to 2003. Unpublished. New York State Department of Health, Bureau of Toxic Substance Assessment. http://www.nyhealth.gov/environmental/indoors/air/fuel_oil.htm

[2]The ranges provided in the table represent the 25th percentile to 75th percentile, (middle half), of the results and are labeled as background. A single value is the minimum reporting limit for that compound, and indicates that more than 75% of the data are below the detection limit. This database is comprised of air testing results from homes where there were no known sources of chemicals or chemical spills.

ND – Not Detected NS – No Standard *…Associated with laboratory contamination

All reported values are in microgram per cubic meter (mcg/m^3)

< Means "less than." The number following a "less than sign" (<) is the lowest level the laboratory test can reliably measure (reporting limit).

Shaded values represent concentration exceeding NYSDOH Background Standards

*… Laboratory contamnination

Table-7
Analytical Methods Summary Table
231-239 Hudson/501-503 Canal St, Manhattan, NY

Matrix	Number of Samples	Analytical Parameters Used	Analytical Methods
Soil	52	VOCs, SVOCs, PCBs/Pesticides, TAL Metals	EPA Method 8260, EPA Method 8270BN, EPA Method 8081/8082
Groundwater	12	VOCs, SVOCs	EPA Method 8260, EPA Method 8270BN
Soil Vapor	5	VOCs	TO-15

APPENDICES

APPENDIX-A

APRIL 2008 GROUNDWATER INVESTIGATION REPORT (CD-ROM)

APPENDIX-B

MARCH 2010 SUBSURFACE INVESTIGATION REPORT (CD-ROM)

APPENDIX-C

JANUARY 2010 SUPPLEMENTAL OFF-SITE INVESTIGATION REPORT (CD-ROM)

APPENDIX-D

JULY 2011 INVESTIGATION WORK PLAN (CD-ROM)

APPENDIX-E

FEBRUARY 2008 PHASE-I REPORT (CD-ROM)

APPENDIX-F

PHOTOGRAPHS

2011/07/26

2011/07/26

APPENDIX-G

SOIL BORING LOGS

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Soil Probe Log

Job No:

Date: 3/27/2008

Location: 231-239 Hudson Street
New York, NY

Boring No.: SP-1

Drilling Method: Direct push

Total Depth: 16 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Carlos

Depth to Water: 16

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Dark brown, medium grained sand with fill material (red bric pieces, concrete pieces).
-2	0.0	SP	S.A.B.
-4	0.0	SP	Dark brown, medium grained soil with rocks and brick pieces.
-6	0.0	SP	S.A.B.
-8	0.0	SP	S.A.B.
-10	0.0	SP	S.A.B.
-12	0.0	SP	Black, medium soil with clayey soil.
-14	0.0	SP	S.A.B. No rocks. Slight PT odor.
-16			

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Soil Probe Log

Job No:		Date: 3/31/2008	Page: 1 of 1
Location:	501 Canal Street-basement New York, NY		Sampling Interval: 2 Feet Sampling Method: Grab
Boring No.:	SP-2		Driller: Carlos
Drilling Method:	Direct push		Depth to Water: 16
Total Depth:	2 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Dark brown medium grained sand with fill material.
-2			

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Soil Probe Log

Job No:

Date: 3/31/2008

Location: 231-239 Hudson Street
New York, NY

Boring No.: SP-3

Drilling Method: Direct push

Total Depth: 16 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Carlos

Depth to Water: 16

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown, fine to medium sand with fill material.
-2	0.0	SP	S.A.B.
-4	0.0	SP	S.A.B.
-6	43.6	SP	Brown, coarse grained sand with rocks.
-8	57.4	SP	S.A.B. Slight PT odor.
-10	125.7	SP	S.A.B. PT odor.
-12	16.5	SP	S.A.B. Slight PT odor.
-14	0.0	SP	Dark brown, fine grained clayey soil.
-16			

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Soil Probe Log

Job No:

Date: 3/27/2008

Location: 231-239 Hudson Street
New York, NY

Boring No.: SP-4

Drilling Method: Direct push

Total Depth: 16 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Carlos

Depth to Water: 16

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown, medium sand with fill material.
-2	0.0	SP	S.A.B.
-4	0.0	SP	Reddish-brown, medium soil with rocks.
-6	0.0	SP	S.A.B.
-8	0.0	SP	Dark brown, medium soil.
-10	0.0	SP	S.A.B.
-12	0.0	SP	Dark brown, fine grained clayey sand. Slightly moist.
-14	0.0	SP	S.A.B. Moist.
-16			

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Soil Probe Log

Job No:

Date: 3/27/2008

Location: 231-239 Hudson Street
New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-5

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown sand with red brick.
-2	0.0	SP	Dark fine sand with rocks.
-4	0.0	SP	S.A.B.
-6	58.12	SP	Dark brown coarse sand with rocks. Gasoline odor.
-8	459	SP	Dark brown sand with rocks. Very strong gasoline odor.
-10	42.7	SP	Dark brown silty sand. Slight gasoline odor.
-12	0.0	SP	Dark brown clayey sand. No PT odor.
-14	0.0	SP	S.A.B. Moist.
-16			

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Soil Probe Log

Job No:

Date: 3/28/2008

Page: 1 of 1

Location: 231-239 Hudson Street, New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-6

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Black medium sand with rocks. Poor Recovery.
-2	0.0	SP	No recovery.
-4	0.0	SP	Brown to black medium sand with rocks.
-6	64.0	SP	S.A.B.
-8	149	SP	Black medium soil with some rocks. Gasoline odor.
-10	892	SP	S.A.B. With rocks and red brick pieces. Very strong gasoline odor.
-12	268	SP	Brown to black coarse sand with rocks. Gasoline odor.
-14	14.8	SP	S.A.B. Moist soil.
-16			

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Soil Probe Log

Job No:

Date: 3/27/2008

Location: 231-239 Hudson Street
New York, NY

Boring No.: SP-7

Drilling Method: Direct push

Total Depth: 16 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Carlos

Depth to Water: 16

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown, medium sand with fill material (brick, concrete pieces and wood)
-2	0.0	SP	S.A.B.
-4	0.0	SP	Dark brown, medium sand with some rocks.
-6	56.2	SP	S.A.B. with some rocks. Slight gasoline odor.
-8	698	SP	S.A.B. Silty sand with strong gasoline odor.
-10	245.0	SP	Dark brown, fine clayey soil. Gasoline odor.
-12	14.0	SP	S.A.B. Very faint odor.
-14	0.0	SP	Brown, fine clayey sand. Moist.
-16			

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Soil Probe Log

Job No:

Date: 3/28/2008

Page: 1 of 1

Location: 231-239 Hudson Street, New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-8

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Dark brown, medium grained sand with fill material (red bric pieces, concrete pieces).
-2	0.0	SP	Dark brown, medium grained sand.
-4	0.0	SP	Brown, medium grained soil with rocks.
-6	10.6	SP	S.A.B.
-8	159	SP	Brown soil with rocks. PT odor
-10	241.3	SP	S.A.B.PT odor
-12	56.3	SP	Brown, medium grained clayey soil. Slight PT odor
-14	0.0	SP	S.A.B. No rocks.
-16			

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Soil Probe Log

Job No:

Date: 3/27/2008

Location: 231-239 Hudson Street
New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-9

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown, coarse sand with fill material.
-2	0.0	SP	S.A.B.
-4	0.0	SP	S.A.B.
-6	0.0	SP	S.A.B.
-8	1,328	SP	Black, fine soil. Very strong gasoline odor.
-10	1,845	SP	Very dark, clayey sand with little rocks. Very strong gasoline odor.
-12	45.90	SP	Dark brown, fine grained clayey soil.
-14	0.0	SP	Black, fine silty /clayey soil. Moist.
-16			

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Soil Probe Log

Job No:		Date: 3/27/2008	Page: 1 of 1
Location:	231-239 Hudson Street New York, NY		Sampling Interval: 2 Feet Sampling Method: Grab
Boring No.:	SP-10		Driller: Carlos
Drilling Method:	Direct push		Depth to Water: 16
Total Depth:	16 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown medium sand with rocks (fill material poor recovery)
-2	0.0	SP	S.A.B. Rocks only
-4	0.0	SP	Brown, medium soil with rocks.
-6	0.0	SP	Dark brown, medium soil with red brick pieces and rocks.
-8	0.0	SP	S.A.B.
-10	0.0	SP	S.A.B.
-12	0.0	SP	S.A.B.
-14	0.0	SP	S.A.B. Moist.
-16			

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Soil Probe Log

Job No:

Date: 3/31/2008

Location: 231-239 Hudson Street
New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-11

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown fine sand with fill material.
-2	0.0	SP	S.A.B.
-4	0.0	SP	Dark brown, coarse sand with some rocks.
-6	14.9	SP	S.A.B.
-8	256	SP	Dark brown, coarse sand. Bit moist. Petroleum odor.
-10	59	SP	S.A.B. Slight PT odor.
-12	0.0	SP	Dark brown to black, fine clayey sand.
-14	0.0	SP	S.A.B. Moist.
-16			

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Soil Probe Log

Job No:		Date: 3/31/2008	Page: 1 of 1
Location:	231-239 Hudson Street New York, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-12	Driller:	Carlos
Drilling Method:	Direct push	Depth to Water:	16
Total Depth:	16 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown fine sand with fill material.
-2	0.0	SP	Brown, fine sand with rocks.
-4	0.0	SP	S.A.B.
-6	0.0	SP	Brown, medium to coarse sand, moist.
-8	0.0	SP	Brown coarse sand.
-10	0.0	SP	S.A.B.
-12	0.0	SP	Dark brown, fine clayey sand.
-14	0.0	SP	S. A.B. Moist soil.
-16			

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Soil Probe Log

Job No:		Date: 3/31/2008	Page: 1 of 1
Location:	501 Canal Street-basement New York, NY		Sampling Interval: 2 Feet Sampling Method: Grab
Boring No.:	SP-13		Driller: Carlos
Drilling Method:	Direct push		Depth to Water: 16
Total Depth:	2 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Dark brown, coarse grained sand with rocks.
-2			

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Soil Probe Log

Job No:

Date: 3/28/2008

Location: 503 Canal Street, New York, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-14

Driller: Carlos

Drilling Method: Direct push

Depth to Water: 16

Total Depth: 16 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete. Brown, medium sand with fill material (brick, concrete pieces and wood)
-2	0.0	SP	S.A.B.
-4	0.0	SP	Dark brown, medium sand with some rocks.
-6	0.0	SP	S.A.B. with some rocks.
-8	0.0	SP	S.A.B. Silty sand.
-10	0.0	SP	Dark brown, fine clayey soil.
-12	0.0	SP	S.A.B.
-14	0.0	SP	Brown, fine clayey sand. Moist.
-16			

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Soil Probe Log

Job No:		Date: 3/28/2008	Page: 1 of 1
Location:	503 Canal Street New York, NY		Sampling Interval: 2 Feet Sampling Method: Grab
Boring No.:	SP-14		Driller: Carlos
Drilling Method:	Direct push		Depth to Water: 16
Total Depth:	16 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Brown, medium to coarse sand with fill material (brick, concrete, rocks)
-2	0.0	SP	No recovery
-4	0.0	SP	Light brown-tan coarse sand with rocks.
-6	0.0	SP	S.A.B.
-8	0.0	SP	Brown, coarse sand with rocks.
-10	0.0	SP	Brown, medium grained sand with fill material.
-12	0.0	SP	S.A.B.
-14	0.0	SP	Grey fine grained clayey soil. Moist.
-16			

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-16

Driller: Armando

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SW	Dark brown soil, brick, ash
-2	0.0	SW	Brown, dark brown soil, stone, fill material
-4	0.0	SW	Brown sand, fill material
-6	0.0	SW	Gray sand, fill material, petroleum odor
-8	794	SW	Brown watery sand, stone, water table
-10			

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Soil Probe Log

Job No:		Date: 12/28/2010	Page: 1 of 1
Location:	231-239 hudson Street NY, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-17	Driller:	Armando
Drilling Method:	Direct Push	Depth to Water:	N/A
Total Depth:	10 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SW	Brick fragments, brown sand
-2	0.0	SW	Ash, brown sand, brick
-4	0.0	SW	Ash, brick, dark brown sand
-6	0.0	SW	Brown sand, brick, stone
-8	0.0	SW	Brown watery sand. Water Table
-10			

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-18

Driller: Armando

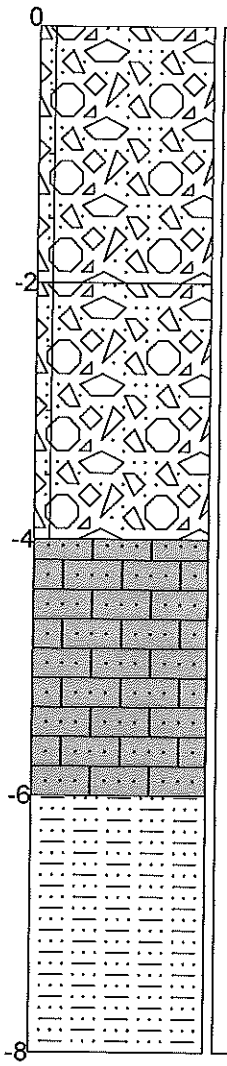
Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 8 Feet

USCS SYMBOLS

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



Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
	0.0	SW	Brown sand, brick
	0.0	SW	Brick, rock, brown sand
	0.0	SW	Brown sand with gray hues, brick
	15	SW	Brown watery sand. Water Table

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-19

Driller: Armando

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SW	Brown soil, stone, brick, ash
-2	0.0	SW	Brown soil, stone, brick, ash
-4	0.0	SW	Brown soil, stone
-6	0.0	SW	Brown moist soil, stones
-8	0.0	SW	Water Table
-10			

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Boring No.: SP-20

Drilling Method: Direct Push

Total Depth: 10 Feet

Sampling Interval: 2 Feet

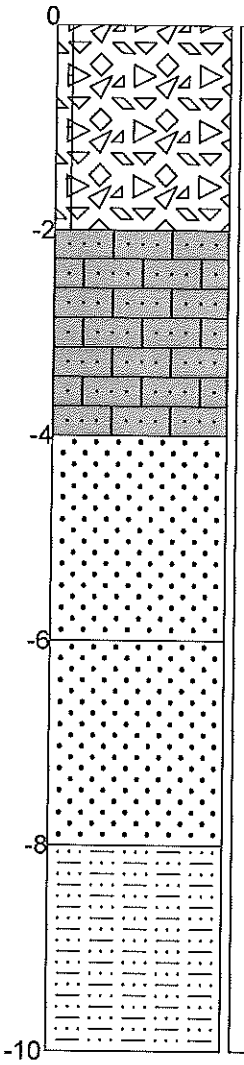
Sampling Method: Grab

Driller: Armando

Depth to Water: N/A

USCS SYMBOLS

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



Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
	0.0	SW	Brown sand, fill material
	0.0	SW	Dark brown soil, brick
	0.0	SW	Brown soil
	0.0	SW	Brown moist soil with gray hues
	0.0	SW	Water Table

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Boring No.: SP-21

Drilling Method: Direct Push

Total Depth: 10 Feet

Sampling Interval: 2 Feet

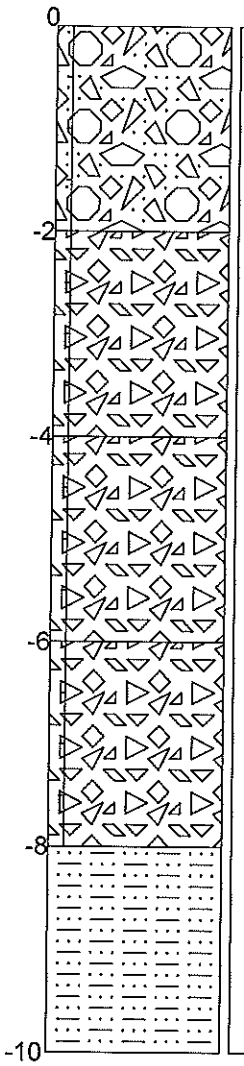
Sampling Method: Grab

Driller: Armando

Depth to Water: N/A

USCS SYMBOLS

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



Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
	0.0	SW	Brown sand, brick
	0.0	SW	Brick, fill material
	0.0	SW	Brick, fill material, brown sand
	0.0	SW	S.A.B
	0.0	SW	Water Table

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Soil Probe Log

Job No:

Date: 12/28/2010

Location: 231-239 hudson Street NY, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-22

Driller: Armando

Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 Feet

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SW	Concrete, medium brown sand
-2	0.0	SW	Reddish brown medium grained sand
-4	0.0	SW	S.A.B
-6	0.0	SW	S.A.B
-8	0.0	SW	Reddish brown watery sand. Water table
-10			

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Soil Probe Log

Job No:		Date: 12/28/2010	Page: 1 of 1
Location:	231-239 hudson Street NY, NY	Sampling Interval:	2 Feet
		Sampling Method:	Grab
Boring No.:	SP-23	Driller:	Armando
Drilling Method:	Direct Push	Depth to Water:	N/A
Total Depth:	10 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SW	Concrete, medium brown sand
-2	0.0	SW	Reddish brown medium grained sand
-4	0.0	SW	S.A.B
-6	0.0	SW	S.A.B
-8	0.0	SW	Reddish brown watery sand. Faint odor. Water Table
-10			

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Soil Probe Log

Job No:

Date: 2/15/2010

Location: 231-239 hudson Street NY, NY

Sampling Interval: 2 Feet

Sampling Method: Grab

Boring No.: SP-24

Driller: Armando

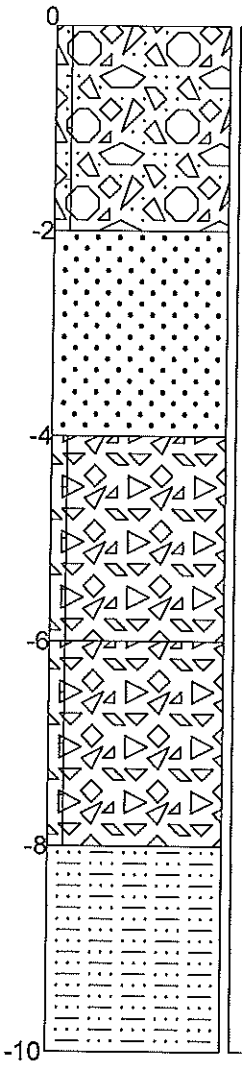
Drilling Method: Direct Push

Depth to Water: N/A

Total Depth: 10 Feet

USCS SYMBOLS

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



Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
	0.0	SW	Concrete, medium brown sand
	0.0	SW	Reddish brown medium grained sand
	0.0	SW	S.A.B
	0.0	SW	S.A.B
	0.0	SW	Reddish brown watery sand. Faint odor. Water Table

Hydro Tech Environmental, Corp.

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Commack, New York 11725
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Soil Probe Log

Job No:		Date: 2/15/2010	Page: 1 of 1
Location:	231 Hudson Street New York, NY		Sampling Interval: 2 Feet Sampling Method: Grab
Boring No.:	SP-25		Driller: Cameron
Drilling Method:	Direct push		Depth to Water: N/A
Total Depth:	10 Feet		

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	Concrete, medium brown sand
-2	0.0	SP	Reddish brown medium sand
-4	0.0	SP	S.A.B
-6	0.0	SP	Reddish brown, watery sand. Water Table
-8	0.0	SP	Reddish brown, watery sand
-10			

Hydro Tech Environmental, Corp.

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Soil Probe Log

Job No:

Date: 10/9/11

Location: 231 Hudson Street and 501 Canal Street
New York, NY

Boring No.: SP-28

Drilling Method: Direct Push

Total Depth: 30 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Efrain

Depth to Water: N/A

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	sand and fill material
-2	0.0	SP	dry sand with pebbles, no odor
-4	0.0	SP	dark brown soil
-6	0.0	SP	dark brown soil, odor
-8	0.0	SP	dark brown soil, odor
-10	0.0	SP	dark brown soil, odor
-12	0.0	SP	dark brown soil, odor
-14	0.0	SP	wet dark brown soil, no odor
-16	0.0	SP	wet dark brown soil, no odor
-18	0.0	SP	wet dark brown soil, no odor
-20	0.0	SP	wet sandy soil, odor
-22	0.0	SP	wet sandy soil, odor
-24	0.0	SP	wet sandy soil, odor
-26	0.0	SP	wet sandy soil, odor
-28	0.0	SP	wet sandy soil, odor
-30			

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Soil Probe Log

Job No:

Date: 10/9/11

Location: 231 Hudson Street and 501 Canal Street
New York, NY

Boring No.: SP-29

Drilling Method: Direct Push

Total Depth: 30 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Efrain

Depth to Water: N/A

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	fill material with pebbles
-2	0.0	SP	fill material with pebbles
-4	0.0	SP	soil mixed with fill material
-6	0.0	SP	wet soil, no odor
-8	0.0	SP	wet soil, no odor
-10	0.0	SP	wet soil, odor
-12	0.0	SP	dark blackish soil, odor
-14	0.0	SP	wet grey soil, odor
-16	0.0	SP	wet sandy soil, no odor
-18	0.0	SP	wet grey soil, odor
-20	0.0	SP	wet sandy soil, odor
-22	0.0	SP	wet sandy soil, odor
-24	0.0	SP	wet sandy soil, odor
-26	0.0	SP	wet sandy soil, odor
-28	0.0	SP	wet sandy soil, odor
-30			

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Soil Probe Log

Job No:

Date: 10/9/11

Location: 231 Hudson Street and 501 Canal Street
New York, NY

Boring No.: SP-30

Drilling Method: Direct Push

Total Depth: 30 Feet

Sampling Interval: 2 Feet

Sampling Method: Grab

Driller: Efrain

Depth to Water: N/A

USCS SYMBOLS

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

Depth Below Grade and Lithology	PID Reading (ppm)	USCS	Soil Description
0	0.0	SP	fill material with pebbles
-2	0.0	SP	brown sandy soil, no odor
-4	0.0	SP	brown sand
-6	0.0	SP	brown sandy soil
-8	0.0	SP	wet dark brown soil, odor
-10	0.0	SP	wet dark brown soil, odor
-12	0.0	SP	wet brown soil, odor
-14	0.0	SP	wet brown soil, odor
-16	0.0	SP	wet brown soil, odor
-18	0.0	SP	wet brown soil, odor
-20	0.0	SP	dark brown soil, no odor
-22	0.0	SP	dark brown soil, no odor
-24	0.0	SP	dark brown soil, no odor
-26	0.0	SP	dark brown soil, no odor
-28	0.0	SP	dark brown soil, no odor
-30			

APPENDIX-H

LABORATORY DATA DELIVERABLES FOR SOIL ANALYTICAL DATA

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Report Date: 08/04/2011
Client Project ID: 110150 231 Hudson St.
York Project (SDG) No.: 11H0035

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 08/04/2011
Client Project ID: 110150 231 Hudson St.
York Project (SDG) No.: 11H0035

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on July 28, 2011 and listed below. The project was identified as your project: **110150 231 Hudson St.**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11H0035-01	SP-28	Soil	07/26/2011	07/28/2011
11H0035-02	SP-29	Soil	07/26/2011	07/28/2011
11H0035-03	SP-30	Soil	07/26/2011	07/28/2011

General Notes for York Project (SDG) No.: 11H0035

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 08/04/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.96	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.57	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.96	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
67-66-3	Chloroform	ND		ug/kg dry	0.93	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.90	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.0	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.98	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-09-2	**Methylene chloride**	**16**	J, B	ug/kg dry	2.7	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.83	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.65	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	36	2	EPA SW846-8260B	08/04/2011 07:15	08/04/2011 07:15	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*89.1 %*	*86.6-116*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	109	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	87.3	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	95.0	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	68.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	54.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	97.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	81.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	64.0	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	168	399	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	87.3	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	95.0	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	116	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	69.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	73.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	68.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	89.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	50.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	72.3	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	151	399	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	83.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	78.8	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	57.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	66.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	72.1	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
83-32-9	Acenaphthene	ND		ug/kg dry	116	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
62-53-3	Aniline	ND		ug/kg dry	71.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
120-12-7	Anthracene	ND		ug/kg dry	49.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	77.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
50-32-8	**Benzo(a)pyrene**	**66.6**	J	ug/kg dry	52.0	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	75.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	60.0	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
207-08-9	**Benzo(k)fluoranthene**	**78.6**	J	ug/kg dry	77.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/kg dry	64.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	83.2	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	73.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	67.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	74.1	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	66.8	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
218-01-9	Chrysene	ND		ug/kg dry	80.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	64.4	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	105	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	57.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	59.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	89.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
206-44-0	Fluoranthene	ND		ug/kg dry	116	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
86-73-7	Fluorene	ND		ug/kg dry	55.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	79.8	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	148	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	71.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	73.5	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
78-59-1	Isophorone	ND		ug/kg dry	74.1	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
91-20-3	Naphthalene	ND		ug/kg dry	59.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	89.7	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	72.1	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	52.1	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	116	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	55.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
85-01-8	**Phenanthrene**	**106**	J	ug/kg dry	73.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
108-95-2	Phenol	ND		ug/kg dry	79.8	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
129-00-0	**Pyrene**	**136**	J	ug/kg dry	71.6	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD
110-86-1	Pyridine	ND		ug/kg dry	77.9	199	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:04	TD

	Surrogate Recoveries	Result		Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*27.7 %*		*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*32.9 %*		*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*28.9 %*		*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*27.8 %*	*S-BN*	*30-130*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	*Surrogate: Phenol-d5*	*27.0 %*			*15-110*						
1718-51-0	*Surrogate: Terphenyl-d14*	*36.8 %*			*30-130*						

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.76	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.26	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.77	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
309-00-2	Aldrin	ND		ug/kg dry	2.52	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.98	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.45	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.45	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.45	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.45	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.45	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.14	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.14	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.49	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.8	15.8	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.15	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.33	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.91	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.42	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.02	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
72-20-8	Endrin	ND		ug/kg dry	2.39	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.66	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.74	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.15	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	3.95	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.2	19.7	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.14	20.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:10	JW
8001-35-2	Toxaphene	ND		ug/kg dry	395	395	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:16	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*70.4 %*	*30-150*

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-28** **York Sample ID:** **11H0035-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*84.5 %*			*30-150*						

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3380**		mg/kg dry	1.51	2.39	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-36-0	Antimony	ND		mg/kg dry	0.168	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-38-2	**Arsenic**	**0.819**		mg/kg dry	0.227	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-39-3	**Barium**	**11.3**		mg/kg dry	0.287	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.010	0.012	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.156	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-70-2	**Calcium**	**292**		mg/kg dry	0.052	2.39	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-47-3	**Chromium**	**9.86**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-48-4	**Cobalt**	**3.10**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-50-8	**Copper**	**5.10**		mg/kg dry	0.168	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7439-89-6	**Iron**	**6100**		mg/kg dry	0.658	1.20	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7439-92-1	**Lead**	**3.32**		mg/kg dry	0.120	0.359	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7439-95-4	**Magnesium**	**1310**		mg/kg dry	0.981	2.39	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7439-96-5	**Manganese**	**44.9**		mg/kg dry	0.096	1.20	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-02-0	**Nickel**	**11.1**		mg/kg dry	0.084	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-09-7	**Potassium**	**609**		mg/kg dry	3.25	12.0	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7782-49-2	**Selenium**	**1.18**		mg/kg dry	0.252	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-22-4	Silver	ND		mg/kg dry	0.108	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-23-5	**Sodium**	**368**		mg/kg dry	8.04	12.0	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-28-0	Thallium	ND		mg/kg dry	0.227	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-62-2	**Vanadium**	**11.3**		mg/kg dry	0.096	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW
7440-66-6	**Zinc**	**16.8**		mg/kg dry	0.084	0.598	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:00	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-28 **York Sample ID:** 11H0035-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.116	0.120	1	EPA SW846-7471	08/02/2011 11:50	08/02/2011 11:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**83.6**		%	0.100	0.100	1	SM 2540G	08/02/2011 14:50	08/02/2011 14:50	AA

Sample Information

Client Sample ID: SP-29 **York Sample ID:** 11H0035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.94	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.4	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.56	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.94	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.8	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-29** **York Sample ID:** **11H0035-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
71-43-2	Benzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-25-2	Bromoform	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
74-83-9	Bromomethane	ND		ug/kg dry	3.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.9	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
67-66-3	Chloroform	ND		ug/kg dry	0.92	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.4	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.89	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.99	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**3.7**	J	ug/kg dry	0.97	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-09-2	**Methylene chloride**	**24**	B	ug/kg dry	2.7	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.3	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.82	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
95-47-6	o-Xylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.4	24	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.64	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
100-42-5	Styrene	ND		ug/kg dry	1.1	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-29 **York Sample ID:** 11H0035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	0.59	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	12	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.7	35	2	EPA SW846-8260B	08/04/2011 07:51	08/04/2011 07:51	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*91.7 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*106 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*90.4 %*	*86.6-116*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	107	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	86.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	93.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	67.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	53.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	96.2	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	80.4	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	63.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	165	393	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	86.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	93.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	60.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	115	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	68.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
95-48-7	2-Methylphenol	ND		ug/kg dry	72.4	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	67.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	88.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	49.6	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	71.3	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	149	393	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	82.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-29** **York Sample ID:** **11H0035-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	21.2	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	77.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	56.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	65.3	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	71.2	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
83-32-9	Acenaphthene	ND		ug/kg dry	114	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	55.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
62-53-3	Aniline	ND		ug/kg dry	70.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
120-12-7	**Anthracene**	**77.1**	J	ug/kg dry	48.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
56-55-3	**Benzo(a)anthracene**	**300**		ug/kg dry	76.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
50-32-8	**Benzo(a)pyrene**	**297**		ug/kg dry	51.3	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
205-99-2	**Benzo(b)fluoranthene**	**256**		ug/kg dry	74.9	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
191-24-2	**Benzo(g,h,i)perylene**	**158**	J	ug/kg dry	59.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
207-08-9	**Benzo(k)fluoranthene**	**371**		ug/kg dry	76.2	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	63.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	82.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	72.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	66.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	73.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	65.9	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
218-01-9	**Chrysene**	**304**		ug/kg dry	79.3	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	63.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	103	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	56.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	58.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	88.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
206-44-0	**Fluoranthene**	**553**		ug/kg dry	114	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
86-73-7	Fluorene	ND		ug/kg dry	55.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	32.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	146	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	70.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
193-39-5	**Indeno(1,2,3-cd)pyrene**	**152**	J	ug/kg dry	72.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
78-59-1	Isophorone	ND		ug/kg dry	73.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-29** **York Sample ID:** **11H0035-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	58.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	88.5	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	71.2	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	51.4	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	114	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	55.1	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
85-01-8	**Phenanthrene**	**367**		ug/kg dry	72.6	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
108-95-2	Phenol	ND		ug/kg dry	78.7	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
129-00-0	**Pyrene**	**588**		ug/kg dry	70.6	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD
110-86-1	Pyridine	ND		ug/kg dry	76.8	197	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 04:36	TD

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*47.8 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*49.8 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*53.0 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*49.2 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*50.9 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*57.8 %*	*30-130*

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.74	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.23	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.75	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
309-00-2	Aldrin	ND		ug/kg dry	2.49	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.94	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	9.32	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	9.32	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	9.32	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	9.32	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
12672-29-6	Aroclor 1248	ND		ug/kg dry	9.32	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	8.03	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	8.03	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.46	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
57-74-9	Chlordane, total	ND		ug/kg dry	15.6	15.6	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.12	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.30	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-29** **York Sample ID:** **11H0035-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
959-98-8	Endosulfan I	ND		ug/kg dry	1.89	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.38	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.99	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
72-20-8	Endrin	ND		ug/kg dry	2.36	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.62	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.71	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.70	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
76-44-8	Heptachlor	ND		ug/kg dry	3.10	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.71	3.90	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
72-43-5	Methoxychlor	ND		ug/kg dry	10.0	19.5	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW
1336-36-3	Total PCBs	ND		ug/kg dry	8.03	20.1	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 12:38	JW
8001-35-2	Toxaphene	ND		ug/kg dry	390	390	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:31	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*60.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.3 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3000**		mg/kg dry	1.49	2.36	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-36-0	Antimony	ND		mg/kg dry	0.165	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-38-2	**Arsenic**	**1.24**		mg/kg dry	0.224	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-39-3	**Barium**	**8.66**		mg/kg dry	0.283	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.012	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.153	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-70-2	**Calcium**	**153**		mg/kg dry	0.051	2.36	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-47-3	**Chromium**	**8.21**		mg/kg dry	0.094	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-48-4	**Cobalt**	**3.24**		mg/kg dry	0.094	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-50-8	**Copper**	**4.61**		mg/kg dry	0.165	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7439-89-6	**Iron**	**5510**		mg/kg dry	0.649	1.18	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7439-92-1	**Lead**	**3.24**		mg/kg dry	0.118	0.354	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7439-95-4	**Magnesium**	**1140**		mg/kg dry	0.968	2.36	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7439-96-5	**Manganese**	**34.9**		mg/kg dry	0.094	1.18	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-02-0	**Nickel**	**10.6**		mg/kg dry	0.083	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-09-7	**Potassium**	**590**		mg/kg dry	3.21	11.8	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7782-49-2	**Selenium**	**0.951**		mg/kg dry	0.249	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-22-4	Silver	ND		mg/kg dry	0.106	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-29 **York Sample ID:** 11H0035-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**303**		mg/kg dry	7.93	11.8	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-28-0	Thallium	ND		mg/kg dry	0.224	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-62-2	**Vanadium**	**7.94**		mg/kg dry	0.094	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW
7440-66-6	**Zinc**	**14.1**		mg/kg dry	0.083	0.590	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:28	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.114	0.118	1	EPA SW846-7471	08/02/2011 11:50	08/02/2011 11:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**84.7**		%	0.100	0.100	1	SM 2540G	08/02/2011 14:50	08/02/2011 14:50	AA

Sample Information

Client Sample ID: SP-30 **York Sample ID:** 11H0035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	0.86	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.7	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.1	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.1	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-30** **York Sample ID:** **11H0035-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	0.51	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	0.86	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
71-43-2	Benzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
108-86-1	Bromobenzene	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.0	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-25-2	Bromoform	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.9	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	0.81	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-00-3	Chloroethane	ND		ug/kg dry	1.8	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
67-66-3	Chloroform	ND		ug/kg dry	0.84	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	0.81	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
74-95-3	Dibromomethane	ND		ug/kg dry	3.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.9	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	0.81	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	0.91	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	0.88	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-09-2	**Methylene chloride**	**15**	J, B	ug/kg dry	2.5	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
91-20-3	Naphthalene	ND		ug/kg dry	1.2	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	0.74	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-30** **York Sample ID:** **11H0035-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Volatile Organics, 8260 List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
1330-20-7P/M	p- & m- Xylenes	ND		ug/kg dry	1.3	22	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	0.58	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
100-42-5	Styrene	ND		ug/kg dry	1.0	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.2	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
108-88-3	Toluene	ND		ug/kg dry	0.53	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	11	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	2.4	32	2	EPA SW846-8260B	08/04/2011 08:27	08/04/2011 08:27	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*104 %*	*72.6-129*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*63.5-145*
2037-26-5	*Surrogate: Toluene-d8*	*88.6 %*	*86.6-116*

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	97.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	78.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	85.4	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	61.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	87.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	73.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	57.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	151	359	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	78.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	85.4	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	54.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
95-57-8	2-Chlorophenol	ND		ug/kg dry	104	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	62.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-30** **York Sample ID:** **11H0035-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/kg dry	66.0	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
88-75-5	2-Nitrophenol	ND		ug/kg dry	61.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
100-01-6	3- & 4-Methylphenols	ND		ug/kg dry	80.7	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	45.2	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
99-09-2	3-Nitroaniline	ND		ug/kg dry	65.0	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	136	359	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	74.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	19.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
106-47-8	4-Chloroaniline	ND		ug/kg dry	70.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	51.7	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
100-02-7	4-Nitroaniline	ND		ug/kg dry	59.6	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
56-57-5	4-Nitrophenol	ND		ug/kg dry	64.9	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
83-32-9	Acenaphthene	ND		ug/kg dry	104	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
208-96-8	Acenaphthylene	ND		ug/kg dry	50.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
62-53-3	Aniline	ND		ug/kg dry	64.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
120-12-7	Anthracene	ND		ug/kg dry	44.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	69.4	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	46.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	68.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	53.9	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	69.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
100-51-6	Benzyl alcohol	ND		ug/kg dry	58.1	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	74.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	66.1	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	60.9	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	66.6	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	60.1	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
218-01-9	Chrysene	ND		ug/kg dry	72.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
132-64-9	Dibenzofuran	ND		ug/kg dry	57.9	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
84-66-2	Diethyl phthalate	ND		ug/kg dry	94.2	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
131-11-3	Dimethyl phthalate	ND		ug/kg dry	51.7	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	53.6	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	80.7	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
206-44-0	Fluoranthene	ND		ug/kg dry	104	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: SP-30 **York Sample ID:** 11H0035-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Semi-Volatiles, 8270 Target List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/kg dry	50.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
118-74-1	Hexachlorobenzene	ND		ug/kg dry	29.2	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	71.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	133	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
67-72-1	Hexachloroethane	ND		ug/kg dry	64.5	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	66.1	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
78-59-1	Isophorone	ND		ug/kg dry	66.6	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
91-20-3	Naphthalene	ND		ug/kg dry	53.6	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
98-95-3	Nitrobenzene	ND		ug/kg dry	80.7	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	64.9	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	104	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
87-86-5	Pentachlorophenol	ND		ug/kg dry	50.3	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
85-01-8	Phenanthrene	ND		ug/kg dry	66.2	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
108-95-2	Phenol	ND		ug/kg dry	71.8	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
129-00-0	Pyrene	ND		ug/kg dry	64.4	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD
110-86-1	Pyridine	ND		ug/kg dry	70.1	179	1	EPA SW-846 8270C	08/01/2011 07:35	08/03/2011 05:08	TD

	Surrogate Recoveries	Result	Acceptance Range
5175-83-7	*Surrogate: 2,4,6-Tribromophenol*	*22.6 %*	*15-110*
321-60-8	*Surrogate: 2-Fluorobiphenyl*	*30.9 %*	*30-130*
367-12-4	*Surrogate: 2-Fluorophenol*	*31.4 %*	*15-110*
4165-60-0	*Surrogate: Nitrobenzene-d5*	*30.0 %*	*30-130*
4165-62-2	*Surrogate: Phenol-d5*	*24.9 %*	*15-110*
1718-51-0	*Surrogate: Terphenyl-d14*	*31.2 %*	*30-130*

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.58	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.03	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.59	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
309-00-2	Aldrin	ND		ug/kg dry	2.27	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.68	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
12674-11-2	Aroclor 1016	ND		ug/kg dry	8.50	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
11104-28-2	Aroclor 1221	ND		ug/kg dry	8.50	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
11141-16-5	Aroclor 1232	ND		ug/kg dry	8.50	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
53469-21-9	Aroclor 1242	ND		ug/kg dry	8.50	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-30** **York Sample ID:** **11H0035-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Pesticides/PCBs, EPA TCL List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3550B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/kg dry	8.50	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
11097-69-1	Aroclor 1254	ND		ug/kg dry	7.32	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
11096-82-5	Aroclor 1260	ND		ug/kg dry	7.32	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.24	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
57-74-9	Chlordane, total	ND		ug/kg dry	14.2	14.2	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.94	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.10	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.72	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.17	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.82	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
72-20-8	Endrin	ND		ug/kg dry	2.15	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.39	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.56	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.46	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.83	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.56	3.55	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.16	17.8	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW
1336-36-3	Total PCBs	ND		ug/kg dry	7.32	18.3	1	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 13:10	JW
8001-35-2	Toxaphene	ND		ug/kg dry	355	355	10	EPA SW 846-8081/8082	08/03/2011 07:29	08/03/2011 10:46	JW

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.0 %*	*30-150*

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**3960**		mg/kg dry	1.36	2.15	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-36-0	Antimony	ND		mg/kg dry	0.151	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-38-2	**Arsenic**	**3.34**		mg/kg dry	0.204	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-39-3	**Barium**	**61.4**		mg/kg dry	0.258	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.009	0.011	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.140	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-70-2	**Calcium**	**36900**		mg/kg dry	0.047	2.15	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-47-3	**Chromium**	**11.8**		mg/kg dry	0.086	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-48-4	**Cobalt**	**4.23**		mg/kg dry	0.086	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-50-8	**Copper**	**11.6**		mg/kg dry	0.151	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7439-89-6	**Iron**	**8430**		mg/kg dry	0.592	1.08	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SP-30** **York Sample ID:** **11H0035-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0035	110150 231 Hudson St.	Soil	July 26, 2011 3:00 pm	07/28/2011

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW 846-3050B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-92-1	**Lead**	**60.2**		mg/kg dry	0.108	0.323	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7439-95-4	**Magnesium**	**3300**		mg/kg dry	0.883	2.15	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7439-96-5	**Manganese**	**285**		mg/kg dry	0.086	1.08	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-02-0	**Nickel**	**22.7**		mg/kg dry	0.075	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-09-7	**Potassium**	**957**		mg/kg dry	2.93	10.8	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7782-49-2	**Selenium**	**1.18**		mg/kg dry	0.227	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-22-4	Silver	ND		mg/kg dry	0.097	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-23-5	**Sodium**	**315**		mg/kg dry	7.23	10.8	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-28-0	Thallium	ND		mg/kg dry	0.204	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-62-2	**Vanadium**	**13.2**		mg/kg dry	0.086	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW
7440-66-6	**Zinc**	**31.2**		mg/kg dry	0.075	0.538	1	EPA SW846-6010B	08/03/2011 08:38	08/03/2011 13:33	MW

Mercury by 7470/7471

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA SW846-7471

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.104	0.108	1	EPA SW846-7471	08/02/2011 11:50	08/02/2011 11:50	AA

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	**% Solids**	**92.9**		%	0.100	0.100	1	SM 2540G	08/02/2011 14:50	08/02/2011 14:50	AA

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BH10006 **Preparation Method:** EPA 3550B **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/01/11
11H0035-02	SP-29	08/01/11
11H0035-03	SP-30	08/01/11
BH10006-BLK1	Blank	08/01/11
BH10006-BS1	LCS	08/01/11

Batch ID: BH10072 **Preparation Method:** EPA SW846-7471 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/02/11
11H0035-02	SP-29	08/02/11
11H0035-03	SP-30	08/02/11
BH10072-BLK1	Blank	08/02/11
BH10072-BS1	LCS	08/02/11

Batch ID: BH10089 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/02/11
11H0035-02	SP-29	08/02/11
11H0035-03	SP-30	08/02/11

Batch ID: BH10123 **Preparation Method:** EPA 3550B **Prepared By:** CM

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/03/11
11H0035-02	SP-29	08/03/11
11H0035-03	SP-30	08/03/11
BH10123-BLK1	Blank	08/03/11
BH10123-BS1	LCS	08/03/11
BH10123-BS2	LCS	08/03/11
BH10123-BSD2	LCS Dup	08/03/11
BH10123-MS1	Matrix Spike	08/03/11
BH10123-MSD1	Matrix Spike Dup	08/03/11

Batch ID: BH10132 **Preparation Method:** EPA SW 846-3050B **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/03/11
11H0035-02	SP-29	08/03/11
11H0035-03	SP-30	08/03/11
BH10132-BLK1	Blank	08/03/11
BH10132-DUP1	Duplicate	08/03/11
BH10132-MS1	Matrix Spike	08/03/11
BH10132-SRM1	Reference	08/03/11

YORK
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Batch ID: BH10175 **Preparation Method:** EPA 5035B **Prepared By:** AY

YORK Sample ID	Client Sample ID	Preparation Date
11H0035-01	SP-28	08/04/11
11H0035-02	SP-29	08/04/11
11H0035-03	SP-30	08/04/11
BH10175-BLK1	Blank	08/04/11
BH10175-BS1	LCS	08/03/11
BH10175-BSD1	LCS Dup	08/04/11

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10175 - EPA 5035B											
Blank (BH10175-BLK1)							Prepared & Analyzed: 08/04/2011				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	10	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	10	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	10	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylene chloride	5.4	10	"								
Naphthalene	1.4	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10175 - EPA 5035B											
Blank (BH10175-BLK1)						Prepared & Analyzed: 08/04/2011					
tert-Butylbenzene	ND	5.0	ug/kg wet								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: 1,2-Dichloroethane-d4	*47.8*		*ug/L*	*50.0*		*95.7*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*63.5-145*				
Surrogate: Toluene-d8	*43.0*		*"*	*50.0*		*86.0*	*86.6-116*				
LCS (BH10175-BS1)						Prepared & Analyzed: 08/03/2011					
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		108	71.7-135				
1,1,1-Trichloroethane	48		"	50.0		96.0	72.6-137				
1,1,2,2-Tetrachloroethane	48		"	50.0		96.4	65.4-135				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41		"	50.0		82.0	67.8-129				
1,1,2-Trichloroethane	51		"	50.0		103	68.6-132				
1,1-Dichloroethane	48		"	50.0		96.0	71.7-131				
1,1-Dichloroethylene	45		"	50.0		90.8	74.4-148				
1,1-Dichloropropylene	56		"	50.0		113	72.5-135				
1,2,3-Trichlorobenzene	53		"	50.0		107	62.7-139				
1,2,3-Trichloropropane	49		"	50.0		97.7	61.7-131				
1,2,4-Trichlorobenzene	54		"	50.0		107	65-139				
1,2,4-Trimethylbenzene	53		"	50.0		106	73.1-136				
1,2-Dibromo-3-chloropropane	46		"	50.0		91.1	53.3-149				
1,2-Dibromoethane	56		"	50.0		113	72.7-134				
1,2-Dichlorobenzene	45		"	50.0		90.0	71.6-125				
1,2-Dichloroethane	49		"	50.0		99.0	68.7-136				
1,2-Dichloropropane	50		"	50.0		99.1	68.2-136				
1,3,5-Trimethylbenzene	51		"	50.0		102	69.7-127				
1,3-Dichlorobenzene	48		"	50.0		96.2	69.8-129				
1,3-Dichloropropane	54		"	50.0		108	69.3-132				
1,4-Dichlorobenzene	48		"	50.0		95.8	71.3-129				
2,2-Dichloropropane	40		"	50.0		80.8	65.5-131				
2-Chlorotoluene	47		"	50.0		93.9	64.2-120				
4-Chlorotoluene	47		"	50.0		93.7	68.8-129				
Benzene	56		"	50.0		111	70.4-128				
Bromobenzene	45		"	50.0		90.4	66.8-127				
Bromochloromethane	52		"	50.0		104	71.6-133				
Bromodichloromethane	41		"	50.0		81.4	70.6-136				
Bromoform	55		"	50.0		110	63.2-139				
Bromomethane	47		"	50.0		93.3	50.2-135				
Carbon tetrachloride	51		"	50.0		103	71.9-140				
Chlorobenzene	54		"	50.0		108	76.4-127				
Chloroethane	47		"	50.0		93.3	50.8-142				
Chloroform	48		"	50.0		95.0	73.6-132				
Chloromethane	41		"	50.0		82.1	32.9-131				
cis-1,2-Dichloroethylene	53		"	50.0		107	69.5-128				
cis-1,3-Dichloropropylene	52		"	50.0		104	66.6-129				
Dibromochloromethane	50		"	50.0		100	71.4-135				
Dibromomethane	54		"	50.0		107	72.3-133				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10175 - EPA 5035B											
LCS (BH10175-BS1)						Prepared & Analyzed: 08/03/2011					
Dichlorodifluoromethane	37		ug/L	50.0		73.7	39.4-108				
Ethyl Benzene	53		"	50.0		106	75.2-131				
Hexachlorobutadiene	50		"	50.0		100	60.5-130				
Isopropylbenzene	55		"	50.0		109	73.7-136				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.2	56.5-140				
Methylene chloride	41		"	50.0		82.6	58.4-120				
Naphthalene	55		"	50.0		111	55.2-150				
n-Butylbenzene	45		"	50.0		90.9	63.7-125				
n-Propylbenzene	50		"	50.0		101	67.8-128				
o-Xylene	51		"	50.0		102	70.4-126				
p- & m- Xylenes	100		"	100		103	73.8-130				
p-Isopropyltoluene	52		"	50.0		105	71.1-131				
sec-Butylbenzene	50		"	50.0		101	68.6-126				
Styrene	51		"	50.0		102	71.7-126				
tert-Butylbenzene	61		"	50.0		123	76.4-151				
Tetrachloroethylene	62		"	50.0		125	65-168				
Toluene	54		"	50.0		108	72.5-127				
trans-1,2-Dichloroethylene	53		"	50.0		105	62.2-144				
trans-1,3-Dichloropropylene	49		"	50.0		97.5	66-135				
Trichloroethylene	46		"	50.0		92.1	72.6-133				
Trichlorofluoromethane	45		"	50.0		89.4	51.5-131				
Vinyl Chloride	42		"	50.0		83.7	47-126				
Surrogate: 1,2-Dichloroethane-d4	*45.2*		*"*	*50.0*		*90.5*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*50.5*		*"*	*50.0*		*101*	*63.5-145*				
Surrogate: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*86.6-116*				
LCS Dup (BH10175-BSD1)						Prepared & Analyzed: 08/04/2011					
1,1,1,2-Tetrachloroethane	54		ug/L	50.0		109	71.7-135		1.20	22.3	
1,1,1-Trichloroethane	48		"	50.0		95.8	72.6-137		0.209	22.5	
1,1,2,2-Tetrachloroethane	51		"	50.0		102	65.4-135		5.33	23.8	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38		"	50.0		76.7	67.8-129		6.71	25	
1,1,2-Trichloroethane	46		"	50.0		92.4	68.6-132		10.7	22.6	
1,1-Dichloroethane	48		"	50.0		95.7	71.7-131		0.313	22.8	
1,1-Dichloroethylene	45		"	50.0		89.7	74.4-148		1.15	26.8	
1,1-Dichloropropylene	53		"	50.0		107	72.5-135		5.56	22	
1,2,3-Trichlorobenzene	54		"	50.0		108	62.7-139		0.765	25.6	
1,2,3-Trichloropropane	51		"	50.0		101	61.7-131		3.46	24.2	
1,2,4-Trichlorobenzene	54		"	50.0		108	65-139		1.00	26.6	
1,2,4-Trimethylbenzene	55		"	50.0		110	73.1-136		4.16	24.3	
1,2-Dibromo-3-chloropropane	47		"	50.0		93.6	53.3-149		2.69	29.1	
1,2-Dibromoethane	54		"	50.0		108	72.7-134		4.77	21.1	
1,2-Dichlorobenzene	47		"	50.0		93.9	71.6-125		4.22	22.8	
1,2-Dichloroethane	47		"	50.0		94.8	68.7-136		4.34	21.6	
1,2-Dichloropropane	48		"	50.0		95.4	68.2-136		3.74	22.5	
1,3,5-Trimethylbenzene	52		"	50.0		103	69.7-127		1.46	23.3	
1,3-Dichlorobenzene	49		"	50.0		97.1	69.8-129		0.931	23.3	
1,3-Dichloropropane	53		"	50.0		105	69.3-132		2.42	22.4	
1,4-Dichlorobenzene	48		"	50.0		96.8	71.3-129		1.04	23.9	
2,2-Dichloropropane	43		"	50.0		85.7	65.5-131		5.86	22	
2-Chlorotoluene	47		"	50.0		94.3	64.2-120		0.446	23.3	
4-Chlorotoluene	48		"	50.0		96.8	68.8-129		3.26	23.5	
Benzene	56		"	50.0		112	70.4-128		0.787	21.8	
Bromobenzene	48		"	50.0		95.9	66.8-127		5.95	23.1	

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA SW846-8260B - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10175 - EPA 5035B											
LCS Dup (BH10175-BSD1)						Prepared & Analyzed: 08/04/2011					
Bromochloromethane	51		ug/L	50.0		102	71.6-133		1.20	22	
Bromodichloromethane	48		"	50.0		96.2	70.6-136		16.7	22.7	
Bromoform	57		"	50.0		113	63.2-139		3.30	23.3	
Bromomethane	45		"	50.0		90.1	50.2-135		3.53	29.1	
Carbon tetrachloride	50		"	50.0		100	71.9-140		2.34	22.4	
Chlorobenzene	54		"	50.0		108	76.4-127		0.592	21.8	
Chloroethane	47		"	50.0		94.6	50.8-142		1.40	24	
Chloroform	51		"	50.0		101	73.6-132		6.30	21.9	
Chloromethane	40		"	50.0		79.3	32.9-131		3.40	22.8	
cis-1,2-Dichloroethylene	55		"	50.0		111	69.5-128		3.73	22	
cis-1,3-Dichloropropylene	47		"	50.0		94.7	66.6-129		9.13	22.7	
Dibromochloromethane	53		"	50.0		107	71.4-135		6.14	22.1	
Dibromomethane	39		"	50.0		78.5	72.3-133		31.0	23.1	Non-dir.
Dichlorodifluoromethane	36		"	50.0		72.8	39.4-108		1.20	26	
Ethyl Benzene	54		"	50.0		108	75.2-131		1.51	22.5	
Hexachlorobutadiene	52		"	50.0		104	60.5-130		3.76	25.4	
Isopropylbenzene	56		"	50.0		112	73.7-136		2.58	23.2	
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.3	56.5-140		0.962	30.6	
Methylene chloride	41		"	50.0		82.6	58.4-120		0.0242	23.8	
Naphthalene	56		"	50.0		112	55.2-150		0.683	29.4	
n-Butylbenzene	45		"	50.0		89.6	63.7-125		1.37	25.3	
n-Propylbenzene	50		"	50.0		99.9	67.8-128		0.996	28.9	
o-Xylene	50		"	50.0		100	70.4-126		1.39	22.7	
p- & m- Xylenes	100		"	100		101	73.8-130		1.87	23	
p-Isopropyltoluene	52		"	50.0		105	71.1-131		0.191	23.4	
sec-Butylbenzene	51		"	50.0		103	68.6-126		1.95	23.3	
Styrene	50		"	50.0		99.9	71.7-126		2.12	21.9	
tert-Butylbenzene	64		"	50.0		127	76.4-151		3.48	45.4	
Tetrachloroethylene	58		"	50.0		117	65-168		6.67	27.9	
Toluene	50		"	50.0		100	72.5-127		7.23	22.9	
trans-1,2-Dichloroethylene	52		"	50.0		104	62.2-144		1.07	24.6	
trans-1,3-Dichloropropylene	46		"	50.0		91.3	66-135		6.63	23	
Trichloroethylene	44		"	50.0		88.5	72.6-133		3.90	21.9	
Trichlorofluoromethane	45		"	50.0		89.1	51.5-131		0.426	24.2	
Vinyl Chloride	41		"	50.0		81.9	47-126		2.17	25.5	
Surrogate: 1,2-Dichloroethane-d4	*42.4*		*"*	*50.0*		*84.9*	*72.6-129*				
Surrogate: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*63.5-145*				
Surrogate: Toluene-d8	*45.7*		*"*	*50.0*		*91.4*	*86.6-116*				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10006 - EPA 3550B											
Blank (BH10006-BLK1)							Prepared: 08/01/2011 Analyzed: 08/02/2011				
Acenaphthene	ND	167	ug/kg wet								
Acenaphthylene	ND	167	"								
Aniline	ND	167	"								
Anthracene	ND	167	"								
Benzo(a)anthracene	ND	167	"								
Benzo(a)pyrene	ND	167	"								
Benzo(b)fluoranthene	ND	167	"								
Benzo(g,h,i)perylene	ND	167	"								
Benzyl alcohol	ND	167	"								
Benzo(k)fluoranthene	ND	167	"								
Benzyl butyl phthalate	ND	167	"								
4-Bromophenyl phenyl ether	ND	167	"								
4-Chloro-3-methylphenol	ND	167	"								
4-Chloroaniline	ND	167	"								
Bis(2-chloroethoxy)methane	ND	167	"								
Bis(2-chloroethyl)ether	ND	167	"								
Bis(2-chloroisopropyl)ether	ND	167	"								
Bis(2-ethylhexyl)phthalate	ND	167	"								
2-Chloronaphthalene	ND	167	"								
2-Chlorophenol	ND	167	"								
4-Chlorophenyl phenyl ether	ND	167	"								
Chrysene	ND	167	"								
Dibenzo(a,h)anthracene	ND	167	"								
Dibenzofuran	ND	167	"								
Di-n-butyl phthalate	ND	167	"								
1,2-Dichlorobenzene	ND	167	"								
1,4-Dichlorobenzene	ND	167	"								
1,3-Dichlorobenzene	ND	167	"								
3,3'-Dichlorobenzidine	ND	167	"								
2,4-Dichlorophenol	ND	167	"								
Diethyl phthalate	ND	167	"								
2,4-Dimethylphenol	ND	167	"								
Dimethyl phthalate	ND	167	"								
4,6-Dinitro-2-methylphenol	ND	333	"								
2,4-Dinitrophenol	ND	333	"								
2,6-Dinitrotoluene	ND	167	"								
2,4-Dinitrotoluene	ND	167	"								
Di-n-octyl phthalate	ND	167	"								
Fluoranthene	ND	167	"								
Fluorene	ND	167	"								
Hexachlorobenzene	ND	167	"								
Hexachlorobutadiene	ND	167	"								
Hexachlorocyclopentadiene	ND	167	"								
Hexachloroethane	ND	167	"								
Indeno(1,2,3-cd)pyrene	ND	167	"								
Isophorone	ND	167	"								
2-Methylnaphthalene	ND	167	"								
2-Methylphenol	ND	167	"								
3- & 4-Methylphenols	ND	167	"								
Naphthalene	ND	167	"								
3-Nitroaniline	ND	167	"								
4-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
4-Nitrophenol	ND	167	"								

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10006 - EPA 3550B											
Blank (BH10006-BLK1)						Prepared: 08/01/2011 Analyzed: 08/02/2011					
2-Nitrophenol	ND	167	ug/kg wet								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodimethylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
Pyridine	ND	167	"								
1,2,4-Trichlorobenzene	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
Surrogate: 2,4,6-Tribromophenol	*2030*		*"*	*2500*		*81.1*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*1430*		*"*	*1670*		*86.0*	*30-130*				
Surrogate: 2-Fluorophenol	*2120*		*"*	*2510*		*84.8*	*15-110*				
Surrogate: Nitrobenzene-d5	*1350*		*"*	*1670*		*80.8*	*30-130*				
Surrogate: Phenol-d5	*1840*		*"*	*2500*		*73.6*	*15-110*				
Surrogate: Terphenyl-d14	*1420*		*"*	*1670*		*85.0*	*30-130*				
LCS (BH10006-BS1)						Prepared: 08/01/2011 Analyzed: 08/02/2011					
Acenaphthene	1270	167	ug/kg wet	1670		76.2	40-140				
Acenaphthylene	1170	167	"	1670		70.3	40-140				
Aniline	1070	167	"	1670		64.2	40-140				
Anthracene	1210	167	"	1670		72.6	40-140				
Benzo(a)anthracene	1200	167	"	1670		71.7	40-140				
Benzo(a)pyrene	1260	167	"	1670		75.7	40-140				
Benzo(b)fluoranthene	979	167	"	1670		58.7	40-140				
Benzo(g,h,i)perylene	1020	167	"	1670		61.2	40-140				
Benzyl alcohol	1430	167	"	1670		85.6	30-130				
Benzo(k)fluoranthene	1070	167	"	1670		64.1	40-140				
Benzyl butyl phthalate	1290	167	"	1670		77.6	40-140				
4-Bromophenyl phenyl ether	1200	167	"	1670		72.1	40-140				
4-Chloro-3-methylphenol	1350	167	"	1670		80.8	30-130				
4-Chloroaniline	1260	167	"	1670		75.7	40-140				
Bis(2-chloroethoxy)methane	1220	167	"	1670		73.1	40-140				
Bis(2-chloroethyl)ether	1070	167	"	1670		64.5	40-140				
Bis(2-chloroisopropyl)ether	1100	167	"	1670		65.9	40-140				
Bis(2-ethylhexyl)phthalate	1220	167	"	1670		73.4	40-140				
2-Chloronaphthalene	1310	167	"	1670		78.9	40-140				
2-Chlorophenol	1220	167	"	1670		73.2	30-130				
4-Chlorophenyl phenyl ether	1260	167	"	1670		75.9	40-140				
Chrysene	1400	167	"	1670		83.7	40-140				
Dibenzo(a,h)anthracene	1120	167	"	1670		66.9	40-140				
Dibenzofuran	1230	167	"	1670		74.0	40-140				
Di-n-butyl phthalate	1290	167	"	1670		77.2	40-140				
1,2-Dichlorobenzene	1210	167	"	1670		72.5	40-140				
1,4-Dichlorobenzene	1330	167	"	1670		79.8	40-140				
1,3-Dichlorobenzene	1100	167	"	1670		65.9	40-140				
3,3'-Dichlorobenzidine	1390	167	"	1670		83.6	40-140				
2,4-Dichlorophenol	1280	167	"	1670		76.8	30-130				
Diethyl phthalate	1210	167	"	1670		72.8	40-140				
2,4-Dimethylphenol	1280	167	"	1670		77.0	30-130				
Dimethyl phthalate	1240	167	"	1670		74.2	40-140				
4,6-Dinitro-2-methylphenol	912	333	"	1670		54.7	30-130				

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Semivolatile Organic Compounds by EPA Method 8270C - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10006 - EPA 3550B											
LCS (BH10006-BS1)						Prepared: 08/01/2011 Analyzed: 08/02/2011					
2,4-Dinitrophenol	662	333	ug/kg wet	1670		39.7	30-130				
2,6-Dinitrotoluene	1290	167	"	1670		77.4	40-140				
2,4-Dinitrotoluene	1290	167	"	1670		77.4	40-140				
Di-n-octyl phthalate	1270	167	"	1670		76.0	40-140				
Fluoranthene	1300	167	"	1670		78.2	40-140				
Fluorene	1260	167	"	1670		75.9	40-140				
Hexachlorobenzene	1130	167	"	1670		67.8	40-140				
Hexachlorobutadiene	1250	167	"	1670		74.7	40-140				
Hexachlorocyclopentadiene	675	167	"	1670		40.5	40-140				
Hexachloroethane	1150	167	"	1670		69.1	40-140				
Indeno(1,2,3-cd)pyrene	1080	167	"	1670		64.9	40-140				
Isophorone	1170	167	"	1670		70.4	40-140				
2-Methylnaphthalene	1300	167	"	1670		77.7	40-140				
2-Methylphenol	1220	167	"	1670		73.1	30-130				
3- & 4-Methylphenols	1190	167	"	1670		71.2	30-130				
Naphthalene	1260	167	"	1670		75.5	40-140				
3-Nitroaniline	1280	167	"	1670		76.6	40-140				
4-Nitroaniline	1410	167	"	1670		84.4	40-140				
Nitrobenzene	1120	167	"	1670		67.5	40-140				
4-Nitrophenol	1240	167	"	1670		74.3	30-130				
2-Nitrophenol	1250	167	"	1670		75.2	30-130				
N-nitroso-di-n-propylamine	1240	167	"	1670		74.6	40-140				
N-Nitrosodimethylamine	1240	167	"	1670		74.4	40-140				
N-Nitrosodiphenylamine	1560	167	"	1670		93.9	40-140				
Pentachlorophenol	1290	167	"	1670		77.2	30-130				
Phenanthrene	1190	167	"	1670		71.5	40-140				
Phenol	1280	167	"	1670		76.8	30-130				
Pyrene	1280	167	"	1670		76.9	40-140				
Pyridine	223	167	"	1670		13.4	40-140	Low Bias			
1,2,4-Trichlorobenzene	1250	167	"	1670		75.1	40-140				
2,4,5-Trichlorophenol	1240	167	"	1670		74.6	30-130				
2,4,6-Trichlorophenol	1270	167	"	1670		76.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*1560*		*"*	*2500*		*62.2*	*15-110*				
Surrogate: 2-Fluorobiphenyl	*990*		*"*	*1670*		*59.4*	*30-130*				
Surrogate: 2-Fluorophenol	*1590*		*"*	*2510*		*63.5*	*15-110*				
Surrogate: Nitrobenzene-d5	*920*		*"*	*1670*		*55.1*	*30-130*				
Surrogate: Phenol-d5	*1400*		*"*	*2500*		*55.8*	*15-110*				
Surrogate: Terphenyl-d14	*1100*		*"*	*1670*		*65.8*	*30-130*				

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Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10123 - EPA 3550B											
Blank (BH10123-BLK1)							Prepared & Analyzed: 08/03/2011				
Toxaphene	ND	33.0	ug/kg wet								
Methoxychlor	ND	1.65	"								
Heptachlor epoxide	ND	0.330	"								
Heptachlor	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Endrin ketone	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Dieldrin	ND	0.330	"								
delta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
beta-BHC	ND	0.330	"								
alpha-BHC	ND	0.330	"								
Aldrin	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
4,4'-DDE	ND	0.330	"								
4,4'-DDD	ND	0.330	"								
Aroclor 1260	ND	17.0	"								
Aroclor 1254	ND	17.0	"								
Aroclor 1248	ND	17.0	"								
Aroclor 1242	ND	17.0	"								
Aroclor 1232	ND	17.0	"								
Aroclor 1221	ND	17.0	"								
Aroclor 1016	ND	17.0	"								
Total PCBs	ND	17.0	"								
Surrogate: Tetrachloro-m-xylene	*79.2*		*"*	*66.7*		*119*	*30-150*				
Surrogate: Decachlorobiphenyl	*83.5*		*"*	*66.7*		*125*	*30-150*				

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Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10123 - EPA 3550B											
LCS (BH10123-BS1)						Prepared & Analyzed: 08/03/2011					
Methoxychlor	20.3	1.65	ug/kg wet	26.7		76.0	40-140				
Heptachlor epoxide	23.8	0.330	"	26.7		89.1	40-140				
Heptachlor	23.3	0.330	"	26.7		87.2	40-140				
gamma-BHC (Lindane)	24.6	0.330	"	26.7		92.3	40-140				
Endrin ketone	25.1	0.330	"	26.7		94.1	40-140				
Endrin aldehyde	21.3	0.330	"	26.7		79.9	40-140				
Endrin	22.3	0.330	"	26.7		83.5	40-140				
Endosulfan sulfate	23.4	0.330	"	26.7		87.6	40-140				
Endosulfan II	24.7	0.330	"	26.7		92.5	40-140				
Endosulfan I	26.0	0.330	"	26.7		97.4	40-140				
Dieldrin	25.6	0.330	"	26.7		96.0	40-140				
delta-BHC	24.5	0.330	"	26.7		92.1	40-140				
beta-BHC	26.6	0.330	"	26.7		99.7	40-140				
alpha-BHC	25.9	0.330	"	26.7		97.3	40-140				
Aldrin	25.9	0.330	"	26.7		97.0	40-140				
4,4'-DDT	21.1	0.330	"	26.7		79.0	40-140				
4,4'-DDE	23.9	0.330	"	26.7		89.7	40-140				
4,4'-DDD	25.1	0.330	"	26.7		94.2	40-140				
Surrogate: Tetrachloro-m-xylene	*71.2*		*"*	*66.7*		*107*	*30-150*				
Surrogate: Decachlorobiphenyl	*59.5*		*"*	*66.7*		*89.2*	*30-150*				
LCS (BH10123-BS2)						Prepared: 08/03/2011 Analyzed: 08/04/2011					
Aroclor 1260	297	17.0	ug/kg wet	333		89.1	40-140				
Aroclor 1016	324	17.0	"	333		97.2	40-140				
Surrogate: Tetrachloro-m-xylene	*77.0*		*"*	*66.7*		*116*	*30-150*				
Surrogate: Decachlorobiphenyl	*71.3*		*"*	*66.7*		*107*	*30-150*				
LCS Dup (BH10123-BSD2)						Prepared: 08/03/2011 Analyzed: 08/04/2011					
Aroclor 1260	287	17.0	ug/kg wet	333		86.0	40-140		3.52	25	
Aroclor 1016	324	17.0	"	333		97.1	40-140		0.124	25	
Surrogate: Tetrachloro-m-xylene	*78.0*		*"*	*66.7*		*117*	*30-150*				
Surrogate: Decachlorobiphenyl	*68.3*		*"*	*66.7*		*102*	*30-150*				

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Organochlorine Pesticides by EPA SW 846-8081 - Quality Control Data

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Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10123 - EPA 3550B											
Matrix Spike (BH10123-MS1)	*Source(Sample used for MS/MSD): 11H0035-03					Prepared & Analyzed: 08/03/2011					
Methoxychlor	26.9	17.8	ug/kg dry	28.7	ND	93.6	30-150				
Heptachlor epoxide	32.0	3.55	"	28.7	ND	111	30-150				
Heptachlor	29.2	3.55	"	28.7	ND	102	30-150				
gamma-BHC (Lindane)	32.0	3.55	"	28.7	ND	112	30-150				
Endrin ketone	35.2	3.55	"	28.7	ND	123	30-150				
Endrin aldehyde	30.5	3.55	"	28.7	ND	106	30-150				
Endrin	33.5	3.55	"	28.7	ND	117	30-150				
Endosulfan sulfate	33.6	3.55	"	28.7	ND	117	30-150				
Endosulfan II	35.1	3.55	"	28.7	ND	122	30-150				
Endosulfan I	31.6	3.55	"	28.7	ND	110	30-150				
Dieldrin	31.6	3.55	"	28.7	ND	110	30-150				
delta-BHC	29.1	3.55	"	28.7	ND	102	30-150				
beta-BHC	35.1	3.55	"	28.7	ND	122	30-150				
alpha-BHC	31.0	3.55	"	28.7	ND	108	30-150				
Aldrin	29.2	3.55	"	28.7	ND	102	30-150				
4,4'-DDT	24.2	3.55	"	28.7	ND	84.3	30-150				
4,4'-DDE	27.9	3.55	"	28.7	ND	97.4	30-150				
4,4'-DDD	31.5	3.55	"	28.7	ND	110	30-150				
Surrogate: Tetrachloro-m-xylene	*48.4*		*"*	*71.8*		*67.4*	*30-150*				
Surrogate: Decachlorobiphenyl	*40.8*		*"*	*71.8*		*56.9*	*30-150*				
Matrix Spike Dup (BH10123-MSD1)	*Source(Sample used for MS/MSD): 11H0035-03					Prepared & Analyzed: 08/03/2011					
Methoxychlor	24.9	17.8	ug/kg dry	28.7	ND	86.9	30-150		7.46	30	
Heptachlor epoxide	29.1	3.55	"	28.7	ND	102	30-150		9.22	30	
Heptachlor	26.3	3.55	"	28.7	ND	91.6	30-150		10.5	30	
gamma-BHC (Lindane)	29.2	3.55	"	28.7	ND	102	30-150		9.21	30	
Endrin ketone	31.5	3.55	"	28.7	ND	110	30-150		11.2	30	
Endrin aldehyde	27.5	3.55	"	28.7	ND	95.9	30-150		10.2	30	
Endrin	29.2	3.55	"	28.7	ND	102	30-150		13.5	30	
Endosulfan sulfate	30.4	3.55	"	28.7	ND	106	30-150		10.1	30	
Endosulfan II	31.0	3.55	"	28.7	ND	108	30-150		12.4	30	
Endosulfan I	29.8	3.55	"	28.7	ND	104	30-150		5.90	30	
Dieldrin	28.9	3.55	"	28.7	ND	101	30-150		8.88	30	
delta-BHC	26.1	3.55	"	28.7	ND	90.8	30-150		11.1	30	
beta-BHC	31.1	3.55	"	28.7	ND	108	30-150		12.0	30	
alpha-BHC	29.0	3.55	"	28.7	ND	101	30-150		6.60	30	
Aldrin	25.8	3.55	"	28.7	ND	89.9	30-150		12.3	30	
4,4'-DDT	22.7	3.55	"	28.7	ND	79.2	30-150		6.27	30	
4,4'-DDE	24.2	3.55	"	28.7	ND	84.3	30-150		14.4	30	
4,4'-DDD	27.7	3.55	"	28.7	ND	96.7	30-150		12.8	30	
Surrogate: Tetrachloro-m-xylene	*48.4*		*"*	*71.8*		*67.5*	*30-150*				
Surrogate: Decachlorobiphenyl	*35.8*		*"*	*71.8*		*49.9*	*30-150*				

YORK
ANALYTICAL LABORATORIES, INC.

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10132 - EPA SW 846-3050B											
Blank (BH10132-BLK1)						Prepared & Analyzed: 08/03/2011					
Aluminum	ND	2.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	0.500	"								
Barium	ND	0.500	"								
Beryllium	ND	0.010	"								
Cadmium	ND	0.500	"								
Calcium	ND	2.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	1.00	"								
Lead	ND	0.300	"								
Magnesium	ND	2.00	"								
Manganese	ND	1.00	"								
Nickel	ND	0.500	"								
Potassium	ND	10.0	"								
Selenium	ND	0.500	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	0.500	"								
Vanadium	ND	0.500	"								
Zinc	ND	0.500	"								
Duplicate (BH10132-DUP1)	*Source(Sample used for MS/MSD): 11H0035-01					Prepared & Analyzed: 08/03/2011					
Aluminum	3380	2.39	mg/kg dry		3380				0.00385	35	
Antimony	0.277	0.598	"		ND					35	
Arsenic	1.05	0.598	"		0.819				24.6	35	
Barium	11.6	0.598	"		11.3				1.93	35	
Beryllium	ND	0.012	"		ND					35	
Cadmium	ND	0.598	"		ND					35	
Calcium	292	2.39	"		292				0.0566	35	
Chromium	10.2	0.598	"		9.86				2.99	35	
Cobalt	3.14	0.598	"		3.10				1.16	35	
Copper	5.34	0.598	"		5.10				4.59	35	
Iron	6140	1.20	"		6100				0.720	35	
Lead	3.34	0.359	"		3.32				0.547	35	
Magnesium	1330	2.39	"		1310				1.49	35	
Manganese	46.1	1.20	"		44.9				2.67	35	
Nickel	11.3	0.598	"		11.1				1.83	35	
Potassium	612	12.0	"		609				0.387	35	
Selenium	1.11	0.598	"		1.18				5.38	200	
Silver	ND	0.598	"		ND					35	
Sodium	347	12.0	"		368				5.96	35	
Thallium	ND	0.598	"		ND					35	
Vanadium	11.5	0.598	"		11.3				2.41	35	
Zinc	17.1	0.598	"		16.8				1.48	35	

YORK
ANALYTICAL LABORATORIES, INC.

Metals by EPA 6000 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Batch BH10132 - EPA SW 846-3050B

Matrix Spike (BH10132-MS1) *Source(Sample used for MS/MSD): 11H0035-01 Prepared & Analyzed: 08/03/2011

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	3570	2.39	mg/kg dry	239	3380	80.7	75-125				
Antimony	33.0	0.598	"	29.9	ND	110	75-125				
Arsenic	261	0.598	"	239	0.819	109	75-125				
Barium	274	0.598	"	239	11.3	110	75-125				
Beryllium	6.13	0.012	"	5.98	ND	102	75-125				
Cadmium	6.06	0.598	"	5.98	ND	101	75-125				
Chromium	36.0	0.598	"	23.9	9.86	109	75-125				
Cobalt	69.2	0.598	"	59.8	3.10	110	75-125				
Copper	38.6	0.598	"	29.9	5.10	112	75-125				
Iron	6180	1.20	"	120	6100	68.5	75-125	Low Bias			
Lead	65.4	0.359	"	59.8	3.32	104	75-125				
Magnesium	1300	2.39	"		1310		75-125				
Manganese	111	1.20	"	59.8	44.9	110	75-125				
Nickel	77.7	0.598	"	59.8	11.1	111	75-125				
Potassium	601	12.0	"		609		75-125				
Silver	4.62	0.598	"	5.98	ND	77.2	75-125				
Sodium	337	12.0	"		368		75-125				
Thallium	255	0.598	"	239	ND	107	75-125				
Vanadium	72.9	0.598	"	59.8	11.3	103	75-125				
Zinc	80.7	0.598	"	59.8	16.8	107	75-125				

Reference (BH10132-SRM1) Prepared & Analyzed: 08/03/2011

Aluminum	6260	2.00	mg/kg wet	9780		64.0	44.4-155				
Antimony	109	0.500	"	121		89.8	21.4-251				
Arsenic	109	0.500	"	109		99.9	69.9-131				
Barium	311	0.500	"	325		95.7	74.2-126				
Beryllium	88.5	0.010	"	92.1		96.1	74.5-126				
Cadmium	102	0.500	"	110		92.8	73.3-126				
Calcium	6100	2.00	"	6700		91.0	74-126				
Chromium	83.6	0.500	"	93.4		89.5	69.3-131				
Cobalt	132	0.500	"	133		99.2	74.3-126				
Copper	78.1	0.500	"	74.7		105	73.6-127				
Iron	11200	1.00	"	13100		85.5	32.4-167				
Lead	144	0.300	"	152		94.6	73.7-126				
Magnesium	2520	2.00	"	2980		84.7	65.8-134				
Manganese	428	1.00	"	443		96.7	76.7-124				
Nickel	114	0.500	"	109		105	72.3-127				
Potassium	2190	10.0	"	2770		79.2	61.7-138				
Selenium	203	0.500	"	207		98.2	68.6-131				
Silver	48.0	0.500	"	51.9		92.5	66.5-133				
Sodium	651	10.0	"	724		89.9	56.6-144				
Thallium	167	0.500	"	171		97.6	68.4-131				
Vanadium	99.2	0.500	"	110		90.1	67-133				
Zinc	282	0.500	"	299		94.3	71.6-128				

YORK
ANALYTICAL LABORATORIES, INC.

Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH10072 - EPA SW846-7471											
Blank (BH10072-BLK1)						Prepared & Analyzed: 08/02/2011					
Mercury	ND	0.100	mg/kg wet								
LCS (BH10072-BS1)						Prepared & Analyzed: 08/02/2011					
Mercury	2.84		mg/kg	2.96		95.9	80-120				

YORK
ANALYTICAL LABORATORIES, INC.

Notes and Definitions

S-BN	Base/Neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page____ of____

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 11H0035

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro Tech Env. Corp	Company:	Company:	110150	RUSH - Same Day ☐	Summary Report ____
Address: 15 Ocean Ave, 2nd Floor Brooklyn, NY	Address:	Address: 77 Arkay Drive, Suite G, Hauppauge, NY	231 Hudson St.	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718-636 08 00	Phone No.	Phone No. 631-462 58 66	Purchase Order No. 4691	RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Ezgi Karayel	Attention:	Attention: Muslima Wad		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address: ekarayel@hydrotechenvironmental.com	E-Mail Address:	E-Mail Address: mwad@hydrotechenvironmental.com	Samples from: CT__ NY X NJ__	RUSH - Four Day ☐	NY ASP B Package ____
				Standard(5-7 Days) ☒	Electronic Deliverables: EDD (Specify Type) ____ Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Ezgi Karayel
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters		
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity	Nitrate	Color
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity	Nitrite	Phenols
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability	TKN	Cyanide-T
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point	Tot Nitrogen	Cyanide-A
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.	Ammonia-N	BOD5
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs	Chloride	CBOD5
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX	Phosphate	BOD28
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Hazardous Nb Dioxins/Furans	BTU/lb.	Tot. Phos.	COD
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Hazardous Full List	Aquatic Tox.	Oil&Grease	TSS
Halog.only	NJDEP list	App. IX	Chlordane	Indiv Metals	Air TICs	NYCDEP Sewer	TOC	F.O.G.	Total Solids
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos	pH	TDS
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica	MBAS	TPH-1664

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
SP-28	7/26/11	S	TAL Metals, 8081/8082, EPA 8260, EPA 8270	2-(4)oz, 2-(8)oz
SP-29	↓	↓	↓	↓
SP-30	↓	↓	↓	↓

Comments
Samples will be analyzed for "E" designation.

Preservation
Check those Applicable
4°C____ Frozen____ HCl____ MeOH____ HNO$_3$____ H$_2$SO$_4$____ NaOH____
ZnAc Ascorbic Acid Other

Ezgi Karayel 7/28/11 11:05
Samples Relinquished By Date/Time

Samples Relinquished By Date/Time

Samples Received By Date/Time

Samples Received in LAB by 7/28/11 17:20 Date/Time

Temperature on Receipt 5-6 °C

APPENDIX-I

LABORATORY DATA DELIVERABLES FOR GROUNDWATER ANALYTICAL DATA

PHOENIX
Environmental Laboratories, Inc.

Monday, December 27, 2010

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

Project ID: #100253
Sample ID#s: AZ88762 - AZ88770

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88762

Project ID: #100253

Client ID: MW-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	500	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	500	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	500	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	8700	500	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	500	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	500	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	2400	500	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	500	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	500	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	500	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	2500	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	500	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	500	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	2500	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-7

Phoenix I.D.: AZ88762

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	13000	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	2500	ug/L	12/19/10		R/L	SW8260
Benzene	ND	500	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	500	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	250	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	500	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	500	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	2500	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	500	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	500	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	500	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	500	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	500	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	500	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	250	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	250	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	500	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	500	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	500	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	2400	500	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	200	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	ND	500	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	16000	500	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	2500	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	500	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	500	ug/L	12/19/10		R/L	SW8260
Naphthalene	3000	500	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	ND	500	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	690	500	ug/L	12/19/10		R/L	SW8260
o-Xylene	6700	500	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	ND	500	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	ND	500	ug/L	12/19/10		R/L	SW8260
Styrene	ND	500	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	500	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	500	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	2500	ug/L	12/19/10		R/L	SW8260
Toluene	ND	500	ug/L	12/19/10		R/L	SW8260
Total Xylenes	22700	500	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	500	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	250	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	2500	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	500	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	500	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	500	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	500	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	107		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	105		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-7

Phoenix I.D.: AZ88762

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	98		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	50	ug/L	12/21/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	50	ug/L	12/21/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	50	ug/L	12/21/10		HM	SW8270/E625
2-Chloronaphthalene	ND	50	ug/L	12/21/10		HM	SW8270/E625
2-Methylnaphthalene	2300	500	ug/L	12/21/10		HM	SW8270/E625
2-Nitroaniline	ND	500	ug/L	12/21/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	200	ug/L	12/21/10		HM	SW8270/E625
3-Nitroaniline	ND	500	ug/L	12/21/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	50	ug/L	12/21/10		HM	SW8270/E625
4-Chloroaniline	ND	200	ug/L	12/21/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	50	ug/L	12/21/10		HM	SW8270/E625
4-Nitroaniline	ND	500	ug/L	12/21/10		HM	SW8270/E625
Acenaphthene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Acenaphthylene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Anthracene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benz(a)anthracene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzidine	ND	200	ug/L	12/21/10		HM	SW8270/E625
Benzo(a)pyrene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzo(b)fluoranthene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzo(k)fluoranthene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzoic acid	ND	500	ug/L	12/21/10		HM	SW8270/E625
Benzyl Alcohol	ND	50	ug/L	12/21/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	50	ug/L	12/21/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	50	ug/L	12/21/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	50	ug/L	12/21/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Chrysene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Dibenzofuran	ND	50	ug/L	12/21/10		HM	SW8270/E625
Diethyl phthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Dimethylphthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Di-n-butylphthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Di-n-octylphthalate	ND	50	ug/L	12/21/10		HM	SW8270/E625
Fluoranthene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Fluorene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Hexachlorobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Hexachlorobutadiene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Hexachloroethane	ND	50	ug/L	12/21/10		HM	SW8270/E625
Indeno(1,2,3-cd)pyrene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Isophorone	ND	50	ug/L	12/21/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-7

Phoenix I.D.: AZ88762

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	2700	500	ug/L	12/21/10		HM	SW8270/E625
Nitrobenzene	ND	50	ug/L	12/21/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	50	ug/L	12/21/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	50	ug/L	12/21/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	50	ug/L	12/21/10		HM	SW8270/E625
Phenanthrene	ND	50	ug/L	12/21/10		HM	SW8270/E625
Pyrene	ND	50	ug/L	12/21/10		HM	SW8270/E625
QA/QC Surrogates							
% 2-Fluorobiphenyl	*Diluted Out		%	12/21/10		HM	SW8270/E625
% Nitrobenzene-d5	*Diluted Out		%	12/21/10		HM	SW8270/E625
% Terphenyl-d14	*Diluted Out		%	12/21/10		HM	SW8270/E625

Comments:

Elevated reporting limits for volatiles due to dilution for sample matrix.
* Due to matrix interference and/or the presence of a large amount of non-target material in the sample an elevated RL was reported for the semivolatile analysis.

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88763

Project ID: #100253

Client ID: MW-8

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	2.0	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	52	10.0	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	12	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-8

Phoenix I.D.: AZ88763

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	25	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/19/10		R/L	SW8260
Benzene	12	1.0	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	21	1.0	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	3.2	1.0	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	52	10.0	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	250	10.0	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Naphthalene	17	1.0	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	2.2	1.0	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	4.1	1.0	ug/L	12/19/10		R/L	SW8260
o-Xylene	58	1.0	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	1.6	1.0	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	1.1	1.0	ug/L	12/19/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/19/10		R/L	SW8260
Toluene	7.8	1.0	ug/L	12/19/10		R/L	SW8260
Total Xylenes	110	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	6.7	5.0	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	107		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	109		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-8

Phoenix I.D.: AZ88763

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	104		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	20	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	50	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	6.8	5.0	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-8

Phoenix I.D.: AZ88763

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	50		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	87		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	65		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	0.025	0.015	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.064	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	50		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	87		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	65		%	12/20/10		KCA	SW8270 (SIM)

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88764

Project ID: #100253

Client ID: MW-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	21	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	3.8	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-9

Phoenix I.D.: AZ88764

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	25	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/19/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	6.1	1.0	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	2.6	1.0	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Naphthalene	8.0	1.0	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
o-Xylene	3.1	1.0	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/19/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Total Xylenes	9.2	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	107		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	106		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-9

Phoenix I.D.: AZ88764

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	105		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	53	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	21	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	53	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	21	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	53	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	21	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	53	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	21	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.3	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.3	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-9

Phoenix I.D.: AZ88764

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	58		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	85		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	76		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.042	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.016	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.067	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.42	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.42	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	ND	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	58		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	85		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	76		%	12/20/10		KCA	SW8270 (SIM)

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88765

Project ID: #100253

Client ID: MW-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,2-Dichloroethane	ND	0.6	ug/L	12/22/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/22/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/22/10		R/L	SW8260

Project ID: #100253
Client ID: MW-10

Phoenix I.D.: AZ88765

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	25	ug/L	12/22/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/22/10		R/L	SW8260
Benzene	ND	0.7	ug/L	12/22/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/22/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/22/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/22/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/22/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/22/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/22/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
Naphthalene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/22/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/22/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/22/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/22/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/22/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/22/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/22/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	12/22/10		R/L	SW8260
% Bromofluorobenzene	97		%	12/22/10		R/L	SW8260
% Dibromofluoromethane	99		%	12/22/10		R/L	SW8260

Project ID: #100253
Client ID: MW-10

Phoenix I.D.: AZ88765

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	97		%	12/22/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	20	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	50	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-10

Phoenix I.D.: AZ88765

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	61		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	85		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	73		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.015	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.064	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	61		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	85		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	73		%	12/20/10		KCA	SW8270 (SIM)

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88766

Project ID: #100253

Client ID: MW-11

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	10	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	10	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	10	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	760	50.0	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	10	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	10	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	140	10	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	10	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	10	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	10	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	50	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	10	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	10	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	50	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-11

Phoenix I.D.: AZ88766

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	250	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	50	ug/L	12/19/10		R/L	SW8260
Benzene	ND	10	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	10	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	5.0	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	10	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	10	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	50	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	10	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	10	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	10	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	10	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	10	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	10	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	5.0	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	10	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	10	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	10	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	150	10	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	4.0	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	23	10	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	160	10	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	50	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	10	ug/L	12/19/10		R/L	SW8260
Naphthalene	280	10	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	ND	10	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	65	10	ug/L	12/19/10		R/L	SW8260
o-Xylene	ND	10	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	ND	10	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	ND	10	ug/L	12/19/10		R/L	SW8260
Styrene	ND	10	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	10	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	10	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	50	ug/L	12/19/10		R/L	SW8260
Toluene	ND	10	ug/L	12/19/10		R/L	SW8260
Total Xylenes	160	10	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	10	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	50	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	10	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	10	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	10	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	10	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	111		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	106		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-11

Phoenix I.D.: AZ88766

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	99		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	35	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	20	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	50	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	50	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	20	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	200	25	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-11

Phoenix I.D.: AZ88766

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	42		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	>160		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	48		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.040	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	0.024	0.015	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.064	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.40	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	ND	0.24	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	42		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	>160		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	48		%	12/20/10		KCA	SW8270 (SIM)

Comments:

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88767

Project ID: #100253

Client ID: MW-19

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-19

Phoenix I.D.: AZ88767

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	25	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/19/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Naphthalene	ND	1.0	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/19/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	108		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	106		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-19

Phoenix I.D.: AZ88767

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	106		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	54	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	22	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	54	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	22	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	54	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	22	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	54	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	22	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.0	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.4	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.4	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-19

Phoenix I.D.: AZ88767

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	51		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	87		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	64		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.26	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	ND	0.043	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	ND	0.016	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.069	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.26	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.43	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.43	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	ND	0.26	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	51		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	87		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	64		%	12/20/10		KCA	SW8270 (SIM)

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		12/16/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88768

Project ID: #100253

Client ID: MW-X

Parameter	Result	RL	Units	Date	Time	By	Reference
Semi-Volatile Extraction	Completed			12/17/10		F/E	SW3510/3520
Volatiles							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,1-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
1,1,2-Trichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,1-Dichloropropene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,3-Trichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,3-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
1,4-Dichlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2,2-Dichloropropane	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
2-Hexanone	ND	5.0	ug/L	12/19/10		R/L	SW8260
2-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Chlorotoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
4-Methyl-2-pentanone	ND	5.0	ug/L	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-X

Phoenix I.D.: AZ88768

Parameter	Result	RL	Units	Date	Time	By	Reference
Acetone	ND	25	ug/L	12/19/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/L	12/19/10		R/L	SW8260
Benzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromochloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromodichloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Bromoform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Bromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/L	12/19/10		R/L	SW8260
Carbon tetrachloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chlorobenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloroform	ND	1.0	ug/L	12/19/10		R/L	SW8260
Chloromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromochloromethane	ND	0.50	ug/L	12/19/10		R/L	SW8260
Dibromoethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dibromomethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Dichlorodifluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Ethylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Hexachlorobutadiene	ND	0.40	ug/L	12/19/10		R/L	SW8260
Isopropylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
m&p-Xylene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Methyl ethyl ketone	ND	5.0	ug/L	12/19/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	8.6	1.0	ug/L	12/19/10		R/L	SW8260
Methylene chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
Naphthalene	ND	1.0	ug/L	12/19/10		R/L	SW8260
n-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
n-Propylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
o-Xylene	ND	1.0	ug/L	12/19/10		R/L	SW8260
p-Isopropyltoluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
sec-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Styrene	ND	1.0	ug/L	12/19/10		R/L	SW8260
tert-Butylbenzene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrachloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	5.0	ug/L	12/19/10		R/L	SW8260
Toluene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Total Xylenes	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	0.50	ug/L	12/19/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	12/19/10		R/L	SW8260
Trichloroethene	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorofluoromethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Trichlorotrifluoroethane	ND	1.0	ug/L	12/19/10		R/L	SW8260
Vinyl chloride	ND	1.0	ug/L	12/19/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105		%	12/19/10		R/L	SW8260
% Bromofluorobenzene	108		%	12/19/10		R/L	SW8260
% Dibromofluoromethane	106		%	12/19/10		R/L	SW8260

Project ID: #100253
Client ID: MW-X

Phoenix I.D.: AZ88768

Parameter	Result	RL	Units	Date	Time	By	Reference
% Toluene-d8	103		%	12/19/10		R/L	SW8260
Semivolatiles							
1,2,4-Trichlorobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
1,2-Dichlorobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
1,2-Diphenylhydrazine	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
1,3-Dichlorobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
1,4-Dichlorobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
2,4-Dinitrotoluene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
2,6-Dinitrotoluene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
2-Chloronaphthalene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
2-Methylnaphthalene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
2-Nitroaniline	ND	52	ug/L	12/20/10		HM	SW8270/E625
3,3'-Dichlorobenzidine	ND	21	ug/L	12/20/10		HM	SW8270/E625
3-Nitroaniline	ND	52	ug/L	12/20/10		HM	SW8270/E625
4-Bromophenyl phenyl ether	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
4-Chloroaniline	ND	21	ug/L	12/20/10		HM	SW8270/E625
4-Chlorophenyl phenyl ether	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
4-Nitroaniline	ND	52	ug/L	12/20/10		HM	SW8270/E625
Acenaphthene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Anthracene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Benzidine	ND	21	ug/L	12/20/10		HM	SW8270/E625
Benzo(ghi)perylene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Benzoic acid	ND	52	ug/L	12/20/10		HM	SW8270/E625
Benzyl Alcohol	ND	21	ug/L	12/20/10		HM	SW8270/E625
Benzyl butyl phthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethoxy)methane	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroethyl)ether	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Bis(2-chloroisopropyl)ether	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Bis(2-ethylhexyl)phthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Chrysene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Dibenz(a,h)anthracene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Dibenzofuran	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Diethyl phthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Dimethylphthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Di-n-butylphthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Di-n-octylphthalate	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Fluoranthene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Fluorene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Hexachlorobutadiene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Hexachlorocyclopentadiene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Hexachloroethane	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Isophorone	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Naphthalene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Nitrobenzene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodimethylamine	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodi-n-propylamine	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
N-Nitrosodiphenylamine	ND	5.2	ug/L	12/20/10		HM	SW8270/E625
Pyrene	ND	5.2	ug/L	12/20/10		HM	SW8270/E625

Project ID: #100253
Client ID: MW-X

Phoenix I.D.: AZ88768

Parameter	Result	RL	Units	Date	Time	By	Reference
QA/QC Surrogates							
% 2-Fluorobiphenyl	64		%	12/20/10		HM	SW8270/E625
% Nitrobenzene-d5	88		%	12/20/10		HM	SW8270/E625
% Terphenyl-d14	59		%	12/20/10		HM	SW8270/E625
Semivolatiles							
Acenaphthylene	ND	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
Benz(a)anthracene	0.31	0.042	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(a)pyrene	0.34	0.016	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(b)fluoranthene	0.42	0.067	ug/L	12/20/10		KCA	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.42	ug/L	12/20/10		KCA	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.42	ug/L	12/20/10		KCA	SW8270 (SIM)
Phenanthrene	0.32	0.25	ug/L	12/20/10		KCA	SW8270 (SIM)
QA/QC Surrogates							
% 2-Fluorobiphenyl	64		%	12/20/10		KCA	SW8270 (SIM)
% Nitrobenzene-d5	88		%	12/20/10		KCA	SW8270 (SIM)
% Terphenyl-d14	59		%	12/20/10		KCA	SW8270 (SIM)

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/15/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88769

Project ID: #100253

Client ID: SP26 0-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	91		%	12/17/10		JL	E160.3
Soil Extraction for SVOA	Completed			12/17/10		QS/F	SW3545
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
2-Hexanone	ND	27	ug/Kg	12/19/10		H/J	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260

Project ID: #100253
Client ID: SP26 0-2

Phoenix I.D.: AZ88769

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Acetone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	12/19/10		H/J	SW8260
Benzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Bromobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Bromochloromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Bromoform	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Bromomethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Chlorobenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Chloroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Chloroform	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Chloromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Dibromochloromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Dibromoethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Dibromomethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Ethylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
m&p-Xylene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/19/10		H/J	SW8260
Methylene chloride	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Naphthalene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
o-Xylene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Styrene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/19/10		H/J	SW8260
Toluene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Total Xylenes	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/19/10		H/J	SW8260
Trichloroethene	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
Vinyl chloride	ND	5.5	ug/Kg	12/19/10		H/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	115		%	12/19/10		H/J	SW8260
% Bromofluorobenzene	80		%	12/19/10		H/J	SW8260

Project ID: #100253
Client ID: SP26 0-2

Phoenix I.D.: AZ88769

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	113		%	12/19/10		H/J	SW8260
% Toluene-d8	98		%	12/19/10		H/J	SW8260
Semivolatiles							
1,2-Dichlorobenzene	ND	250	ug/Kg	12/19/10		KCA	SW8270
1,2-Diphenylhydrazine	ND	250	ug/Kg	12/19/10		KCA	SW8270
1,3-Dichlorobenzene	ND	250	ug/Kg	12/19/10		KCA	SW8270
1,4-Dichlorobenzene	ND	250	ug/Kg	12/19/10		KCA	SW8270
2,4-Dinitrotoluene	ND	250	ug/Kg	12/19/10		KCA	SW8270
2,6-Dinitrotoluene	ND	250	ug/Kg	12/19/10		KCA	SW8270
2-Chloronaphthalene	ND	250	ug/Kg	12/19/10		KCA	SW8270
2-Methylnaphthalene	ND	250	ug/Kg	12/19/10		KCA	SW8270
2-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	12/19/10		KCA	SW8270
3-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
4-Bromophenyl phenyl ether	ND	250	ug/Kg	12/19/10		KCA	SW8270
4-Chloroaniline	ND	250	ug/Kg	12/19/10		KCA	SW8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	12/19/10		KCA	SW8270
4-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
Acenaphthene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Acenaphthylene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Anthracene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Benz(a)anthracene	500	250	ug/Kg	12/19/10		KCA	SW8270
Benzidine	ND	1400	ug/Kg	12/19/10		KCA	SW8270
Benzo(a)pyrene	550	250	ug/Kg	12/19/10		KCA	SW8270
Benzo(b)fluoranthene	840	250	ug/Kg	12/19/10		KCA	SW8270
Benzo(ghi)perylene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Benzo(k)fluoranthene	280	250	ug/Kg	12/19/10		KCA	SW8270
Benzoic acid	ND	360	ug/Kg	12/19/10		KCA	SW8270
Benzyl alcohol	ND	250	ug/Kg	12/19/10		KCA	SW8270
Benzyl butyl phthalate	ND	250	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroethyl)ether	ND	250	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	12/19/10		KCA	SW8270
Bis(2-ethylhexyl)phthalate	260	250	ug/Kg	12/19/10		KCA	SW8270
Chrysene	410	250	ug/Kg	12/19/10		KCA	SW8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Dibenzofuran	ND	250	ug/Kg	12/19/10		KCA	SW8270
Diethyl phthalate	ND	250	ug/Kg	12/19/10		KCA	SW8270
Dimethylphthalate	ND	250	ug/Kg	12/19/10		KCA	SW8270
Di-n-butylphthalate	ND	250	ug/Kg	12/19/10		KCA	SW8270
Di-n-octylphthalate	ND	250	ug/Kg	12/19/10		KCA	SW8270
Fluoranthene	790	250	ug/Kg	12/19/10		KCA	SW8270
Fluorene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Hexachlorobenzene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Hexachlorobutadiene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Hexachloroethane	ND	250	ug/Kg	12/19/10		KCA	SW8270
Indeno(1,2,3-cd)pyrene	290	250	ug/Kg	12/19/10		KCA	SW8270
Isophorone	ND	250	ug/Kg	12/19/10		KCA	SW8270

Project ID: #100253
Client ID: SP26 0-2

Phoenix I.D.: AZ88769

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	250	ug/Kg	12/19/10		KCA	SW8270
Nitrobenzene	ND	250	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodimethylamine	ND	250	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodiphenylamine	ND	250	ug/Kg	12/19/10		KCA	SW8270
Phenanthrene	330	250	ug/Kg	12/19/10		KCA	SW8270
Pyrene	650	250	ug/Kg	12/19/10		KCA	SW8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	77		%	12/19/10		KCA	SW8270
% Nitrobenzene-d5	70		%	12/19/10		KCA	SW8270
% Terphenyl-d14	80		%	12/19/10		KCA	SW8270

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

December 27, 2010

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

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		12/15/10	0:00
Location Code:	HYDROBRO	Received by:	LB	12/17/10	16:51
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	4477				

Laboratory Data

SDG ID: GAZ88762
Phoenix ID: AZ88770

Project ID: #100253

Client ID: SP26 8-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	93		%	12/17/10		JL	E160.3
Soil Extraction for SVOA	Completed			12/17/10		QS/F	SW3545
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1,1-Trichloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1,2-Trichloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloroethene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,1-Dichloropropene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2,3-Trichloropropane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,2-Dichloropropane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,3-Dichlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,3-Dichloropropane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
1,4-Dichlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
2,2-Dichloropropane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
2-Chlorotoluene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
2-Hexanone	ND	27	ug/Kg	12/19/10		H/J	SW8260
2-Isopropyltoluene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
4-Chlorotoluene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260

Project ID: #100253
Client ID: SP26 8-9

Phoenix I.D.: AZ88770

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Acetone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Acrylonitrile	ND	11	ug/Kg	12/19/10		H/J	SW8260
Benzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Bromobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Bromochloromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Bromodichloromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Bromoform	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Bromomethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Carbon Disulfide	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Carbon tetrachloride	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Chlorobenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Chloroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Chloroform	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Chloromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Dibromochloromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Dibromoethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Dibromomethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Dichlorodifluoromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Ethylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Hexachlorobutadiene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Isopropylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
m&p-Xylene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Methyl Ethyl Ketone	ND	27	ug/Kg	12/19/10		H/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	12/19/10		H/J	SW8260
Methylene chloride	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Naphthalene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
n-Butylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
n-Propylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
o-Xylene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
p-Isopropyltoluene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
sec-Butylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Styrene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
tert-Butylbenzene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Tetrachloroethene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Tetrahydrofuran (THF)	ND	11	ug/Kg	12/19/10		H/J	SW8260
Toluene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Total Xylenes	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	12/19/10		H/J	SW8260
Trichloroethene	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Trichlorofluoromethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Trichlorotrifluoroethane	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
Vinyl chloride	ND	5.4	ug/Kg	12/19/10		H/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	12/19/10		H/J	SW8260
% Bromofluorobenzene	95		%	12/19/10		H/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	104		%	12/19/10		H/J	SW8260
% Toluene-d8	96		%	12/19/10		H/J	SW8260
Semivolatiles							
1,2-Dichlorobenzene	ND	240	ug/Kg	12/19/10		KCA	SW8270
1,2-Diphenylhydrazine	ND	240	ug/Kg	12/19/10		KCA	SW8270
1,3-Dichlorobenzene	ND	240	ug/Kg	12/19/10		KCA	SW8270
1,4-Dichlorobenzene	ND	240	ug/Kg	12/19/10		KCA	SW8270
2,4-Dinitrotoluene	ND	240	ug/Kg	12/19/10		KCA	SW8270
2,6-Dinitrotoluene	ND	240	ug/Kg	12/19/10		KCA	SW8270
2-Chloronaphthalene	ND	240	ug/Kg	12/19/10		KCA	SW8270
2-Methylnaphthalene	ND	240	ug/Kg	12/19/10		KCA	SW8270
2-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	12/19/10		KCA	SW8270
3-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
4-Bromophenyl phenyl ether	ND	240	ug/Kg	12/19/10		KCA	SW8270
4-Chloroaniline	ND	240	ug/Kg	12/19/10		KCA	SW8270
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	12/19/10		KCA	SW8270
4-Nitroaniline	ND	1000	ug/Kg	12/19/10		KCA	SW8270
Acenaphthene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Acenaphthylene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Anthracene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benz(a)anthracene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzidine	ND	1400	ug/Kg	12/19/10		KCA	SW8270
Benzo(a)pyrene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzo(b)fluoranthene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzo(ghi)perylene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzo(k)fluoranthene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzoic acid	ND	350	ug/Kg	12/19/10		KCA	SW8270
Benzyl alcohol	ND	240	ug/Kg	12/19/10		KCA	SW8270
Benzyl butyl phthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroethyl)ether	ND	240	ug/Kg	12/19/10		KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	12/19/10		KCA	SW8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Chrysene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Dibenzofuran	ND	240	ug/Kg	12/19/10		KCA	SW8270
Diethyl phthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Dimethylphthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Di-n-butylphthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Di-n-octylphthalate	ND	240	ug/Kg	12/19/10		KCA	SW8270
Fluoranthene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Fluorene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Hexachlorobenzene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Hexachlorobutadiene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Hexachloroethane	ND	240	ug/Kg	12/19/10		KCA	SW8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Isophorone	ND	240	ug/Kg	12/19/10		KCA	SW8270

Project ID: #100253
Client ID: SP26 8-9

Phoenix I.D.: AZ88770

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Nitrobenzene	ND	240	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodimethylamine	ND	240	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	12/19/10		KCA	SW8270
N-Nitrosodiphenylamine	ND	240	ug/Kg	12/19/10		KCA	SW8270
Phenanthrene	ND	240	ug/Kg	12/19/10		KCA	SW8270
Pyrene	ND	240	ug/Kg	12/19/10		KCA	SW8270
QA/QC Surrogates							
% 2-Fluorobiphenyl	89		%	12/19/10		KCA	SW8270
% Nitrobenzene-d5	82		%	12/19/10		KCA	SW8270
% Terphenyl-d14	83		%	12/19/10		KCA	SW8270

Comments:

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

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 28, 2010

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

December 28, 2010

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 167865, QC Sample No: AZ88004 (AZ88763)							
Volatiles							
1,1,1,2-Tetrachloroethane	ND	99	100	1.0	97	105	7.9
1,1,1-Trichloroethane	ND	107	107	0.0	123	128	4.0
1,1,2,2-Tetrachloroethane	ND	115	112	2.6	116	124	6.7
1,1,2-Trichloroethane	ND	109	107	1.9	118	122	3.3
1,1-Dichloroethane	ND	105	101	3.9	114	119	4.3
1,1-Dichloroethene	ND	104	105	1.0	111	122	9.4
1,1-Dichloropropene	ND	86	88	2.3	96	100	4.1
1,2,3-Trichlorobenzene	ND	97	101	4.0	95	118	21.6
1,2,3-Trichloropropane	ND	111	107	3.7	114	123	7.6
1,2,4-Trichlorobenzene	ND	93	95	2.1	91	110	18.9
1,2,4-Trimethylbenzene	ND	96	96	0.0	89	98	9.6
1,2-Dibromo-3-chloropropane	ND	102	111	8.5	106	116	9.0
1,2-Dichlorobenzene	ND	95	99	4.1	94	105	11.1
1,2-Dichloroethane	ND	118	112	5.2	128	131	2.3
1,2-Dichloropropane	ND	103	99	4.0	104	106	1.9
1,3,5-Trimethylbenzene	ND	93	94	1.1	87	96	9.8
1,3-Dichlorobenzene	ND	94	96	2.1	89	99	10.6
1,3-Dichloropropane	ND	110	107	2.8	105	112	6.5
1,4-Dichlorobenzene	ND	94	97	3.1	92	103	11.3
2,2-Dichloropropane	ND	98	92	6.3	92	94	2.2
2-Chlorotoluene	ND	94	95	1.1	87	95	8.8
2-Hexanone	ND	77	74	4.0	107	123	13.9
2-Isopropyltoluene	ND	89	91	2.2	85	94	10.1
4-Chlorotoluene	ND	93	94	1.1	87	96	9.8
4-Methyl-2-pentanone	ND	97	98	1.0	108	126	15.4
Acetone	ND	99	90	9.5	125	123	1.6
Acrylonitrile	ND	115	107	7.2	120	130	8.0
Benzene	ND	100	99	1.0	104	107	2.8
Bromobenzene	ND	97	98	1.0	94	105	11.1
Bromochloromethane	ND	108	105	2.8	114	122	6.8
Bromodichloromethane	ND	107	104	2.8	114	120	5.1
Bromoform	ND	101	99	2.0	98	108	9.7
Bromomethane	ND	101	103	2.0	81	106	26.7
Carbon Disulfide	ND	95	94	1.1	102	114	11.1
Carbon tetrachloride	ND	95	97	2.1	108	112	3.6
Chlorobenzene	ND	94	94	0.0	93	100	7.3
Chloroethane	ND	110	107	2.8	106	117	9.9
Chloroform	ND	112	109	2.7	126	131	3.9
Chloromethane	ND	102	95	7.1	94	103	9.1
cis-1,2-Dichloroethene	ND	104	103	1.0	113	120	6.0
cis-1,3-Dichloropropene	ND	100	97	3.0	100	105	4.9

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Dibromochloromethane	ND	100	101	1.0	97	105	7.9	
Dibromoethane	ND	111	109	1.8	119	127	6.5	
Dibromomethane	ND	113	111	1.8	121	127	4.8	
Dichlorodifluoromethane	ND	126	126	0.0	112	122	8.5	
Ethylbenzene	ND	91	91	0.0	87	94	7.7	
Hexachlorobutadiene	ND	79	84	6.1	79	90	13.0	
Isopropylbenzene	ND	82	83	1.2	82	92	11.5	
m&p-Xylene	ND	91	92	1.1	87	94	7.7	
Methyl ethyl ketone	ND	101	92	9.3	102	110	7.5	
Methyl t-butyl ether (MTBE)	ND	111	109	1.8	138	148	7.0	
Methylene chloride	ND	108	106	1.9	114	124	8.4	
Naphthalene	ND	95	100	5.1	89	112	22.9	
n-Butylbenzene	ND	93	94	1.1	87	98	11.9	
n-Propylbenzene	ND	91	91	0.0	83	91	9.2	
o-Xylene	ND	92	93	1.1	90	97	7.5	
p-Isopropyltoluene	ND	91	93	2.2	83	93	11.4	
sec-Butylbenzene	ND	93	95	2.1	89	99	10.6	
Styrene	ND	98	99	1.0	98	106	7.8	
tert-Butylbenzene	ND	89	92	3.3	84	92	9.1	
Tetrachloroethene	ND	82	85	3.6	79	86	8.5	
Tetrahydrofuran (THF)	ND	109	99	9.6	110	111	0.9	
Toluene	ND	93	93	0.0	99	104	4.9	
trans-1,2-Dichloroethene	ND	101	100	1.0	106	116	9.0	
trans-1,3-Dichloropropene	ND	105	102	2.9	109	114	4.5	
trans-1,4-dichloro-2-butene	ND	74	80	7.8	61	73	17.9	
Trichloroethene	ND	90	92	2.2	89	97	8.6	
Trichlorofluoromethane	ND	113	113	0.0	123	132	7.1	
Trichlorotrifluoroethane	ND	93	96	3.2	101	112	10.3	
Vinyl chloride	ND	116	112	3.5	99	111	11.4	
% 1,2-dichlorobenzene-d4	101	101	102	1.0	102	105	2.9	
% Bromofluorobenzene	115	109	106	2.8	107	108	0.9	
% Dibromofluoromethane	104	103	102	1.0	113	117	3.5	
% Toluene-d8	93	98	97	1.0	102	101	1.0	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 167699, QC Sample No: AZ88614 (AZ88762, AZ88763, AZ88764, AZ88765, AZ88766, AZ88767, AZ88768)

Semivolatiles

1,2,4-Trichlorobenzene	ND	44	29	41.1				2
1,2-Dichlorobenzene	ND	43	33	26.3				
1,3-Dichlorobenzene	ND	37	31	17.6				
1,4-Dichlorobenzene	ND	38	32	17.1				
2,4-Dinitrotoluene	ND	89	91	2.2				
2,6-Dinitrotoluene	ND	87	87	0.0				
2-Chloronaphthalene	ND	76	42	57.6				
2-Methylnaphthalene	ND	68	36	61.5				
2-Nitroaniline	ND	50	>130	NC				
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC				
3-Nitroaniline	ND	<5	<5	NC				2
4-Bromophenyl phenyl ether	ND	81	70	14.6				
4-Chloroaniline	ND	<5	<5	NC				2
4-Chlorophenyl phenyl ether	ND	82	64	24.7				
4-Nitroaniline	ND	82	91	10.4				

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Acenaphthene	ND	72	57	23.3				
Acenaphthylene	ND	<5	45	NC				2
Anthracene	ND	78	87	10.9				
Azobenzene	ND	30	54	57.1				
Benz(a)anthracene	ND	94	100	6.2				
Benzidine	ND	N/A	N/A	NC				
Benzo(a)pyrene	ND	85	75	12.5				
Benzo(b)fluoranthene	ND	>130	87	NC				
Benzo(ghi)perylene	ND	110	91	18.9				
Benzo(k)fluoranthene	ND	124	89	32.9				
Benzoic acid	ND	N/A	N/A	NC				
Benzyl butyl phthalate	ND	32	88	93.3				
Bis(2-chloroethoxy)methane	ND	<5	33	NC				2
Bis(2-chloroethyl)ether	ND	77	74	4.0				
Bis(2-chloroisopropyl)ether	ND	70	61	13.7				
Bis(2-ethylhexyl)phthalate	ND	98	96	2.1				
Chrysene	ND	97	99	2.0				
Dibenz(a,h)anthracene	ND	118	89	28.0				
Dibenzofuran	ND	82	60	31.0				
Diethyl phthalate	ND	92	94	2.2				
Dimethylphthalate	ND	87	91	4.5				
Di-n-butylphthalate	ND	95	98	3.1				
Di-n-octylphthalate	ND	>130	>130	NC				
Fluoranthene	ND	80	88	9.5				
Fluorene	ND	87	74	16.1				
Hexachlorobenzene	ND	89	81	9.4				
Hexachlorobutadiene	ND	28	<5	NC				2
Hexachlorocyclopentadiene	ND	<5	<5	NC				2
Hexachloroethane	ND	27	28	3.6				2
Indeno(1,2,3-cd)pyrene	ND	110	88	22.2				
Isophorone	ND	80	77	3.8				
Naphthalene	ND	62	38	48.0				
Nitrobenzene	ND	81	75	7.7				
N-Nitrosodimethylamine	ND	76	55	32.1				
N-Nitrosodi-n-propylamine	ND	92	81	12.7				
N-Nitrosodiphenylamine	ND	50	81	47.3				
Phenanthrene	ND	84	81	3.6				
Pyrene	ND	64	89	32.7				
% 2-Fluorobiphenyl	60	76	44	53.3				
% Nitrobenzene-d5	85	74	64	14.5				
% Terphenyl-d14	74	70	81	14.6				

Comment:

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

QA/QC Batch 167851, QC Sample No: AZ88769 (AZ88769, AZ88770)

Volatiles

1,1,1,2-Tetrachloroethane	ND	104	98	5.9	95	94	1.1	
1,1,1-Trichloroethane	ND	102	99	3.0	92	105	13.2	
1,1,2,2-Tetrachloroethane	ND	111	97	13.5	100	95	5.1	
1,1,2-Trichloroethane	ND	111	119	7.0	110	121	9.5	
1,1-Dichloroethane	ND	132	134	1.5	127	138	8.3	2,3
1,1-Dichloroethene	ND	113	118	4.3	106	117	9.9	
1,1-Dichloropropene	ND	99	102	3.0	103	106	2.9	

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
1,2,3-Trichlorobenzene	ND	121	92	27.2	123	98	22.6	
1,2,3-Trichloropropane	ND	111	96	14.5	97	89	8.6	
1,2,4-Trichlorobenzene	ND	101	88	13.8	116	98	16.8	
1,2,4-Trimethylbenzene	ND	98	95	3.1	96	96	0.0	
1,2-Dibromo-3-chloropropane	ND	116	100	14.8	93	82	12.6	
1,2-Dichlorobenzene	ND	99	96	3.1	100	99	1.0	
1,2-Dichloroethane	ND	90	88	2.2	86	87	1.2	
1,2-Dichloropropane	ND	117	116	0.9	112	113	0.9	
1,3,5-Trimethylbenzene	ND	95	93	2.1	94	94	0.0	
1,3-Dichlorobenzene	ND	98	97	1.0	99	99	0.0	
1,3-Dichloropropane	ND	110	104	5.6	99	99	0.0	
1,4-Dichlorobenzene	ND	96	94	2.1	98	98	0.0	
2,2-Dichloropropane	ND	96	98	2.1	93	108	14.9	
2-Chlorotoluene	ND	97	96	1.0	99	101	2.0	
2-Hexanone	ND	100	91	9.4	83	91	9.2	
2-Isopropyltoluene	ND	95	91	4.3	98	98	0.0	
4-Chlorotoluene	ND	100	101	1.0	103	104	1.0	
4-Methyl-2-pentanone	ND	101	98	3.0	104	117	11.8	
Acetone	ND	83	84	1.2	67	77	13.9	
Acrylonitrile	ND	>150	>150	NC	149	>150	NC	
Benzene	ND	105	105	0.0	106	108	1.9	
Bromobenzene	ND	101	98	3.0	95	96	1.0	
Bromochloromethane	ND	122	120	1.7	113	127	11.7	
Bromodichloromethane	ND	93	98	5.2	89	102	13.6	
Bromoform	ND	110	105	4.7	93	98	5.2	
Bromomethane	ND	93	115	21.2	103	111	7.5	
Carbon Disulfide	ND	100	104	3.9	115	135	16.0	
Carbon tetrachloride	ND	88	89	1.1	86	94	8.9	
Chlorobenzene	ND	103	103	0.0	102	107	4.8	
Chloroethane	ND	111	124	11.1	92	106	14.1	
Chloroform	ND	107	108	0.9	98	108	9.7	
Chloromethane	ND	122	129	5.6	146	>150	NC	3
cis-1,2-Dichloroethene	ND	125	127	1.6	120	135	11.8	3
cis-1,3-Dichloropropene	ND	101	107	5.8	101	110	8.5	
Dibromochloromethane	ND	101	101	0.0	90	89	1.1	
Dibromoethane	ND	110	114	3.6	108	123	13.0	
Dibromomethane	ND	103	105	1.9	99	108	8.7	
Dichlorodifluoromethane	ND	126	130	3.1	143	>150	NC	3
Ethylbenzene	ND	98	97	1.0	97	98	1.0	
Hexachlorobutadiene	ND	102	82	21.7	106	94	12.0	
Isopropylbenzene	ND	90	88	2.2	95	95	0.0	
m&p-Xylene	ND	101	98	3.0	102	104	1.9	
Methyl ethyl ketone	ND	107	100	6.8	110	122	10.3	
Methyl t-butyl ether (MTBE)	ND	94	113	18.4	108	121	11.4	
Methylene chloride	ND	115	116	0.9	106	116	9.0	
Naphthalene	ND	142	115	21.0	138	106	26.2	
n-Butylbenzene	ND	95	92	3.2	100	100	0.0	
n-Propylbenzene	ND	100	99	1.0	100	100	0.0	
o-Xylene	ND	97	96	1.0	102	102	0.0	
p-Isopropyltoluene	ND	98	96	2.1	99	97	2.0	
sec-Butylbenzene	ND	98	96	2.1	97	97	0.0	
Styrene	ND	96	101	5.1	105	107	1.9	
tert-Butylbenzene	ND	101	96	5.1	95	95	0.0	

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Tetrachloroethene	ND	102	97	5.0	103	99	4.0	
Tetrahydrofuran (THF)	ND	136	119	13.3	132	148	11.4	
Toluene	ND	104	111	6.5	109	120	9.6	
trans-1,2-Dichloroethene	ND	106	147	32.4	99	147	39.0	2,3
trans-1,3-Dichloropropene	ND	98	102	4.0	96	109	12.7	
trans-1,4-dichloro-2-butene	ND	105	105	0.0	93	99	6.3	
Trichloroethene	ND	113	109	3.6	108	117	8.0	
Trichlorofluoromethane	ND	98	107	8.8	52	62	17.5	
Trichlorotrifluoroethane	ND	96	104	8.0	100	121	19.0	
Vinyl chloride	ND	118	129	8.9	131	136	3.7	3
% 1,2-dichlorobenzene-d4	102	102	99	3.0	98	97	1.0	
% Bromofluorobenzene	91	94	97	3.1	93	101	8.2	
% Dibromofluoromethane	98	107	116	8.1	107	113	5.5	
% Toluene-d8	96	95	104	9.0	100	110	9.5	

QA/QC Batch 167696, QC Sample No: AZ88770 (AZ88769, AZ88770)

Semivolatiles

1,2,4-Trichlorobenzene	ND	66	69	4.4	79	80	1.3
1,2-Dichlorobenzene	ND	71	73	2.8	79	81	2.5
1,3-Dichlorobenzene	ND	67	68	1.5	75	76	1.3
1,4-Dichlorobenzene	ND	66	67	1.5	75	75	0.0
2,4-Dinitrotoluene	ND	81	84	3.6	92	93	1.1
2,6-Dinitrotoluene	ND	78	81	3.8	91	90	1.1
2-Chloronaphthalene	ND	76	78	2.6	89	88	1.1
2-Methylnaphthalene	ND	71	75	5.5	87	86	1.2
2-Nitroaniline	ND	>130	>130	NC	NC	NC	NC
3,3'-Dichlorobenzidine	ND	<5	<5	NC	103	94	9.1
3-Nitroaniline	ND	>130	>130	NC	NC	NC	NC
4-Bromophenyl phenyl ether	ND	73	79	7.9	92	91	1.1
4-Chloroaniline	ND	80	88	9.5	87	80	8.4
4-Chlorophenyl phenyl ether	ND	77	82	6.3	98	96	2.1
4-Nitroaniline	ND	82	85	3.6	90	89	1.1
Acenaphthene	ND	78	81	3.8	91	90	1.1
Acenaphthylene	ND	76	78	2.6	88	86	2.3
Anthracene	ND	83	88	5.8	100	99	1.0
Azobenzene	ND	80	80	0.0	89	87	2.3
Benz(a)anthracene	ND	82	85	3.6	96	94	2.1
Benzidine	ND	43	43	0.0	NC	NC	NC
Benzo(a)pyrene	ND	82	86	4.8	98	95	3.1
Benzo(b)fluoranthene	ND	83	87	4.7	97	95	2.1
Benzo(ghi)perylene	ND	88	93	5.5	100	96	4.1
Benzo(k)fluoranthene	ND	82	86	4.8	102	97	5.0
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC
Benzyl butyl phthalate	ND	82	89	8.2	98	95	3.1
Bis(2-chloroethoxy)methane	ND	68	71	4.3	81	80	1.2
Bis(2-chloroethyl)ether	ND	66	68	3.0	75	75	0.0
Bis(2-chloroisopropyl)ether	ND	64	64	0.0	69	68	1.5
Bis(2-ethylhexyl)phthalate	ND	85	90	5.7	105	100	4.9
Chrysene	ND	86	90	4.5	100	98	2.0
Dibenz(a,h)anthracene	ND	88	96	8.7	111	104	6.5
Dibenzofuran	ND	76	79	3.9	91	88	3.4
Diethyl phthalate	ND	82	84	2.4	97	95	2.1
Dimethylphthalate	ND	80	83	3.7	94	92	2.2

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	
Di-n-butylphthalate	ND	79	82	3.7	95	92	3.2	
Di-n-octylphthalate	ND	>130	>130	NC	NC	NC	NC	
Fluoranthene	ND	79	81	2.5	98	94	4.2	
Fluorene	ND	85	89	4.6	103	101	2.0	
Hexachlorobenzene	ND	80	85	6.1	91	88	3.4	
Hexachlorobutadiene	ND	67	71	5.8	84	84	0.0	
Hexachlorocyclopentadiene	ND	47	52	10.1	44	49	10.8	
Hexachloroethane	ND	70	71	1.4	76	78	2.6	
Indeno(1,2,3-cd)pyrene	ND	87	94	7.7	104	97	7.0	
Isophorone	ND	67	69	2.9	77	77	0.0	
Naphthalene	ND	70	73	4.2	82	82	0.0	
Nitrobenzene	ND	70	73	4.2	80	80	0.0	
N-Nitrosodimethylamine	ND	69	70	1.4	70	73	4.2	
N-Nitrosodi-n-propylamine	ND	74	77	4.0	82	83	1.2	
N-Nitrosodiphenylamine	ND	84	87	3.5	98	98	0.0	
Phenanthrene	ND	79	83	4.9	95	92	3.2	
Pyrene	ND	82	83	1.2	103	98	5.0	
% 2-Fluorobiphenyl	82	70	74	5.6	84	82	2.4	
% Nitrobenzene-d5	77	69	71	2.9	78	78	0.0	
% Terphenyl-d14	72	63	65	3.1	86	81	6.0	

QA/QC Batch 167862, QC Sample No: AZ88862 (AZ88762, AZ88763, AZ88764, AZ88766, AZ88767, AZ88768)

Volatiles

1,1,1,2-Tetrachloroethane	ND	103	105	1.9	95	97	2.1	
1,1,1-Trichloroethane	ND	116	122	5.0	105	112	6.5	
1,1,2,2-Tetrachloroethane	ND	111	121	8.6	116	121	4.2	
1,1,2-Trichloroethane	ND	111	115	3.5	112	115	2.6	
1,1-Dichloroethane	ND	107	115	7.2	104	113	8.3	
1,1-Dichloroethene	ND	114	120	5.1	98	111	12.4	
1,1-Dichloropropene	ND	92	96	4.3	89	92	3.3	
1,2,3-Trichlorobenzene	ND	103	108	4.7	95	103	8.1	
1,2,3-Trichloropropane	ND	111	120	7.8	110	121	9.5	
1,2,4-Trichlorobenzene	ND	97	102	5.0	89	97	8.6	
1,2,4-Trimethylbenzene	ND	96	103	7.0	90	94	4.3	
1,2-Dibromo-3-chloropropane	ND	112	113	0.9	108	115	6.3	
1,2-Dichlorobenzene	ND	98	103	5.0	94	96	2.1	
1,2-Dichloroethane	ND	116	123	5.9	117	122	4.2	
1,2-Dichloropropane	ND	101	108	6.7	101	106	4.8	
1,3,5-Trimethylbenzene	ND	94	101	7.2	87	92	5.6	
1,3-Dichlorobenzene	ND	97	100	3.0	90	92	2.2	
1,3-Dichloropropane	ND	110	115	4.4	105	110	4.7	
1,4-Dichlorobenzene	ND	96	101	5.1	92	95	3.2	
2,2-Dichloropropane	ND	47	49	4.2	<40	<40	NC	2,3
2-Chlorotoluene	ND	93	99	6.3	88	92	4.4	
2-Hexanone	ND	92	113	20.5	126	113	10.9	
2-Isopropyltoluene	ND	92	99	7.3	86	90	4.5	
4-Chlorotoluene	ND	93	101	8.2	88	91	3.4	
4-Methyl-2-pentanone	ND	97	97	0.0	109	115	5.4	
Acetone	ND	109	115	5.4	123	132	7.1	
Acrylonitrile	ND	107	117	8.9	114	122	6.8	
Benzene	ND	100	108	7.7	99	103	4.0	
Bromobenzene	ND	98	103	5.0	95	98	3.1	
Bromochloromethane	ND	109	115	5.4	106	111	4.6	

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Bromodichloromethane	ND	109	115	5.4	108	113	4.5
Bromoform	ND	105	107	1.9	95	99	4.1
Bromomethane	ND	113	121	6.8	76	97	24.3
Carbon Disulfide	ND	99	106	6.8	93	105	12.1
Carbon tetrachloride	ND	105	108	2.8	95	97	2.1
Chlorobenzene	ND	97	101	4.0	91	93	2.2
Chloroethane	ND	111	119	7.0	98	111	12.4
Chloroform	ND	116	124	6.7	113	120	6.0
Chloromethane	ND	100	112	11.3	89	102	13.6
cis-1,2-Dichloroethene	ND	108	115	6.3	103	111	7.5
cis-1,3-Dichloropropene	ND	90	95	5.4	85	89	4.6
Dibromochloromethane	ND	104	107	2.8	96	99	3.1
Dibromoethane	ND	110	117	6.2	113	117	3.5
Dibromomethane	ND	113	120	6.0	115	118	2.6
Dichlorodifluoromethane	ND	135	141	4.3	100	110	9.5
Ethylbenzene	ND	93	97	4.2	86	89	3.4
Hexachlorobutadiene	ND	87	89	2.3	73	80	9.2
Isopropylbenzene	ND	82	87	5.9	84	88	4.7
m&p-Xylene	ND	94	98	4.2	86	88	2.3
Methyl ethyl ketone	ND	92	102	10.3	105	111	5.6
Methyl t-butyl ether (MTBE)	ND	116	122	5.0	128	133	3.8
Methylene chloride	ND	111	118	6.1	106	115	8.1
Naphthalene	ND	103	112	8.4	97	110	12.6
n-Butylbenzene	ND	96	103	7.0	84	93	10.2
n-Propylbenzene	ND	91	97	6.4	82	87	5.9
o-Xylene	ND	95	99	4.1	89	91	2.2
p-Isopropyltoluene	ND	94	100	6.2	83	88	5.8
sec-Butylbenzene	ND	97	103	6.0	88	94	6.6
Styrene	ND	102	108	5.7	96	99	3.1
tert-Butylbenzene	ND	92	98	6.3	84	89	5.8
Tetrachloroethene	ND	88	89	1.1	77	78	1.3
Tetrahydrofuran (THF)	ND	100	110	9.5	106	121	13.2
Toluene	ND	95	101	6.1	94	96	2.1
trans-1,2-Dichloroethene	ND	106	113	6.4	97	106	8.9
trans-1,3-Dichloropropene	ND	94	100	6.2	89	95	6.5
trans-1,4-dichloro-2-butene	ND	87	98	11.9	<40	42	NC
Trichloroethene	ND	93	97	4.2	87	89	2.3
Trichlorofluoromethane	ND	124	130	4.7	106	114	7.3
Trichlorotrifluoroethane	ND	103	105	1.9	88	94	6.6
Vinyl chloride	ND	121	130	7.2	94	106	12.0
% 1,2-dichlorobenzene-d4	105	102	104	1.9	104	103	1.0
% Bromofluorobenzene	116	111	108	2.7	106	110	3.7
% Dibromofluoromethane	104	105	102	2.9	105	105	0.0
% Toluene-d8	94	97	98	1.0	100	101	1.0

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 167954, QC Sample No: AZ89312 (AZ88765, AZ88766)

Volatiles

1,1,1,2-Tetrachloroethane	ND	104	103	1.0	94	99	5.2
1,1,1-Trichloroethane	ND	108	109	0.9	102	100	2.0
1,1,2,2-Tetrachloroethane	ND	104	99	4.9	100	103	3.0
1,1,2-Trichloroethane	ND	106	103	2.9	100	100	0.0

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,1-Dichloroethane	ND	103	105	1.9	106	106	0.0
1,1-Dichloroethene	ND	111	115	3.5	105	106	0.9
1,1-Dichloropropene	ND	101	102	1.0	103	102	1.0
1,2,3-Trichlorobenzene	ND	119	114	4.3	100	111	10.4
1,2,3-Trichloropropane	ND	99	98	1.0	103	106	2.9
1,2,4-Trichlorobenzene	ND	119	116	2.6	102	109	6.6
1,2,4-Trimethylbenzene	ND	108	110	1.8	107	108	0.9
1,2-Dibromo-3-chloropropane	ND	101	103	2.0	95	103	8.1
1,2-Dichlorobenzene	ND	103	104	1.0	97	102	5.0
1,2-Dichloroethane	ND	102	101	1.0	110	111	0.9
1,2-Dichloropropane	ND	104	103	1.0	103	104	1.0
1,3,5-Trimethylbenzene	ND	106	108	1.9	106	108	1.9
1,3-Dichlorobenzene	ND	107	107	0.0	102	104	1.9
1,3-Dichloropropane	ND	104	102	1.9	100	103	3.0
1,4-Dichlorobenzene	ND	106	106	0.0	102	105	2.9
2,2-Dichloropropane	ND	105	107	1.9	84	77	8.7
2-Chlorotoluene	ND	103	105	1.9	101	102	1.0
2-Hexanone	ND	102	95	7.1	105	93	12.1
2-Isopropyltoluene	ND	106	108	1.9	106	107	0.9
4-Chlorotoluene	ND	104	110	5.6	103	106	2.9
4-Methyl-2-pentanone	ND	91	81	11.6	96	98	2.1
Acetone	ND	95	95	0.0	108	117	8.0
Acrylonitrile	ND	106	107	0.9	123	117	5.0
Benzene	ND	102	102	0.0	105	106	0.9
Bromobenzene	ND	105	105	0.0	99	102	3.0
Bromochloromethane	ND	105	104	1.0	100	103	3.0
Bromodichloromethane	ND	104	103	1.0	102	103	1.0
Bromoform	ND	107	104	2.8	93	99	6.3
Bromomethane	ND	118	125	5.8	95	110	14.6
Carbon Disulfide	ND	106	108	1.9	105	106	0.9
Carbon tetrachloride	ND	102	103	1.0	99	97	2.0
Chlorobenzene	ND	105	104	1.0	99	102	3.0
Chloroethane	ND	113	116	2.6	110	115	4.4
Chloroform	ND	104	104	0.0	104	104	0.0
Chloromethane	ND	115	116	0.9	104	110	5.6
cis-1,2-Dichloroethene	ND	105	106	0.9	104	105	1.0
cis-1,3-Dichloropropene	ND	105	106	0.9	101	101	0.0
Dibromochloromethane	ND	102	101	1.0	95	99	4.1
Dibromoethane	ND	109	108	0.9	104	107	2.8
Dibromomethane	ND	104	101	2.9	102	102	0.0
Dichlorodifluoromethane	ND	131	134	2.3	96	98	2.1
Ethylbenzene	ND	107	108	0.9	101	102	1.0
Hexachlorobutadiene	ND	107	112	4.6	96	101	5.1
Isopropylbenzene	ND	98	102	4.0	105	104	1.0
m&p-Xylene	ND	106	108	1.9	103	103	0.0
Methyl ethyl ketone	ND	102	95	7.1	108	122	12.2
Methyl t-butyl ether (MTBE)	ND	99	96	3.1	107	111	3.7
Methylene chloride	ND	101	102	1.0	99	101	2.0
Naphthalene	ND	124	123	0.8	101	117	14.7
n-Butylbenzene	ND	115	117	1.7	110	111	0.9
n-Propylbenzene	ND	109	112	2.7	105	105	0.0
o-Xylene	ND	103	105	1.9	101	103	2.0
p-Isopropyltoluene	ND	114	115	0.9	107	107	0.0

QA/QC Data

SDG I.D.: GAZ88762

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
sec-Butylbenzene	ND	108	112	3.6	107	106	0.9
Styrene	ND	106	108	1.9	104	107	2.8
tert-Butylbenzene	ND	107	110	2.8	105	106	0.9
Tetrachloroethene	ND	100	102	2.0	92	93	1.1
Tetrahydrofuran (THF)	ND	111	112	0.9	128	126	1.6
Toluene	ND	108	107	0.9	102	103	1.0
trans-1,2-Dichloroethene	ND	109	111	1.8	106	105	0.9
trans-1,3-Dichloropropene	ND	111	109	1.8	104	103	1.0
trans-1,4-dichloro-2-butene	ND	129	127	1.6	69	75	8.3
Trichloroethene	ND	105	107	1.9	102	100	2.0
Trichlorofluoromethane	ND	116	117	0.9	102	100	2.0
Trichlorotrifluoroethane	ND	110	111	0.9	100	96	4.1
Vinyl chloride	ND	127	130	2.3	101	103	2.0
% 1,2-dichlorobenzene-d4	99	99	99	0.0	99	101	2.0
% Bromofluorobenzene	104	97	98	1.0	98	99	1.0
% Dibromofluoromethane	100	103	104	1.0	98	100	2.0
% Toluene-d8	94	102	101	1.0	104	103	1.0

Comment:

A blank MS/MSD was analyzed with this batch.

2 = This parameter is outside laboratory lcs/lcsd specified limits.
3 = This parameter is outside laboratory ms/msd specified 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

Phyllis Shiller, Laboratory Director
December 28, 2010

Sample Criteria Exceedences Report

Requested Criteria: GW

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88762	HYDROBR	$8260GWR	Dichlorodifluoromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Chloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Vinyl chloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	2	2	ug/L
AZ88762	HYDROBR	$8260GWR	Vinyl chloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	2	2	ug/L
AZ88762	HYDROBR	$8260GWR	Bromomethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Chloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Chloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Trichlorofluoromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1-Dichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Trichlorotrifluoroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Trichlorotrifluoroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Acetone	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	13000	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Acetone	ug/L	NY	Togs - Water Quality	GA Criteria	ND	13000	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Carbon Disulfide	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Methylene chloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Methylene chloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	trans-1,2-Dichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	trans-1,2-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1-Dichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Acrylonitrile	ug/L	NY	Togs - Water Quality	GA Criteria	ND	2500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	cis-1,2-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	2,2-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Tetrahydrofuran (THF)	ug/L	NY	Togs - Water Quality	GA Criteria	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Methyl ethyl ketone	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Methyl ethyl ketone	ug/L	NY	Togs - Water Quality	GA Criteria	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Bromochloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Chloroform	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	7	7	ug/L
AZ88762	HYDROBR	$8260GWR	Chloroform	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	7	7	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,1-Trichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,1-Trichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1-Dichloropropene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Carbon tetrachloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Carbon tetrachloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	0.7	0.7	ug/L
AZ88762	HYDROBR	$8260GWR	Benzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	1	1	ug/L
AZ88762	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	0.6	0.6	ug/L
AZ88762	HYDROBR	$8260GWR	Trichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88762	HYDROBR	$8260GWR	Trichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	1	1	ug/L
AZ88762	HYDROBR	$8260GWR	Dibromomethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Bromodichloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	250	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	4-Methyl-2-pentanone	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Toluene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Toluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,2-Trichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	1	1	ug/L
AZ88762	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	0.0006	0.0006	ug/L
AZ88762	HYDROBR	$8260GWR	Tetrachloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Tetrachloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,3-Dichloropropane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,3-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	2-Hexanone	ug/L	NY	Togs - Water Quality	GA Criteria	ND	2500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Dibromochloromethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	250	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Dibromochloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	250	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Chlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Chlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,1,2-Tetrachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	2400	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	2400	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	6700	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Togs - Water Quality	GA Criteria	6700	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Styrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Bromoform	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	50	50	ug/L
AZ88762	HYDROBR	$8260GWR	Isopropylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,2,2-Tetrachloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	250	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,1,2,2-Tetrachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	250	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Bromobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	0.04	0.04	ug/L
AZ88762	HYDROBR	$8260GWR	n-Propylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	690	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	2-Chlorotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,3,5-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	2400	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	trans-1,4-dichloro-2-butene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	2500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	4-Chlorotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	tert-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2,4-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	8700	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	sec-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,3-Dichlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88762	HYDROBR	$8260GWR	p-Isopropyltoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,4-Dichlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	2-Isopropyltoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	n-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	1,2-Dichlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	500	4.7	4.7	ug/L
AZ88762	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	0.04	0.04	ug/L
AZ88762	HYDROBR	$8260GWR	Hexachlorobutadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	200	0.5	0.5	ug/L
AZ88762	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	3000	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	3000	500	10	10	ug/L
AZ88762	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	22700	500	5	5	ug/L
AZ88762	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Togs - Water Quality	GA Criteria	22700	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	1	1	ug/L
AZ88762	HYDROBR	$BN_WMR	Hexachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Nitrobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.4	0.4	ug/L
AZ88762	HYDROBR	$BN_WMR	Bis(2-chloroethoxy)methane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Naphthalene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	2700	500	10	10	ug/L
AZ88762	HYDROBR	$BN_WMR	Naphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	2700	500	10	10	ug/L
AZ88762	HYDROBR	$BN_WMR	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	200	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	200	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Hexachlorobutadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.5	0.5	ug/L
AZ88762	HYDROBR	$BN_WMR	2-Methylnaphthalene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	2300	500	50	50	ug/L
AZ88762	HYDROBR	$BN_WMR	Hexachlorocyclopentadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2-Chloronaphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	10	10	ug/L
AZ88762	HYDROBR	$BN_WMR	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2,6-Dinitrotoluene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2,6-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Acenaphthylene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	20	20	ug/L
AZ88762	HYDROBR	$BN_WMR	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Acenaphthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	20	20	ug/L
AZ88762	HYDROBR	$BN_WMR	Acenaphthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	20	20	ug/L
AZ88762	HYDROBR	$BN_WMR	Dibenzofuran	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2,4-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	500	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	1,2-Diphenylhydrazine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.35	0.35	ug/L
AZ88762	HYDROBR	$BN_WMR	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.04	0.04	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	200	5	5	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88762	HYDROBR	$BN_WMR	Bis(2-ethylhexyl)phthalate	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	200	5	5	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	0.002	0.002	ug/L
AZ88762	HYDROBR	$BN_WMR	Benzo(ghi)perylene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	12	1.0	0.7	0.7	ug/L
AZ88763	HYDROBR	$8260GWR	Benzene	ug/L	NY	Togs - Water Quality	GA Criteria	12	1.0	1	1	ug/L
AZ88763	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.6	0.6	ug/L
AZ88763	HYDROBR	$8260GWR	Toluene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	7.8	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	Toluene	ug/L	NY	Togs - Water Quality	GA Criteria	7.8	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	1,1,2-Trichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	2.0	1.0	1	1	ug/L
AZ88763	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.0006	0.0006	ug/L
AZ88763	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	21	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	21	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	58	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Togs - Water Quality	GA Criteria	58	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88763	HYDROBR	$8260GWR	1,3,5-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	12	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	trans-1,4-dichloro-2-butene	ug/L	NY	Togs - Water Quality	GA Criteria	6.7	5.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	1,2,4-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	52	10.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88763	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	17	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	17	1.0	10	10	ug/L
AZ88763	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	110	1.0	5	5	ug/L
AZ88763	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Togs - Water Quality	GA Criteria	110	1.0	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	1	1	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.4	0.4	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	20	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88763	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.35	0.35	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.04	0.04	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.040	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.040	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.064	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.064	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.24	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.24	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	0.025	0.015	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.40	0.002	0.002	ug/L
AZ88763	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.40	0.002	0.002	ug/L
AZ88764	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	1.0	0.7	0.7	ug/L
AZ88764	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.6	0.6	ug/L
AZ88764	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.0006	0.0006	ug/L
AZ88764	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88764	HYDROBR	$8260GWR	1,2,4-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	21	1.0	5	5	ug/L
AZ88764	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88764	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	8.0	1.0	5	5	ug/L
AZ88764	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	9.2	1.0	5	5	ug/L
AZ88764	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Togs - Water Quality	GA Criteria	9.2	1.0	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	1	1	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Hexachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	0.4	0.4	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethoxy)methane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	21	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Hexachlorocyclopentadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	53	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	2,6-Dinitrotoluene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	2,6-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L

Sample Criteria Exceedences Report

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SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88764	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	53	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	53	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Dibenzofuran	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	2,4-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	53	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	53	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	1,2-Diphenylhydrazine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	0.35	0.35	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	0.04	0.04	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Bis(2-ethylhexyl)phthalate	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.3	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMFS	Benzo(ghi)perylene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.3	5	5	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.042	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.042	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.067	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.067	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.25	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.25	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.016	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.42	0.002	0.002	ug/L
AZ88764	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.42	0.002	0.002	ug/L
AZ88765	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.0006	0.0006	ug/L
AZ88765	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88765	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	1	1	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.4	0.4	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	20	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.35	0.35	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.04	0.04	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L

Sample Criteria Exceedences Report

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SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88765	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.040	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.040	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.064	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.064	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.24	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.24	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.015	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.40	0.002	0.002	ug/L
AZ88765	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.40	0.002	0.002	ug/L
AZ88766	HYDROBR	$8260GWR	Dichlorodifluoromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Chloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Vinyl chloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	2	2	ug/L
AZ88766	HYDROBR	$8260GWR	Vinyl chloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	2	2	ug/L
AZ88766	HYDROBR	$8260GWR	Bromomethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Chloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Trichlorofluoromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1-Dichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Trichlorotrifluoroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Trichlorotrifluoroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Acetone	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	250	50	50	ug/L
AZ88766	HYDROBR	$8260GWR	Acetone	ug/L	NY	Togs - Water Quality	GA Criteria	ND	250	50	50	ug/L
AZ88766	HYDROBR	$8260GWR	Methylene chloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Methylene chloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	trans-1,2-Dichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	trans-1,2-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1-Dichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Acrylonitrile	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	cis-1,2-Dichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	2,2-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Bromochloromethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Chloroform	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	7	7	ug/L
AZ88766	HYDROBR	$8260GWR	Chloroform	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	7	7	ug/L
AZ88766	HYDROBR	$8260GWR	1,1,1-Trichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1,1-Trichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

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SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88766	HYDROBR	$8260GWR	1,1-Dichloropropene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Carbon tetrachloride	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Carbon tetrachloride	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	0.7	0.7	ug/L
AZ88766	HYDROBR	$8260GWR	Benzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	1	1	ug/L
AZ88766	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	0.6	0.6	ug/L
AZ88766	HYDROBR	$8260GWR	Trichloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Trichloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	1	1	ug/L
AZ88766	HYDROBR	$8260GWR	Dibromomethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Toluene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Toluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1,2-Trichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	1	1	ug/L
AZ88766	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	0.0006	0.0006	ug/L
AZ88766	HYDROBR	$8260GWR	Tetrachloroethene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Tetrachloroethene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,3-Dichloropropane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,3-Dichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Chlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Chlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,1,1,2-Tetrachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	150	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Ethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	150	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	o-Xylene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Styrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Isopropylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	23	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Bromobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	0.04	0.04	ug/L
AZ88766	HYDROBR	$8260GWR	n-Propylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	65	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	2-Chlorotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,3,5-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	140	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	trans-1,4-dichloro-2-butene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	4-Chlorotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	tert-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2,4-Trimethylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	760	50.0	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	sec-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	p-Isopropyltoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88766	HYDROBR	$8260GWR	2-Isopropyltoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	n-Butylbenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	1,2-Dichlorobenzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	10	4.7	4.7	ug/L
AZ88766	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	10	0.04	0.04	ug/L
AZ88766	HYDROBR	$8260GWR	Hexachlorobutadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	4.0	0.5	0.5	ug/L
AZ88766	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	280	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Naphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	280	10	10	10	ug/L
AZ88766	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	160	10	5	5	ug/L
AZ88766	HYDROBR	$8260GWR	Total Xylenes	ug/L	NY	Togs - Water Quality	GA Criteria	160	10	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	1	1	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.4	0.4	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Naphthalene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	200	25	10	10	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Naphthalene	ug/L	NY	Togs - Water Quality	GA Criteria	200	25	10	10	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	20	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Hexachlorobutadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.5	0.5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	50	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	50	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.35	0.35	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.04	0.04	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.0	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.0	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	20	5	5	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.040	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.040	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.064	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.064	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.24	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.24	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	0.024	0.015	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.40	0.002	0.002	ug/L
AZ88766	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.40	0.002	0.002	ug/L
AZ88767	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	1.0	0.7	0.7	ug/L
AZ88767	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.6	0.6	ug/L
AZ88767	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.0006	0.0006	ug/L

Sample Criteria Exceedences Report

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88767	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88767	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.4	1	1	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.4	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.4	0.4	0.4	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	22	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	22	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	54	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	54	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	54	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	54	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	54	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.4	0.35	0.35	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.4	0.04	0.04	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	22	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.4	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.4	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	22	5	5	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.043	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.043	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.069	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.069	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.26	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.26	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.016	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.43	0.002	0.002	ug/L
AZ88767	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.43	0.002	0.002	ug/L
AZ88768	HYDROBR	$8260GWR	Benzene	ug/L	NY	Tagm - Volatile Organics	Groundwater Standard	ND	1.0	0.7	0.7	ug/L
AZ88768	HYDROBR	$8260GWR	1,2-Dichloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.6	0.6	ug/L
AZ88768	HYDROBR	$8260GWR	Dibromoethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.0006	0.0006	ug/L
AZ88768	HYDROBR	$8260GWR	1,2,3-Trichloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88768	HYDROBR	$8260GWR	1,2-Dibromo-3-chloropropane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	1.0	0.04	0.04	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethyl)ether	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	1	1	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Hexachloroethane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Nitrobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	0.4	0.4	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Bis(2-chloroethoxy)methane	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	21	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	4-Chloroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: GW

GAZ88762

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ88768	HYDROBR	$BNWM-SIMFS	Hexachlorocyclopentadiene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	4-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	52	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	2,6-Dinitrotoluene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	2,6-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	52	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	3-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	52	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Dibenzofuran	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	2,4-Dinitrotoluene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	52	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	2-Nitroaniline	ug/L	NY	Togs - Water Quality	GA Criteria	ND	52	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	1,2-Diphenylhydrazine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	0.35	0.35	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Hexachlorobenzene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	0.04	0.04	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Benzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Bis(2-ethylhexyl)phthalate	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Chrysene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	5.2	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	3,3'-Dichlorobenzidine	ug/L	NY	Togs - Water Quality	GA Criteria	ND	21	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMFS	Benzo(ghi)perylene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	5.2	5	5	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	0.31	0.042	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benz(a)anthracene	ug/L	NY	Togs - Water Quality	GA Criteria	0.31	0.042	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	0.42	0.067	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benzo(b)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	0.42	0.067	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.25	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benzo(k)fluoranthene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.25	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Benzo(a)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	0.34	0.016	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Tagm - Semi-volatiles	Groundwater Standard	ND	0.42	0.002	0.002	ug/L
AZ88768	HYDROBR	$BNWM-SIMR	Indeno(1,2,3-cd)pyrene	ug/L	NY	Togs - Water Quality	GA Criteria	ND	0.42	0.002	0.002	ug/L

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

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

NY Temperature Narration

December 28, 2010

SDG I.D.: GAZ88762

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

NY/NJ CHAIN OF CUSTODY RECORD

PHOENIX *Environmental Laboratories, Inc.*
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726 #100253

Temp 1/ Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: pmalli@hydrotech envir...

Customer: Hydro Tech Env - Corp
Address: 15 Ocean Ave well, Bkly - NY 11225

Project: 501 Canal / 239 Hudson St, NY NY
Report to: Paul R. Matt.
Invoice to: HTC Comments

Project P.O: 4477
Phone #: 718 636 0800
Fax #: 718 636 0900

Client Sample - Information - Identification
Sampler's Signature: Humberto Date: 12/16/10

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

Analysis Request: GPA 8260; GPA 8270-BN

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	GPA 8260	GPA 8270-BN	Lab #	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (6) oz	GL Soil container (2) oz	40 ml VOA Vial [ ] As is [3] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
~~88992~~	MW-7	GW	12/16/10	AM	↑	↑	88762		1	1	↑	↑					
~~88993~~	MW-8	↑	↑	↑			88763										
~~88994~~	MW-9						88764										
~~88995~~	MW-10						88765										
88996	MW-11						88766										
	MW-A						88767										
	MW-X	↓	↓	↓	↓	↓	88768				↓	↓					
	SP-26 0'-2'	S	12/15/10	↑	↑	↑	88769		✓	✓							
	SP-26 8'-9'	S	12/15/10	↓	↓	↓	88770		✓	✓							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	12-17-10	11:35 AM
[signature]	[signature]	12-17-10	16:51

Comments, Special Requirements or Regulations:
Results needed on 5 day TAT on Dec 30, 2010

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 5 Days
☐ 10 Days
☒ Other 5 day
* SURCHARGE APPLIES

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

NY
☒ TOGS GA
☐ TAGM 4046 SOIL
☐ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

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

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

State where samples were collected: NYC

APPENDIX-J

LABORATORY DELIVERABLES FOR SOIL VAPOR ANALYTICAL DATA

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Report Date: 08/08/2011
Client Project ID: #110150-231 Hudson Street
York Project (SDG) No.: 11H0116

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 08/08/2011
Client Project ID: #110150-231 Hudson Street
York Project (SDG) No.: 11H0116

Hydro Tech Environmental (Brooklyn)
15 Ocean Avenue
Brooklyn NY, 11225
Attention: Ezgi Karayel

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 02, 2011 and listed below. The project was identified as your project: **#110150-231 Hudson Street**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
11H0116-01	SV-1	Soil Vapor	07/29/2011	08/02/2011
11H0116-02	SV-6	Soil Vapor	07/29/2011	08/02/2011
11H0116-03	SV-2	Soil Vapor	07/29/2011	08/02/2011
11H0116-04	SV-4	Soil Vapor	07/29/2011	08/02/2011
11H0116-05	SV-5	Soil Vapor	07/29/2011	08/02/2011

General Notes for York Project (SDG) No.: 11H0116

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 08/08/2011

Robert Q. Bradley
Executive Vice President / Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-1** **York Sample ID:** **11H0116-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.95	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.28	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-34-3	1,1-Dichloroethane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.87	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
107-06-2	1,2-Dichloroethane	ND		ppbv	0.95	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
78-87-5	1,2-Dichloropropane	ND		ppbv	0.87	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.67	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.51	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
106-99-0	1,3-Butadiene	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.87	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
123-91-1	1,4-Dioxane	ND		ppbv	3.5	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
540-84-1	2,2,4-Trimethylpentane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
78-93-3	**2-Butanone**	**58**		ppbv	1.6	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
591-78-6	2-Hexanone	ND		ppbv	2.2	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
107-05-1	3-Chloropropene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
108-10-1	4-Methyl-2-pentanone	ND		ppbv	1.4	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
67-64-1	**Acetone**	**260**		ppbv	1.2	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
71-43-2	Benzene	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
100-44-7	Benzyl chloride	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-27-4	Bromodichloromethane	ND		ppbv	0.95	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-25-2	Bromoform	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
74-83-9	Bromomethane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-15-0	Carbon disulfide	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
56-23-5	Carbon tetrachloride	ND		ppbv	0.47	2.0	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
108-90-7	Chlorobenzene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-00-3	Chloroethane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
67-66-3	Chloroform	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
74-87-3	**Chloromethane**	**30**		ppbv	1.2	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD

YORK
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Sample Information

Client Sample ID: **SV-1** **York Sample ID:** **11H0116-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	**cis-1,2-Dichloroethylene**	**10**		ppbv	0.67	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
110-82-7	Cyclohexane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
141-78-6	**Ethyl acetate**	**64**		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
100-41-4	Ethyl Benzene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
87-68-3	Hexachlorobutadiene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
67-63-0	**Isopropanol**	**8.7**		ppbv	1.4	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-09-2	Methylene chloride	ND		ppbv	0.95	20	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
142-82-5	n-Heptane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
110-54-3	n-Hexane	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
95-47-6	o-Xylene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
1330-20-7P/M	p- & m- Xylenes	ND		ppbv	1.3	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
622-96-8	p-Ethyltoluene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
115-07-01	**Propylene**	**5.1**		ppbv	1.8	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
100-42-5	Styrene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
127-18-4	**Tetrachloroethylene**	**5.1**		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
109-99-9	Tetrahydrofuran	ND		ppbv	0.98	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
108-88-3	**Toluene**	**4.7**		ppbv	0.95	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.47	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.71	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
79-01-6	Trichloroethylene	ND		ppbv	0.47	2.0	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.24	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
108-05-4	Vinyl acetate	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
593-60-2	Vinyl bromide	ND		ppbv	0.59	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD
75-01-4	**Vinyl Chloride**	**3.9**		ppbv	0.95	3.9	39.38	EPA Compendium TO-15	08/05/2011 23:48	08/05/2011 23:48	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.2 %*	*70-130*

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **11H0116-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **11H0116-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.40	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.12	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-34-3	1,1-Dichloroethane	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.37	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
107-06-2	1,2-Dichloroethane	ND		ppbv	0.40	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
78-87-5	1,2-Dichloropropane	ND		ppbv	0.37	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.29	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.22	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
106-99-0	1,3-Butadiene	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.37	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
123-91-1	1,4-Dioxane	ND		ppbv	1.5	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
540-84-1	2,2,4-Trimethylpentane	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
78-93-3	**2-Butanone**	**90**		ppbv	0.67	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
591-78-6	2-Hexanone	ND		ppbv	0.93	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
107-05-1	3-Chloropropene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.61	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
67-64-1	**Acetone**	**70**		ppbv	0.52	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
71-43-2	Benzene	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
100-44-7	Benzyl chloride	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-27-4	Bromodichloromethane	ND		ppbv	0.40	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-25-2	Bromoform	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
74-83-9	Bromomethane	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-15-0	Carbon disulfide	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
56-23-5	Carbon tetrachloride	ND		ppbv	0.20	0.84	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
108-90-7	Chlorobenzene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-00-3	Chloroethane	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
67-66-3	Chloroform	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
74-87-3	**Chloromethane**	**36**		ppbv	0.51	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.29	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-6** **York Sample ID:** **11H0116-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
110-82-7	**Cyclohexane**	**2.0**		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
141-78-6	**Ethyl acetate**	**7.6**		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
100-41-4	Ethyl Benzene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
87-68-3	Hexachlorobutadiene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
67-63-0	**Isopropanol**	**3.7**		ppbv	0.59	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-09-2	Methylene chloride	ND		ppbv	0.40	8.4	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
142-82-5	n-Heptane	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
110-54-3	**n-Hexane**	**2.2**		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
95-47-6	o-Xylene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
1330-20-7P/M	p- & m- Xylenes	ND		ppbv	0.57	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
622-96-8	p-Ethyltoluene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
115-07-01	**Propylene**	**16**		ppbv	0.78	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
100-42-5	Styrene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
127-18-4	**Tetrachloroethylene**	**4.2**		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
109-99-9	Tetrahydrofuran	ND		ppbv	0.42	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
108-88-3	**Toluene**	**2.9**		ppbv	0.40	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.20	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.30	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
79-01-6	Trichloroethylene	ND		ppbv	0.20	0.84	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.10	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
108-05-4	Vinyl acetate	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
593-60-2	Vinyl bromide	ND		ppbv	0.25	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD
75-01-4	Vinyl Chloride	ND		ppbv	0.40	1.7	16.86	EPA Compendium TO-15	08/06/2011 00:35	08/06/2011 00:35	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.2 %*	*70-130*

Sample Information

Client Sample ID: **SV-2** **York Sample ID:** **11H0116-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-2** **York Sample ID:** **11H0116-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.58	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.17	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-34-3	1,1-Dichloroethane	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.53	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
107-06-2	1,2-Dichloroethane	ND		ppbv	0.58	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
78-87-5	1,2-Dichloropropane	ND		ppbv	0.53	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.41	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
108-67-8	**1,3,5-Trimethylbenzene**	**2.6**		ppbv	0.31	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
106-99-0	1,3-Butadiene	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.53	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
123-91-1	1,4-Dioxane	ND		ppbv	2.2	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
540-84-1	2,2,4-Trimethylpentane	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
78-93-3	**2-Butanone**	**330**		ppbv	0.96	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
591-78-6	**2-Hexanone**	**72**		ppbv	1.3	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
107-05-1	3-Chloropropene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
108-10-1	**4-Methyl-2-pentanone**	**2.6**		ppbv	0.86	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
67-64-1	**Acetone**	**94**		ppbv	0.74	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
71-43-2	Benzene	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
100-44-7	Benzyl chloride	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-27-4	Bromodichloromethane	ND		ppbv	0.58	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-25-2	Bromoform	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
74-83-9	Bromomethane	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-15-0	Carbon disulfide	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
56-23-5	Carbon tetrachloride	ND		ppbv	0.29	1.2	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
108-90-7	Chlorobenzene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-00-3	Chloroethane	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
67-66-3	Chloroform	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
74-87-3	**Chloromethane**	**59**		ppbv	0.72	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.41	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-2** **York Sample ID:** **11H0116-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
110-82-7	**Cyclohexane**	**4.8**		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
141-78-6	Ethyl acetate	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
100-41-4	Ethyl Benzene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
87-68-3	Hexachlorobutadiene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
67-63-0	**Isopropanol**	**3.4**		ppbv	0.84	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-09-2	Methylene chloride	ND		ppbv	0.58	12	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
142-82-5	n-Heptane	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
110-54-3	**n-Hexane**	**2.6**		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
95-47-6	o-Xylene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
1330-20-7P/M	p- & m- Xylenes	ND		ppbv	0.82	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
622-96-8	p-Ethyltoluene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
115-07-01	**Propylene**	**15**		ppbv	1.1	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
100-42-5	Styrene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
127-18-4	**Tetrachloroethylene**	**16**		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
109-99-9	Tetrahydrofuran	ND		ppbv	0.60	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
108-88-3	Toluene	ND		ppbv	0.58	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.29	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.43	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
79-01-6	**Trichloroethylene**	**28**		ppbv	0.29	1.2	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.14	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
108-05-4	Vinyl acetate	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
593-60-2	Vinyl bromide	ND		ppbv	0.36	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD
75-01-4	Vinyl Chloride	ND		ppbv	0.58	2.4	24	EPA Compendium TO-15	08/06/2011 01:22	08/06/2011 01:22	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.5 %*	*70-130*

Sample Information

Client Sample ID: **SV-4** **York Sample ID:** **11H0116-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-4** **York Sample ID:** **11H0116-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.57	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.17	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-34-3	1,1-Dichloroethane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.53	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
107-06-2	1,2-Dichloroethane	ND		ppbv	0.57	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
78-87-5	1,2-Dichloropropane	ND		ppbv	0.53	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
76-14-2	**1,2-Dichlorotetrafluoroethane**	**6.7**		ppbv	0.41	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ppbv	0.31	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
106-99-0	1,3-Butadiene	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.53	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
123-91-1	1,4-Dioxane	ND		ppbv	2.2	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
540-84-1	2,2,4-Trimethylpentane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
78-93-3	**2-Butanone**	**400**		ppbv	0.96	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
591-78-6	**2-Hexanone**	**63**		ppbv	1.3	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
107-05-1	3-Chloropropene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.86	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
67-64-1	**Acetone**	**120**		ppbv	0.74	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
71-43-2	Benzene	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
100-44-7	Benzyl chloride	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-27-4	Bromodichloromethane	ND		ppbv	0.57	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-25-2	Bromoform	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
74-83-9	Bromomethane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-15-0	Carbon disulfide	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
56-23-5	Carbon tetrachloride	ND		ppbv	0.29	1.2	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
108-90-7	Chlorobenzene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-00-3	Chloroethane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
67-66-3	Chloroform	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
74-87-3	**Chloromethane**	**2.9**		ppbv	0.72	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.41	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD

Sample Information

Client Sample ID: **SV-4** **York Sample ID:** **11H0116-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
110-82-7	**Cyclohexane**	**5.3**		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-71-8	**Dichlorodifluoromethane**	**6.7**		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
141-78-6	**Ethyl acetate**	**2.4**		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
100-41-4	Ethyl Benzene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
87-68-3	Hexachlorobutadiene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
67-63-0	Isopropanol	ND		ppbv	0.84	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-09-2	Methylene chloride	ND		ppbv	0.57	12	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
142-82-5	n-Heptane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
110-54-3	n-Hexane	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
95-47-6	o-Xylene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
1330-20-7P/M	p- & m- Xylenes	ND		ppbv	0.81	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
622-96-8	p-Ethyltoluene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
115-07-01	**Propylene**	**13**		ppbv	1.1	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
100-42-5	Styrene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
127-18-4	Tetrachloroethylene	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
109-99-9	Tetrahydrofuran	ND		ppbv	0.60	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
108-88-3	Toluene	ND		ppbv	0.57	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.29	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.43	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
79-01-6	**Trichloroethylene**	**1.9**		ppbv	0.29	1.2	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.14	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
108-05-4	Vinyl acetate	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
593-60-2	Vinyl bromide	ND		ppbv	0.36	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD
75-01-4	Vinyl Chloride	ND		ppbv	0.57	2.4	23.89	EPA Compendium TO-15	08/06/2011 02:09	08/06/2011 02:09	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.9 %*	*70-130*

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **11H0116-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **11H0116-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.65	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.19	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-34-3	1,1-Dichloroethane	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.60	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
107-06-2	1,2-Dichloroethane	ND		ppbv	0.65	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
78-87-5	**1,2-Dichloropropane**	**5.1**		ppbv	0.60	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.46	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
108-67-8	**1,3,5-Trimethylbenzene**	**2.7**		ppbv	0.35	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
106-99-0	1,3-Butadiene	ND		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.60	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
123-91-1	1,4-Dioxane	ND		ppbv	2.4	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
540-84-1	**2,2,4-Trimethylpentane**	**6.0**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
78-93-3	**2-Butanone**	**790**		ppbv	1.1	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
591-78-6	**2-Hexanone**	**110**		ppbv	1.5	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
107-05-1	3-Chloropropene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
108-10-1	**4-Methyl-2-pentanone**	**7.0**		ppbv	0.98	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
67-64-1	**Acetone**	**190**		ppbv	0.84	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
71-43-2	Benzene	ND		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
100-44-7	Benzyl chloride	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-27-4	Bromodichloromethane	ND		ppbv	0.65	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-25-2	Bromoform	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
74-83-9	Bromomethane	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-15-0	Carbon disulfide	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
56-23-5	Carbon tetrachloride	ND		ppbv	0.33	1.4	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
108-90-7	Chlorobenzene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-00-3	Chloroethane	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
67-66-3	Chloroform	ND		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
74-87-3	**Chloromethane**	**130**		ppbv	0.81	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.46	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **SV-5** **York Sample ID:** **11H0116-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
11H0116	#110150-231 Hudson Street	Soil Vapor	July 29, 2011 3:00 pm	08/02/2011

Volatile Organics, EPA TO15 Full List

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
110-82-7	**Cyclohexane**	**17**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
141-78-6	Ethyl acetate	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
100-41-4	Ethyl Benzene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
87-68-3	Hexachlorobutadiene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
67-63-0	**Isopropanol**	**4.3**		ppbv	0.95	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**24**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-09-2	Methylene chloride	ND		ppbv	0.65	14	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
142-82-5	**n-Heptane**	**3.3**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
110-54-3	**n-Hexane**	**5.1**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
95-47-6	o-Xylene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
1330-20-7P/M	p- & m- Xylenes	ND		ppbv	0.92	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
622-96-8	p-Ethyltoluene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
115-07-01	**Propylene**	**11**		ppbv	1.2	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
100-42-5	Styrene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
127-18-4	**Tetrachloroethylene**	**3.5**		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
109-99-9	Tetrahydrofuran	ND		ppbv	0.68	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
108-88-3	Toluene	ND		ppbv	0.65	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.33	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.49	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
79-01-6	Trichloroethylene	ND		ppbv	0.33	1.4	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.16	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
108-05-4	**Vinyl acetate**	**3.5**		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
593-60-2	Vinyl bromide	ND		ppbv	0.41	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD
75-01-4	Vinyl Chloride	ND		ppbv	0.65	2.7	27.1	EPA Compendium TO-15	08/06/2011 02:56	08/06/2011 02:56	TD

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*97.3 %*	*70-130*

YORK
ANALYTICAL LABORATORIES, INC.

Analytical Batch Summary

Batch ID: BG10983 **Preparation Method:** EPA TO15 PREP **Prepared By:** SR

YORK Sample ID	Client Sample ID	Preparation Date
11H0116-01	SV-1	08/05/11
11H0116-02	SV-6	08/06/11
11H0116-03	SV-2	08/06/11
11H0116-04	SV-4	08/06/11
11H0116-05	SV-5	08/06/11
BG10983-BLK1	Blank	07/26/11
BG10983-BS1	LCS	07/26/11

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BG10983 - EPA TO15 PREP

Blank (BG10983-BLK1) Prepared & Analyzed: 07/26/2011

Vinyl Chloride	ND	0.10	ppbv								
Vinyl bromide	ND	0.10	"								
Vinyl acetate	ND	0.10	"								
Trichloroethylene	ND	0.050	"								
trans-1,3-Dichloropropylene	ND	0.10	"								
trans-1,2-Dichloroethylene	ND	0.10	"								
Toluene	ND	0.10	"								
Tetrahydrofuran	ND	0.10	"								
Tetrachloroethylene	ND	0.10	"								
Styrene	ND	0.10	"								
Propylene	ND	0.10	"								
p-Ethyltoluene	ND	0.10	"								
p- & m- Xylenes	ND	0.10	"								
o-Xylene	ND	0.10	"								
n-Hexane	ND	0.10	"								
n-Heptane	ND	0.10	"								
Methylene chloride	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.10	"								
4-Methyl-2-pentanone	ND	0.10	"								
Isopropanol	ND	0.10	"								
Hexachlorobutadiene	ND	0.10	"								
Ethyl Benzene	ND	0.10	"								
Ethyl acetate	ND	0.10	"								
Cyclohexane	ND	0.10	"								
cis-1,3-Dichloropropylene	ND	0.10	"								
cis-1,2-Dichloroethylene	ND	0.10	"								
Chloromethane	ND	0.10	"								
Chloroform	ND	0.10	"								
Chloroethane	ND	0.10	"								
Carbon tetrachloride	ND	0.050	"								
Carbon disulfide	ND	0.10	"								
Bromomethane	ND	0.10	"								
Bromoform	ND	0.10	"								
Bromodichloromethane	ND	0.10	"								
Benzyl chloride	ND	0.10	"								
Benzene	ND	0.10	"								
Acetone	ND	0.10	"								
3-Chloropropene	ND	0.10	"								
2-Hexanone	ND	0.10	"								
2-Butanone	ND	0.10	"								
2,2,4-Trimethylpentane	ND	0.10	"								
1,4-Dioxane	ND	0.10	"								
1,4-Dichlorobenzene	ND	0.10	"								
1,3-Dichlorobenzene	ND	0.10	"								
1,3-Butadiene	ND	0.10	"								
1,3,5-Trimethylbenzene	ND	0.10	"								
1,2-Dichlorotetrafluoroethane	ND	0.10	"								
1,2-Dichloropropane	ND	0.10	"								
1,2-Dichloroethane	ND	0.10	"								
1,2-Dichlorobenzene	ND	0.10	"								
1,2,4-Trimethylbenzene	ND	0.10	"								
1,2,4-Trichlorobenzene	ND	0.10	"								
1,1-Dichloroethylene	ND	0.10	"								
1,1-Dichloroethane	ND	0.10	"								

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10983 - EPA TO15 PREP											
Blank (BG10983-BLK1)						Prepared & Analyzed: 07/26/2011					
Trichlorofluoromethane (Freon 11)	ND	0.10	ppbv								
1,1,2-Trichloroethane	ND	0.10	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10	"								
1,1,2,2-Tetrachloroethane	ND	0.10	"								
Dichlorodifluoromethane	ND	0.10	"								
1,1,1-Trichloroethane	ND	0.10	"								
Chlorobenzene	ND	0.10	"								
Surrogate: p-Bromofluorobenzene	*9.53*		*"*	*10.0*		*95.3*	*70-130*				
LCS (BG10983-BS1)						Prepared & Analyzed: 07/26/2011					
Vinyl Chloride	10.9		ppbv	11.6		93.8	70-130				
Vinyl bromide	11.8		"	11.0		107	70-130				
Vinyl acetate	9.57		"	11.1		86.2	70-130				
Trichloroethylene	9.86		"	10.5		93.9	70-130				
trans-1,3-Dichloropropylene	10.2		"	11.1		92.3	70-130				
trans-1,2-Dichloroethylene	10.2		"	11.1		92.3	70-130				
Toluene	10.8		"	11.1		97.7	70-130				
Tetrahydrofuran	12.9		"	11.2		115	70-130				
Tetrachloroethylene	11.1		"	10.9		102	70-130				
Styrene	11.4		"	11.3		101	70-130				
Propylene	10.8		"	11.0		98.2	70-130				
p-Ethyltoluene	13.4		"	11.1		121	70-130				
p- & m- Xylenes	22.0		"	22.3		98.7	70-130				
o-Xylene	11.3		"	11.0		103	70-130				
n-Hexane	9.91		"	10.9		90.9	70-130				
n-Heptane	10.7		"	11.0		97.5	70-130				
Methylene chloride	10.4		"	11.1		94.1	70-130				
Methyl tert-butyl ether (MTBE)	12.8		"	11.3		114	70-130				
4-Methyl-2-pentanone	17.2		"	11.4		151	70-130	High Bias			
Isopropanol	5.02		"	11.5		43.7	70-130	Low Bias			
Hexachlorobutadiene	15.3		"	11.2		136	70-130	High Bias			
Ethyl Benzene	11.1		"	11.1		99.9	70-130				
Ethyl acetate	13.5		"	11.4		118	70-130				
Cyclohexane	10.5		"	10.9		96.6	70-130				
cis-1,3-Dichloropropylene	10.7		"	11.1		96.2	70-130				
cis-1,2-Dichloroethylene	10.7		"	10.8		99.3	70-130				
Chloromethane	10.2		"	11.0		92.6	70-130				
Chloroform	10.4		"	11.3		91.9	70-130				
Chloroethane	11.6		"	11.0		105	70-130				
Carbon tetrachloride	10.4		"	10.5		99.0	70-130				
Carbon disulfide	10.3		"	11.2		91.6	70-130				
Bromomethane	11.2		"	11.0		102	70-130				
Bromoform	12.1		"	10.8		112	70-130				
Bromodichloromethane	9.92		"	11.0		90.2	70-130				
Benzyl chloride	6.82		"	10.8		63.1	70-130	Low Bias			
Benzene	10.3		"	10.9		94.9	70-130				
Acetone	11.5		"	11.5		99.7	70-130				
3-Chloropropene	10.8		"	10.8		100	70-130				
2-Hexanone	3.39		"	11.4		29.7	70-130	Low Bias			
2-Butanone	13.5		"	11.3		119	70-130				
2,2,4-Trimethylpentane	11.1		"	11.1		99.7	70-130				
1,4-Dioxane	4.32		"	11.6		37.2	70-130	Low Bias			
1,4-Dichlorobenzene	12.4		"	11.7		106	70-130				

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Organic Compounds by EPA Compendium TO14A/TO15 - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG10983 - EPA TO15 PREP											
LCS (BG10983-BS1)						Prepared & Analyzed: 07/26/2011					
1,3-Dichlorobenzene	12.7		ppbv	10.6		120	70-130				
1,3-Butadiene	10.8		"	11.0		98.5	70-130				
1,3,5-Trimethylbenzene	13.5		"	11.0		123	70-130				
1,2-Dichlorotetrafluoroethane	10.7		"	11.0		96.9	70-130				
1,2-Dichloropropane	10.1		"	10.8		93.9	70-130				
1,2-Dichloroethane	9.43		"	11.0		85.7	70-130				
1,2-Dichlorobenzene	13.0		"	11.0		118	70-130				
1,2,4-Trimethylbenzene	11.6		"	11.0		105	70-130				
1,2,4-Trichlorobenzene	14.0		"	10.7		131	70-130	High Bias			
1,1-Dichloroethylene	9.91		"	11.0		90.1	70-130				
1,1-Dichloroethane	10.7		"	11.2		95.2	70-130				
Trichlorofluoromethane (Freon 11)	10.3		"	11.2		92.1	70-130				
1,1,2-Trichloroethane	10.1		"	11.0		91.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	11.0		94.5	70-130				
1,1,2,2-Tetrachloroethane	11.7		"	11.0		106	70-130				
1,1,1-Trichloroethane	10.7		"	11.0		97.5	70-130				
Dichlorodifluoromethane	11.0		"	11.0		100	70-130				
Chlorobenzene	10.8		"	11.3		95.4	70-130				
Surrogate: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*70-130*				

Notes and Definitions

QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

Corrective Action:

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record - AIR

Page____ of ____

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 11H0116

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type/Deliverables
Company: Hydro Tech Env. Corp.	Company: →	Company: →	#110150-231 Hudson Street	RUSH - Same Day ☐	Summary Report ____
Address: 15 Ocean Ave, 2nd Floor Brooklyn, NY	Address: →	Address: 77 Arkay Dr, Suite G, Hauppauge	Purchase Order No. 4694	RUSH - Next Day ☐	Summary w/ QA Summary ____
Phone No. 718-636 08 00	Phone No. →	Phone No. 631-462 58 66		RUSH - Two Day ☐	CT RCP Package ____
Contact Person: Ezgi Karayel	Attention: →	Attention: Muslima Ward		RUSH - Three Day ☐	NY ASP A Package ____
E-Mail Address: ekarayel@hydrotechenvironmental.com	E-Mail Address:	E-Mail Address: mward@hydrotechenvironmental.com	Samples from: CT___ NY X NJ___	RUSH - Four Day ☐	NY ASP B/CLP Pkg ____
				Standard(5-7 Days) ☒	NJDEP Reduced ____
					Electronic Deliverables:
					EDD (Specify Type) ____
					Standard Excel ____
					Regulatory Comparison Excel ____

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

E. Karayel
Samples Collected/Authorized By (Signature)

Ezgi Karayel
Name (printed)

Air Matrix Codes

- AI - INDOOR Ambient Air
- AO- OUTDOOR Amb. Air
- AE- Vapor Extraction Well/ Process Gas/Effluent
- AS- SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER____

Detection Limits Required

- ≤ 1 ug/m³ ____
- NYSDEC VI Limits____ (VI = vapor intrusion)
- NJDEP low level ____
- Routine Survey ____
- Other____

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum Afer Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
SV-1	7/29/11	AS			EPA TO-15	6 Liter Summa canister 11 Tedlar Bag
SV-6	↓	↓			↓	6 Liter Summa canister 26 Tedlar Bag
SV-2						6 Liter Summa canister 23 Tedlar Bag
SV-4						6 Liter Summa canister 33 Tedlar Bag
SV-5						6 Liter Summa canister 35 Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag
						6 Liter Summa canister ___ Tedlar Bag

Comments

Samples Relinquished By ____ Date/Time ____

Samples Relinquished By ____ Date/Time ____

Samples Received By [signature] 8/2/11 1200 Date/Time

Samples Received in LAB by [signature] 8/2/11 1545 Date/Time

APPENDIX-K

GEOTECHNICAL REPORT

June 17, 2008

08LC1020A

Ponte Equities
270 West Street
New York, NY 10013

Attention: Mr. Vincent J. Ponte

re: Report of
Phase 2 Geotechnical Investigation
231 Hudson Street
New York, NY

Gentlemen:

This report is submitted in accordance with our proposal dated May 7, 2008 as authorized by you on May 13, 2008. It covers a Phase 2 geotechnical investigation related to the design and construction of the proposed 10-story residential/retail building at the referenced address. We understand that a partial single level basement is under consideration for the project.

Our report dated April 18, 2008 described the subsurface conditions at the site and provided recommendations for foundations and related geotechnical aspects of the project. We understand that no basement will be constructed adjacent to the existing building at the south of the property (within about 20- ft of the existing building). The proposed foundation adjacent to the existing building likely will be in fill above a peat layer as described in our April 18, 2008 report. A mat foundation bearing in the fill would be feasible if the uncontrolled fill can be stabilized to support the mat edge stresses with an allowable bearing value of 3-tons/ft^2 or if analyses can show that the mat will be acceptable with edge stresses limited to 2-tons/ft^2. If stabilization is necessary post stabilization testing would be required to verify the results.

Our conclusion regarding feasibility was based on our estimate of potential settlement of a mat foundation with approximately 2,000-lbs/ft^2 average area load bearing in stabilized

fill. This estimate was based on available data for soils similar to those underlying the site.

Purpose and Scope of Services

The purpose of the investigation was to obtain the required subsurface data at the site to comply with New York City Building Code requirements and to verify feasibility of using a mat foundation adjacent to south property line at 231 Hudson St.

Scope of Services

You engaged the drilling contractor Warren George Inc (WGI) of Jersey City, NJ to drill borings approximately at proposed column locations along the south edge of the proposed building as shown in Fig 1. The borings were drilled unsampled to a depth of approximately 5-ft. Below that, they were sampled continuously to a depth of approximately 15-ft using a 4-in diameter split sampling spoon. 3-in diameter undisturbed fixed piston samples of the peat were obtained.

We provided the following services:

1. Observed the drilling operations to classify and log the samples in the field and verify that the driller adhered to proper procedures. Refer to Appendix A for the boring logs.

2. Conducted laboratory consolidation and unconsolidated undrained triaxial compression tests on the peat and grain size analyses of the fill. Geotesting Services Inc. (Totowa, NJ) did the testing. Refer to Appendix B for the laboratory test results.

3. Evaluated the data and prepared this report.

4. Discussed our findings with you and members of the design team.

Evaluation, Conclusions and Recommendations

In evaluating the potential for settlements of the mat foundation bearing in uncontrolled fill overlying the peat we considered the thickness of the peat as disclosed by the new borings and the laboratory test data. We assumed that the average area load (DL + LL) of the proposed 10-story building is approximately 2,000-lbs/^{2}.

The continuously sampled borings indicated that the uncontrolled fill contained no potentially deleterious materials or voids and the thickness of the peat was generally about 2-to 5-ft. At three of the four locations the peat thickness was 3-ft or less. The consolidation tests indicated that the peat has been pre-compressed to stresses of about 2.3-tons/ft^2 as compared to the current effective overburden stress of about 0.7-tons/ft^2. The triaxial compression test result on the peat indicated an unconsolidated undrained compressive strength of 1.92 t/ft^2. We estimated the recompression ratio from the

laboratory test curve at the effective overburden pressure under a 1-ton/ft^2 stress increase at approximately 0.02. Similarly, the coefficient of secondary compression was estimated at about 0.0028- in/in.

With the above parameters and assuming that the foundation loads would be applied at approximately 3-ft below the existing grade we estimate that settlements during construction could be about ¾-in and post construction settlements may be about ¼-in after 10-yrs and possibly an additional ¼-in after 100-yrs. This estimate is consistent with the estimate given in our April 18, 2008 report. Therefore, we conclude that a mat foundation is feasible. The issue of either stabilizing the uncontrolled fill to accept calculated elastic edge stresses of 3-t/ft^2 or limiting the edge stresses to 2-t/ft^2 remains. If the edge stresses are limited no stabilization will be required.

The mat slab may be designed using a coefficient of subgrade reaction of 50 – or 75 – tons/ft^3 (1' x 1' area) if the uncontrolled fill is non-stabilized or stabilized, respectively. However, if no stabilization is undertaken the subgrade should be compacted with at least 4-passes of a walk-behind twin drum vibratory compactor.

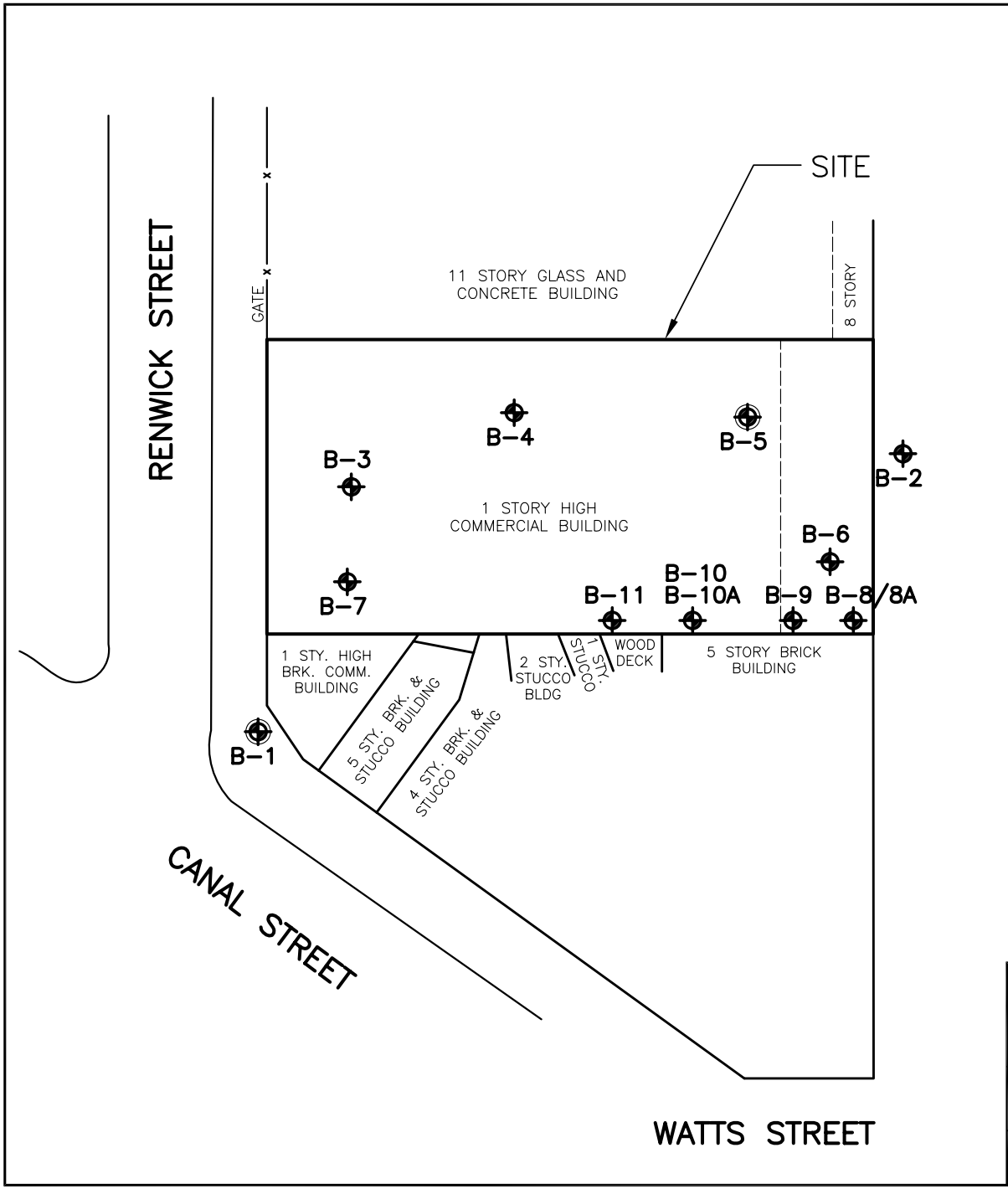
Limitations

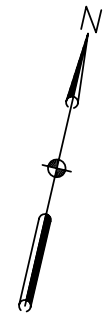
The conclusions and recommendations presented above are based on our interpretation of the results of the borings, laboratory test results and our understanding of the project based on information provided by others. If subsurface conditions are found to differ from those described herein and in our April 18 report or if project conditions change we should be notified and requested to modify our recommendations if necessary.

We appreciate this opportunity to be of service.

Very truly yours,
RA CONSULTANTS LLC

Robert Alperstein, P.E.





LEGEND

- BORING LOCATION
- BORING LOCATION WITH OBSERVATION WELL

NOTE:

BORINGS DRILLED BY WARREN GEORGE, INC., OBSERVED BY RA CONSULTANTS.

BORINGS B-1 THROUGH B-7 DRILLED MARCH 11 TO MARCH 27, 2008.

BORINGS B-8 THROUGH B-11 DRILLED MAY 14 TO MAY 19, 2008.

0 20 40 80

SCALE (FEET)

BORING LOCATION PLAN
231 HUDSON STREET
NEW YORK, NEW YORK

RA CONSULTANTS

CRANBURY, NEW JERSEY

DR. BY	ET/NA	SCALE	AS SHOWN	DWG. NO. 8CL102001-FIG1	PROJ. NO. 08CL1020
CK'D. BY	RA	DATE	JUNE 12, 2008	FIG. NO.	1

APPENDIX A

Boring Logs

RA CONSULTANTS LLC

LOG OF BORING B-1

PROJECT	231 Hudson Street	**PROJECT NUMBER**	08LC1020
LOCATION	Manhatten, NY	**ELEVATION & DATUM**	+10 +/- BPMD
DRILLING AGENCY	Warren George, Inc.	**DATE STARTED**	3/20/2008
		DATE COMPLETED	3/25/2008
DRILLING EQUIPMENT	DK50	**COMPLETION DEPTH (FT)**	129.0
		ROCK DEPTH (FT)	124.0

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	23	**UNDIST.** -	**CORE (FT)** 5
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.** 11	**24HR** 11.3
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.			
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis			
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman			

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start of day 3/20/08 at 7:00 am Start drilling at 8:00 am
	1							
	2							
	3							
	4							
	5						Fill	
Fill: Reddish brown, c-f SAND, trace m-f gravel, silt, brick fragment (11-65)	6	SS 1	4"	5 7 4 3				Date / Depth [ft] 3/26/2008 / 11'0" 3/27/2008 / 11'4"
	7							
	8						8.5 +/-	
	9							
	10							
Fill: black PEAT (PT) (11-65)	11	SS 2	24"	3 5 7 7	226	1.9	Peat	plant roots, organic smell organic content = 76.2%
	12							
	13						13.5 +/-	
	14							
	15							
Reddish brown, f SAND, some silt (SM) (8-65)	16	SS 3	18"	3 5 7 12			Sand	
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-1

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, some silt (SM) (7-65)	21	SS 4	16"	12 18 19 17				
	22							
	23							
	24							
	25							
Same	26	SS 5	18"	6 9 10 11				
	27							
	28							
	29							
	30							
Same	31	SS 6	10"	6 9 8 9				
	32							
	33						Sand	
	34							
	35							
Same	36	SS 7	12"	6 7 9 7				
	37							
	38							
	39							
	40							
Same	41	SS 8	12"	7 7 8 8				
	42							
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-1

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown f sandy SILT, trace m sand (ML) (10-65)	46	SS 9	19"	6 3 3 3	29.7	51.1		
	47							
	48							
	49							
	50							
Same	51	SS 10	18"	5 8 12 12				
	52							
	53							
	54							
	55							
Reddish brown c-f SAND, some silt (SM) (7-65)	56	SS 11	15"	4 10 9 10				
	57							
	58						Sand	
	59							
	60							
Reddish brown CLAY, some m-f sand (CL) (9-65)	61	SS 12	14"	10 9 8 14	34.1	87.2		
	62							
	63							
	64							
	65							
Reddish brown c-f SAND, some silt, trace f gravel (SP/SM) (7-65)	66	SS 13	12"	20 21 20 20				
	67							
	68							
	69							Rig chatter from 65'-70'
	70							

RA CONSULTANTS LLC

LOG OF BORING B-1

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
No recovery	71	SS 14	NR	100/6"				Spoon rejected
	72							
	73							
	74							
	75							
Brown m-f SAND, some silt (SM) (7-65)	76	SS 15	20"	12 14 22 40				
	77							
	78						Sand	
	79							
	80							
Same	81	SS 16	12"	20 17 14 12				
	82							
	83							
	84							
	85							
Same	86	SS 17	8"	17 17 15 21				
	87							
	88							
	89							
	90							
Same	91	SS 18	8"	19 15 12 13				
	92							
	93							Lost mud at 94'
	94							End of Day 3/22/08 at 1415 hrs Start of Day 3/24/08
	95							

RA CONSULTANTS LLC

LOG OF BORING B-1

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
No Recovery	96	SS 19	0"	100/0"				
	97							
	98							
	99							
	100							
Reddish brown c-f SAND, some gravel, silt (SM) (7-65)	101	SS 20	6"	21 17 25 30	13.5	14		
	102							3" casing pipe stuck at the end of the hole at depth of 104'
	103							
	104							End of Day 3/23/08
	105							Start of day 3/24/08
No Recovery	106	SS 21	NR	18 15 16 24				wash recovery
	107							
	108						Sand	
	109							
	110							
Reddish brown f SAND, some silt (SM) (8-65)	111	SS 22	3"	18 19 23 27				
	112							
	113							
	114							
	115							Couldn't get a sample from 115' because the sand kept flowing in the bottom of 3" casing and as well the spoon.
	116							
	117							
	118							
	119							
	120							

RA CONSULTANTS LLC

LOG OF BORING B-1

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown f SAND, some silt (SM) (8-65)	121	SS 23	6"	19 23 27 29			Sand	
	122							
	123							
	124						124	End of day 3/24/08
								Start of day 3/25/08
	125							
	126							
Gray, fresh, slightly fractured, Manhattan schist (1-65 / 2-65)		C 1	2'8" 53%	53%			Rock	
	127							
	128							
	129						129	End of Day 3/25/08
END OF BORING AT 129'	130							
	131							
	132							
	133							
	134							
	135							
	136							
	137							
	138							
	139							
	140							
	141							
	142							
	143							
	144							
	145							

RA CONSULTANTS LLC

LOG OF BORING B-2

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +11 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/26/2008	**DATE COMPLETED** 3/27/2008
DRILLING EQUIPMENT Truck mounted drill rig		**COMPLETION DEPTH (FT)** 125.0	**ROCK DEPTH (FT)** 120.0

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	22	**UNDIST.**	0	**CORE (FT)**	5
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.**	-	**24HR**	-
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.					
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis					
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start of day 3/26/08
								Rig arrived at 9am
	1							
	2							
	3							
	4							
	5							
Fill: Reddish brown c-f SAND, trace m-f gravel, trace silt, brick fragments (11-65)	6	SS 1	6"	1 2 3 5				
	7							
	8						Fill	
	9							
	10							
Fill: Brown mc-f SAND, some silt, trace brick fragments (11-65)	11	SS 2	4"	3 2 6 5	20	20.9		
	12							
	13						13.5	
	14							
	15							
Reddish brown m-f SAND, some silt (SM) (7-65)	16	SS 3	12"	3 4 4 7				Organic smell
	17						Sand	
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-2

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, some silt, trace f gravel (SP/SM) (7-65)	21	SS 4	12"	12 14 11 12				
	22							
	23							
	24							
	25							
Reddish brown m-f SAND, some silt (SM) (7-65)	26	SS 5	14"	6 5 7 12				
	27							
	28							
	29							
	30							
Reddish brown f SAND, some silt (SM) (8-65)	31	SS 6	22"	6 7 6 11			Sand	
	32							
	33							
	34							
	35							
Same	36	SS 7	24"	3 4 6 12				
	37							
	38							
	39							
	40							
Reddish brown c-f SAND, some silt, trace f gravel (SP/SM) (7-65)	41	SS 8	15"	11 15 17 19				
	42							
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-2

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, some silt, trace m-f gravel (SP/SM) (7-65)	46	SS 9	9"	13 14 17 19				rig chatter 45'-48'
	47							
	48							
	49							
	50							
Reddish brown c-f SAND, some silt (SM) (7-65)	51	SS 10	15"	14 11 12 12				
	52							
	53							
	54							
	55							
Same	56	SS 11	12"	11 11 9 11			Sand	
	57							
	58							
	59							
	60							
Same	61	SS 12	12"	11 14 12 11				
	62							
	63							
	64							
	65							
Brown m-f SAND, some silt (SM) (7-65)	66	SS 13	14"	15 17 19 18				
	67							
	68							
	69							Drilled up to 70'
	70							End of day 3/26/08 at 3:00pm

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LOG OF BORING B-2

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
				10				Start of day 3/27/08 at 7:00am
Reddish brown f SAND, some silt (SM) (8-65)	71	SS 14	12"	10 10 11 10				
	72							
	73							
	74							
	75			12				
Reddish brown m-f SAND, some silt (SM) (7-65)	76	SS 15	12"	10 12 13				
	77							
	78							
	79							
	80			10				
Reddish brown f SAND, some silt (SM) (8-65)	81	SS 16	18"	11 14 17				
	82							
	83						Sand	
	84							
	85			8				
Same	86	SS 17	20"	14 17 27				
	87							
	88							
	89							
	90			17				
Reddish brown m-f SAND, some silt (SM) (7-65)	91	SS 18	17"	26 28 27				
	92							
	93							
	94							
	95							

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LOG OF BORING B-2

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown m-f SAND, some silt (SM) (7-65)	96	SS 19	18"	26 31 36 39				
	97							
	98							
	99							
	100							
Brown c-f SAND, some silt, trace m-f gravel (SP/SM) (7-65)	101	SS 20	14"	25 23 33 43				
	102							
	103						Sand	
	104							
	105							
Boulder	106	C1	NA	NA				
	107							
	108							
	109							
No Recovery	110	SS 21	NR	100/0"				
	111							
	112							
	113							
	114							
	115							
Gray brown c-f SAND, trace decomposed rock (SP/SM) (7-65)	116	SS 22	3"	100/6"				
	117							
	118							
	119						119	
	120						Rock	

RA CONSULTANTS LLC

LOG OF BORING B-2

DESCRIPTION	DEPTH (ft)	Samples Type No.	Samples Recov. FT / %	Samples Resist. BL/6" / RQD%	Lab. Results water cont. (%)	Lab. Results -200 (%)	STRATA	REMARKS
	121							
Fresh, slightly fractured hard sand rock, Manhatten Schist (1-65)	122	C 2	5' 100%	70%			Rock	
	123							
	124							
	125						125	End of Day 3/27/08 at 1630 hrs
End of Boring at 125'	126							
	127							
	128							
	129							
	130							
	131							
	132							
	133							
	134							
	135							
	136							
	137							
	138							
	139							
	140							
	141							
	142							
	143							
	144							
	145							

RA CONSULTANTS LLC

LOG OF BORING B-3

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +10 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/14/2008	**DATE COMPLETED** 3/19/2008
DRILLING EQUIPMENT DK50		**COMPLETION DEPTH (FT)** 120.0	**ROCK DEPTH (FT)** 115.0

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	22	**UNDIST.** -	**CORE (FT)**	-
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.** -	**24HR**	-
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.				
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis				
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman				

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start of Day 3/14/08 at 1100a hrs
	1							
	2							
	3							
	4						Fill	
	5							
Fill: Reddish brown m-f SAND, some silt, trace brick fragments (11-65)	6	SS 1	6"	49 8 7 6				
	7							
	8						8.5	
	9							
	10							
Reddish brown c-f SAND, trace f gravel, silt (SP) (7-65)	11	SS 2	6"	5 3 1 3				
	12							
	13							
	14						Sand	
	15							
Greenish gray silty m-f SAND (SM) (7-65)	16	SS 3	12"	3 4 4 5	18.2	46.3		
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-3

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Greenish gray m-f SAND, trace silt (SM) (7-65)	21	SS 4	10"	13 15 11 10				
	22							
	23							
	24							
	25							
Reddish brown f SAND, some silt (SM) (8-65)	26	SS 5	12"	9 11 9 8				
	27							
	28							
	29						Sand	
	30							
Same	31	SS 6	18"	8 9 11 11				
	32							
	33							
	34							
	35							
Same	36	SS 7	24"	6 4 5 9				
	37							
	38							
	39							
	40							
Brown m-f SAND, trace silt (SM) (7-65)	41	SS 8	12"	15 16 15 15				
	42							
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-3

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Brown m-f SAND, trace silt (SM) (7-65)	46	SS 9	6"	3 3 10 17				
	47							
	48							
	49							
	50							
Reddish brown f SAND, some silt (SM) (8-65)	51	SS 10	18"	18 15 16 22				
	52							
	53							
	54						Sand	
	55							End of day 3/14/08 at1430 hrs
Reddish brown m-f SAND, some silt (SM) (7-65)	56	SS 11	24"	15 14 14 14				Start of day 3/17/08 at 715 hrs
	57							
	58							
	59							
	60							
Reddish brown c-f SAND, trace f gravel, trace silt (SP/SM) (7-65)	61	SS 12	24"	19 22 21 27				Rig chatter from 62'-65'
	62							
	63							
	64							
	65							
Reddish brown c-f SAND, some silt, trace m-f gravel (SP/SM) (7-65)	66	SS 13	8"	21 11 12 13				
	67							
	68							
	69							
	70							

RA CONSULTANTS LLC

LOG OF BORING B-3

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown f SAND, some silt (SM) (8-65)	71	SS 14	12"	21 12 14 19				
	72							
	73							
	74							
	75							
Reddish brown m-f SAND, some silt, trace f gravel (SP/SM) (7-65)	76	SS 15	12"	16 12 16 26				Rig chatter from 77'-80'
	77							
	78							
	79						Sand	
	80							
Reddish brown c-f SAND, some silt (SM) (7-65)	81	SS 16	6"	28 27 30 25				
	82							
	83							
	84							
	85							
Same	86	SS 17	6"	26 16 18 23				
	87							
	88							
	89							
	90							
Reddish brown c-f SAND, trace m-f gravel, silt (SP) (6-65)	91	SS 18	6"	80 44 20 20				Break from 11:40am-12:10pm
	92							
	93							
	94							
	95							

RA CONSULTANTS LLC

LOG OF BORING B-3

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown m-f SAND, some silt (SM) (7-65)	96	SS 19	6"	34 32 47 62				
	97							
	98							
	99							
	100							
Reddish brown f SAND, some silt (SM) (8-65)	101	SS 20	6"	27 24 32 43				
	102							
	103						Sand	
	104							
	105							
Same	106	SS 21	12"	35 39 50 70				
	107							
	108							
	109							
	110							
Red m-f SAND, some silt (SM) (8-65)	111	SS 22	18"	34 31 35 57	0.237	0.241		
	112							End of day 3/17/08 at 3:00pm
								Start of day 3/18/08 at 7:15am
	113							
	114							
	115						115	Spoon bouncing
	116							
Gray, fresh, slightly fractured, hard sound Manhatten Schist Rock (1-65)	117	C 1	4'8" 93%	93%				End of day at 3:45pm
	118						Rock	Start day 3/19/08 at 7:00am took the rock from the core barrel
	119							
End Of Boring at 120 ft	120						120	End of Boring

RA CONSULTANTS LLC

LOG OF BORING B-4

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +11 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/13/2008	**DATE COMPLETED** 3/14/2008
DRILLING EQUIPMENT DK50		**COMPLETION DEPTH (FT)** 62.0	**ROCK DEPTH (FT)** -

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	12	**UNDIST.** -	**CORE (FT)**	-
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.** -	**24HR**	-
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.				
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis				
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman				

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start of Day 3/13/08 at 1335 hrs
	1							
	2							
	3							
	4						Fill	Drilled the first 5' and installed
	5							End of day 3/13/08 at 2:30pm
								Start of day 3/14/08 at 715 hrs
Fill: Brown c-f SAND, some brick fragments, trace f gravel, trace silt (11-65)	6	SS 1	5"	10 9 18 14				
	7							
	8						8.5	
	9							
	10							
Reddish brown m-f SAND, some silt (SM) (7-65)	11	SS 2	4"	1 2 2 2				Oil smell
	12							
	13						Sand	
	14							
	15							
Black c-f SAND, some silt, trace f gravel (SM) (8-75)	16	SS 3	12"	3 4 4 5	33.6	25.4		Organic smell
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-4

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown silty f SAND, trace m sand (SM) (8-65)	21	SS 4	18"	8 8 9 12	20.6	31.1		
	22							
	23							
	24							
	25							
Same	26	SS 5	18"	4 6 8 9				
	27							
	28							
	29							
	30							
Same	31	SS 6	18"	7 7 8 9				
	32							
	33						Sand	
	34							
	35							
Same	36	SS 7	24"	4 3 9 10				
	37							
	38							
	39							
	40							
Same	41	SS 8	24"	2 4 7 7				
	42							
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-4

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, some silt (SM) (7-65)	46	SS 9	18"	10 11 10 10				
	47							
	48							
	49							
	50							
Reddish brown m-f SAND, some silt (SM) (7-65)	51	SS 10	18"	13 12 14 16				
	52							
	53							
	54						Sand	
	55							
Reddish brown c-f SAND, some m-f gravel, trace silt (SP) (6-65)	56	SS 11	15"	28 16 26 11				
	57							
	58							
	59							
	60							
Reddish brown c-f SAND, some silt, trace m-f gravel (SP/SM) (7-65)	61	SS 12	12"	29 12 19 19				
	62						62	End of day 3/14/08 at 10:15am
END OF BORING AT 62'	63							
	64							
	65							
	66							
	67							
	68							
	69							
	70							

RA CONSULTANTS LLC

LOG OF BORING B-5 (well)

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +11 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/12/2008	**DATE COMPLETED** 3/13/2008
DRILLING EQUIPMENT Skid Rig DK50		**COMPLETION DEPTH (FT)** 62.0	**ROCK DEPTH (FT)** -

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	12	**UNDIST.**	-	**CORE (FT)**	-
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.**	8	**24HR**	11
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.					
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis					
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start day at 11:00am Drilled and installed 5' casing
	1							
	2							
	3							
	4							
	5							End of day at 12:15pm 3/12/08
Fill: Reddish brown c-f SAND, some brick fragments, trace silt (11-65)	6	SS 1	5"	4 3 2 8				Start of day 3/13/08 at 735 hts
	7						Fill	
	8							
	9							
	10							
No Recovery	11	SS 2	NR	5 2 3 2				
	12							
	13						13.5	
	14							
	15							
Reddish brown silty f-c SAND, trace f. gravel (SM) (8-65)	16	SS 3	14"	1 1 4 7	18.1	43.4		
	17							
	18						Sand	
	19							
	20							

Water Readings

Date	Depth [ft]
3/13/2008	8'0"
3/14/2008	11'0"
3/17/2008	14'2"
3/18/2008	14'0"
3/19/2008	13'5"
3/20/2008	13'4"
3/24/2008	13'5"
3/25/2008	13'5"

RA CONSULTANTS LLC

LOG OF BORING B-5 (well)

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Brown m-f SAND, trace silt (SM) (7-65)	21	SS 4	12"	17 16 15 16				
	22							
	23							
	24							
	25							
Same	26	SS 5	12"	5 6 6 4				
	27							
	28						Sand	
	29							
	30							
Reddish brown f SAND, some silt (SM) (8-65)	31	SS 6	21"	3 5 6 5				
	32							
	33							
	34							
	35							
Same	36	SS 7	22"	3 4 5 8				
	37							
	38							
	39							
	40							
Reddish brown c-f SAND, trace silt (SM) (7-65)	41	SS 8	13"	11 10 10 13				
	42							
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-5 (well)

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, some m-f gravel, trace silt (SP/SM) (6-65)	46	SS 9	12"	24 40 27 19				
	47							
	48							
	49							
	50							
Reddish brown c-f SAND, trace silt, trace f gravel (SP/SM) (7-65)	51	SS 10	14"	10 13 13 11				
	52							
	53						Sand	
	54							
	55							
Reddish brown c-f SAND, trace silt (SM) (7-65)	56	SS 11	14"	13 13 13 13				
	57							
	58							
	59							
	60							
Reddish brown m-f SAND, trace silt (SM) (7-65)	61	SS 12		16 16 16 13				
	62						62	End of Day 3/13/08 at 1125 hrs
END OF BORING AT 62'	63							Start to install the well from 11:45am-1:00pm
	64							
	65							
	66							
	67							
	68							
	69							
	70							

RA CONSULTANTS LLC

LOG OF BORING B-6

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +11 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/11/2008	**DATE COMPLETED** 3/12/2008
DRILLING EQUIPMENT Skid RigDK50		**COMPLETION DEPTH (FT)** 62.0	**ROCK DEPTH (FT)** -

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	12	**UNDIST.** -	**CORE (FT)**	-
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.** -	**24HR**	-
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.				
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis				
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	N. AbiSaab / K. Soliman				

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start of day 3/11/08 at 8:00am
	1							Weather: clear, 40s
								Rig at site
	2							
	3							
	4							Casing advanced to 5'
								Downtime 1000-1330
	5							due to rig problems
Fill: Gray c-f sandy GRAVEL, trace brick, concrete (GP) (11-65)	6	SS 1	4"	4 14 9 4	4.7	13.9	Fill	
	7							
	8							
	9							
	10							Casing advanced to 10'
Fill: Gray m-c SAND, some gravel, trace brick, asphalt (11-65)	11	SS 2	24"	3 6 7 10				
	12							
	13						13.5	
	14							
	15							
Brown f-m SAND, trace silt, gravel (SP-SM) (7-65)	16	SS 3	6"	7 7 7 10			Sand	
								End of day 3/11/08 at 1500
	17							Start of day 3/12/08 at 7:00am
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-6

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Brown m-f SAND, trace silt (SM) (7-65)	21	SS 4	22"	10 14 15 16			Sand	
	22							
	23							
	24							
	25							
Reddish brown m-f SAND, some silt (SM) (7-65)	26	SS 5	14"	8 10 9 11				
	27							
	28							
	29							
	30							
Same	31	SS 6	4"	7 14 13 12				
	32							
	33							
	34							
	35							
Reddish brown f SAND, some silt (SM) (8-65)	36	SS 7	12"	13 7 5 6				
	37							
	38							
	39							
	40							
Same	41	SS 8	18"	5 6 13 14				
	42							Rig chattering at 42' it took approx. 30 min. to drill 40-45'
	43							
	44							
	45							

RA CONSULTANTS LLC

LOG OF BORING B-6

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown c-f SAND, trace silt, trace gravel (SM-SP) (7-65)	46	SS 9	10"	12 15 14 11				
	47							
	48							
	49							
	50							
Reddish brown f SAND, some silt (SM) (7-65)	51	SS 10	16"	7 9 10 12				
	52							
	53							
	54						Sand	
	55							
Same	56	SS 11	17"	8 10 10 14				
	57							
	58							
	59							
	60							
Same	61	SS 12	15"	14 12 12 14				
	62						62	End of Day 3/12/08 at 1030 hrs
END OF BORING AT 62'	63							moved the rig to B-5
	64							
	65							
	66							
	67							
	68							
	69							
	70							

RA CONSULTANTS LLC

LOG OF BORING B-7

PROJECT 231 Hudson Street		**PROJECT NUMBER** 08LC1020	
LOCATION Manhatten, NY		**ELEVATION & DATUM** +11 +/- BPMD	
DRILLING AGENCY Warren George, Inc.		**DATE STARTED** 3/19/2008	**DATE COMPLETED** 3/19/2008
DRILLING EQUIPMENT DK50		**COMPLETION DEPTH (FT)** 62.0	**ROCK DEPTH (FT)** -

SIZE AND TYPE OF BIT	3-7/8" Tricone	**SIZE AND TYPE CORE BARREL**			**NO.SAMPLES**	**DIST.**	12	**UNDIST.** -	**CORE (FT)**	-
CASING SIZE AND TYPE	4" steel	NX 2"			**WATER LEVEL**	**FIRST**	-	**COMPL.** -	**24HR**	-
CASING HAMMER WEIGHT	300 lb.	**DROP**	30"	**SAMPLING**	**FOREMAN**	Gregory Jr.				
SAMPLER	2" Split Spoon	**DROP**	30"	**HAMMER TYPE**	**HELPER**	Dennis				
SAMPLER HAMMER WEIGHT	140 lb.	☐ Safety • Donut ☐ ATH			**INSPECTOR**	K. Soliman				

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" Slab	Start day 3/19/08 at 10:30am
	1							
	2							
	3							
	4							
	5							
Fill: Brick fragments, gravel, asphalt fragments (11-65)	6	SS 1	1"	2 2 4 2				
	7							
	8						Fill	
	9							
	10							
Fill: Reddish brown c-f SAND, trace silt, brick fragments (SW-SM) (11-65)	11	SS 2	3"	2 2 3 4	22.6	9.8		
	12							
	13						13.5 +/-	
	14							
	15							
Greenish gray sandy SILT, trace organic (ML) (10-65)	16	SS 3	1"	9 11 12 11	21.3			Not enough sample recovered to run complete lab analsyis. Organic contect = 1.6%
	17						Sand	
	18							
	19							
	20							

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LOG OF BORING B-7

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
Reddish brown m-f SAND, some silt (SM) (7-65)	21	SS 4	12"	14 15 16 18				
	22							
	23							
	24							
	25							
Reddish brown c-f SAND, some silt, trace f gravel (SP-SM) (7-65)	26	SS 5	12"	11 12 12 13				
	27							
	28							
	29							
	30							
Same	31	SS 6	13"	10 11 9 11				
	32							
	33						Sand	
	34							
	35							
Same	36	SS 7	12"	10 11 11 10				
	37							
	38							
	39							
	40							
Same	41	SS 8	10"	18 10 9 10				
	42							
	43							
	44							
	45							

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LOG OF BORING B-7

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
				5				
Brown f SAND, some silt (SM) (8-65)	46	SS 9	24"	4 4 4				
	47							
	48							
	49							
	50			9				
Same	51	SS 10	14"	10 9 11				
	52						Sand	
	53							
	54							
	55			4				
Top 18": Same as above Bottom 6": Brown c-f SAND, trace m-f gravel, silt (SP/SM) (7-65)	56	SS 11	24"	3 12 18				
	57							
	58							
	59							
	60			11				
Same	61	SS 12	6"	14 15 14			62	End of day 3/19/08 at 2:00pm
END OF BORING AT 62'	62							
	63							
	64							
	65							
	66							
	67							
	68							
	69							
	70							

RA CONSULTANTS LLC

LOG OF BORING B-8

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/14/2008	DATE COMPLETED: 5/15/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 17.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	5	UNDIST.	1	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	NX 2"			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	140 lb. / 300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" concrete	
	1							
	2							
	3							
	4							Roller bit through fill to 5', used 4" split spoon and 140lb hammer
	5						FILL	
Fill: Brick, sand, gravel, cinders (11-65)		SS 1	0.8	7 28 14 12				
	6							
	7							
Top 1' Fill: same as SS-1 Bottom 1': Bronwn red f/c SAND, trace f gravel silt, (SW-SM) (7-65)		SS 2	0.8	14 20 20 16	11.1	11.8		
	8							
	9							
No Recovery		SS 3	0.0	22 9 11 9				switched to 300lb hammer
	10							
	11						11	
Brown black fiberous PEAT (Pt) (11-65)		SS 4	1.0	9 6 5 5			PEAT	
	12							
	13						13	
		U 1		P U S H	17.1 18.6 17 19.9		SAND and COBBLES	Pushed shelby tube, sand in bottom
	14							
	15							
Brown black f/c SAND, trace f gravel, silt, (SP) (7-65)		SS 5	1.0	5 5 5 5	31.5	1.3		
	16							
	17						17	End of boring
END OF BORING AT 17'								
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-8A

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/19/2008	DATE COMPLETED: 5/19/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 13.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	1	UNDIST.	1	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	n/a			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9						9	Roller bit to 9'
Brown clayey f/c SAND, trace f gravel (SC) (9-65)	10	SS 1	1.0	4 6 5 4	16.6	41.5	SAND 11	
	11							
Brown black fiberous PEAT (Pt) (11-65)	12	U 1	1.8	P U S H			PEAT 13	End of Boring
	13							
END OF BORING AT 13'	14							
	15							
	16							
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-9

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/15/2008	DATE COMPLETED: 5/15/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 15.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	4	UNDIST.	1	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	n/a			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" concrete	
	1							
	2							
	3							
	4						FILL	Roller bit to 5'
	5							
Fill: Brick, sand, gravel, cinders (11-65)		SS 1	0.5	7 6 5 6				
	6							
	7							
Top 1' Fill: Brick, sand, cinders, metal (11-65) Bottom 1': Red brown gravely f/c SAND, trace silt (SW-SM) (7-65)		SS 2	1.5	12 9 12 12	14.9	11.7	8	
	8							
	9							
Same as bottom SS2		SS 3	0.4	3 3 2 2			SAND 11	
	10							
	11							
Brown black fiberous PEAT (Pt) (11-65)		U 1		P U S H	23.5 262.4 317 271.8		PEAT 13	- pushed shelby tube 11 to 13 ft PEAT in bottom - pushed 2nd shelby, bent bottom of tube in sand (no recovery)
	12							
	13							
Gray fine SAND, some silt, trace peat (SM) (8-65)		SS 4		2 2 3 4			SILTY SAND 15	End of Boring
	14							
	15							
END OF BORING AT 15'								
	16							
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-10

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/15/2008	DATE COMPLETED: 5/15/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 9.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	2	UNDIST.	n/a	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	n/a			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" concrete	
	1							
	2							
	3							
	4						FILL	Roller bit through fill to 5'
	5							
Fill: Brick, sand, gravel, gravel, cinders (11-65)				7				Hard driving to install casing through fill
	6	SS 1	0.5	5 16				
	7			15				
Top 1' Fill (11-65)				17				
Bottom 1': Red brown f/c SAND, trace gravel (SW) (7-65)	8	SS 2	2.0	11 11			8 SAND	
	9			9			9	End of Boring
END OF BORING AT 9'								
	10							Abandoned boring and moved to offset B-10A
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-10A

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/16/2008	DATE COMPLETED: 5/16/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 18.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	3	UNDIST.	1	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	NX 2"			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
	1							
	2							
	3							
	4							
	5							
	6						FILL	
	7							
	8							
	9							Augered to 10' and installed 5" I.D. casing
	10							
Fill Top 1': Cobbles, sand, clay Bottom 1': Brown red f/c SAND, trace silt (SW) (7-65)	11	SS 1	1.0	17 18 9 7			11 SAND	
Top 1': Brown red f/c SAND, trace gravel (SW-SM) (7-65) Bottom 1': PEAT (Pt) (11-65)	12							
	13	SS 2		7 8 7 7	19.4	10.4	13	
	14							
	15	U 1		P U S H	17.1 295.7 50.8 37.8		PEAT	Pushed shelby tube from 14 to 16'
PEAT (Pt) (11-65)	16							
	17	SS 3		9 6 6 5			18	End of Boring
END OF BORING AT 18'	18							
	19							
	20							

RA CONSULTANTS LLC

LOG OF BORING B-11

PROJECT: 231 Hudson Street		PROJECT NUMBER: 08LC1020A	SHEET 1 OF 1
LOCATION: Manhatten, NY		ELEVATION & DATUM: +11 +/- BPMD	
DRILLING AGENCY: Warren George, Inc.		DATE STARTED: 5/19/2008	DATE COMPLETED: 5/19/2008
DRILLING EQUIPMENT: DK525		COMPLETION DEPTH (FT): 17.0	ROCK DEPTH (FT): n/a

SIZE AND TYPE OF BIT	4-7/8" Tricone	SIZE AND TYPE CORE BARREL			NO.SAMPLES	DIST.	4	UNDIST.	2	CORE (FT)	n/a
CASING SIZE AND TYPE	5" ϕ steel	NX 2"			WATER LEVEL	FIRST	n/a	COMPL.	n/a	24HR	n/a
CASING HAMMER WEIGHT	300 lb.	DROP	30"	SAMPLING	FOREMAN	Gregory Marney Jr.					
SAMPLER	4" O.D. Split Spoon	DROP	30"	HAMMER TYPE	HELPER	Sal Laulenza Jr.					
SAMPLER HAMMER WEIGHT	300 lb.	☐ Safety • Donut ☐ ATH			INSPECTOR	Jim Graham, P.E.					

DESCRIPTION	DEPTH (ft)	Samples Type No.	Recov. FT / %	Resist. BL/6" / RQD%	Lab. Results water cont. (%)	-200 (%)	STRATA	REMARKS
							6" concrete	
	1							
	2							
	3							
	4							Roller bit through fill to 5'
	5						FILL	
Top 1': Fill Bottom 1': Brown red f/c SAND, some clay, trace f gravel (SC) (9-65)	6	SS 1	0.8	7 28 14 12	16	27.2	6	
Brown red f/c SAND, trace gravel (SW) (7-65)	7							
	8	SS 2	0.8	14 20 20 16				
Same as SS-2	9							
	10	SS 3	0.0	22 9 11 9			SAND	
Same as SS-2	11							Pushed shelby tube rom 11 to 13'
	12	U 1	1.0	P U S H				
	13						13	Pushed shelby tube rom 13 to 15'
Brown black fiberous PEAT (Pt) (11-65)	14	U 2		P U S H				
	15						PEAT	
Top 1': Peat Bottom 1': Grey silt (MH) (10-65)	16	SS 4	1.0	5 5 5 5			16 SILT	
	17						17	End of boring
END OF BORING AT 17'	18							
	19							
	20							

APPENDIX B

Laboratory Test Results

RA #08LC1020
231 Hudson Street
LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS: WATER CONTENT (%)	LIQUID LIMIT (-)	PLASTIC LIMIT (-)	PLAS. INDEX (-)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	ORGANIC CONTENT (burnoff) (%)	TOTAL UNIT WEIGHT (pcf)	DRY UNIT WEIGHT (pcf)	STRENGTH: Type Test @ STRESS (tsf)	PEAK COMP. STRESS (tsf)	AXIAL STRAIN @ PEAK STRESS (%)	CONSOLIDATION INITIAL CONDITIONS: VOID RATIO (-)	SATUR-ATION (%)	REMARKS
B-8	S-2	7-9	11.1				SW-SM	11.8									
B-8		13-15								127.8							
B-8		13.5	17.1														
B-8		14.05	18.6														
B-8		14.6	17.0														
B-8	D	14.85	19.9	26	21	5	CL-ML		1.9								
B-8	S-5	15-17	31.5				SP	1.3									
B-8A	S-1	9-11	16.6				SC	41.5									
B-9	S-2	7-9	14.9				SW-SM	11.7									
B-9		11-13								87.8							
B-9		11.35	23.5														
B-9		11.9	262.4														
B-9	C	12.15	317.0				PT			68.3	16.4	UU@0.6	1.9	11.2			UU140a
B-9		12.45	271.8														
B-9	D	12.7	258.2				PT		65.0	68.1	19.0				4.617	96	C08059
B-10A	S-2	12-13	19.4				SW-SM	10.4									
B-10A		14-16								102.7							
B-10A		14.55	17.1														
B-10A		15.1	295.7														
B-10A	C	15.35	50.8						10.0								
B-10A		15.65	37.8														
B-11	S-1	5-7	16.0				SC	27.2									

Note: (1) USCS symbol based on visual observation and Sieve and Atterberg limits reported.

PROJECT:	RA#08LC1020				
PROJECT NO.:	31737685-158	Initial height:	0.614 inch	Final height:	0.522 inch
BORING:	B-9	Initial water content:	258.2 %	Final water content:	220.9 %
SAMPLE:	D	Initial dry density:	19.0 pcf	Final dry density:	22.3 pcf
TEST:	C08059	Initial total density:	68.1 pcf	Final total density:	71.6 pcf
DEPTH, feet:	12.7	Initial saturation:	96 %	Final saturation:	100 %
BY:	CMJ	Initial void ratio:	4.617	Final void ratio:	3.782
TEST DATE:	5/19/2008			Final strain:	15.0 %

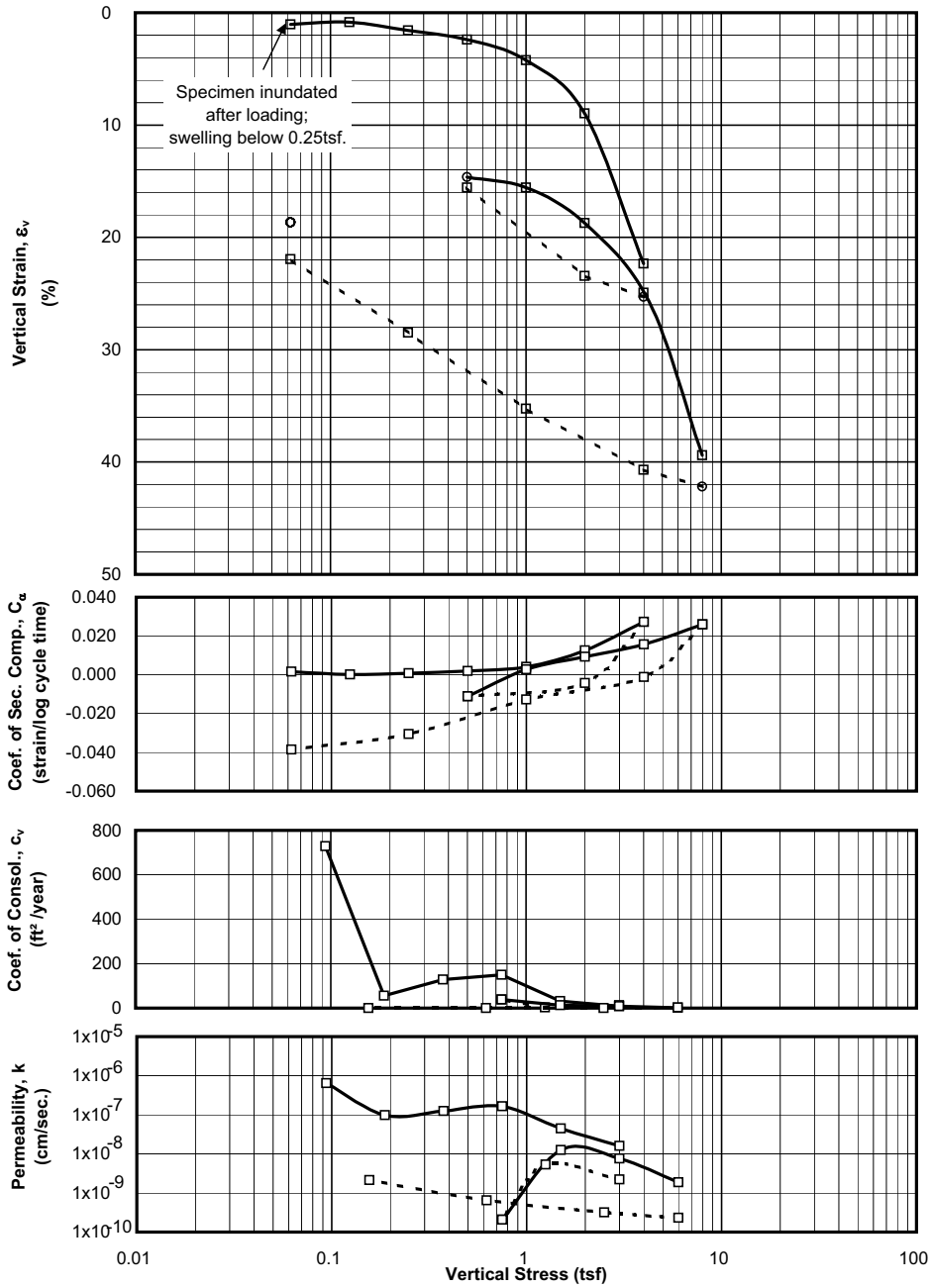
EQUIPMENT: SPECIMEN DESCRIPTION: PT, dark brown PEAT.

Load Frame No.: 4

Ring Diameter: 2.5 inch

G	LL	PL	PI
1.71			

Load No.	Load (tsf)	d_{100} (inch)	t_{100} Strain (%)	t_{100} Void Ratio (-)	Final Strain (%)	Final Void Ratio (-)	c_v (ft²/year)	C_α (strain/logt)	Constrained Modulus (tsf)	Permeability (cm/sec)
1	0.063	0.0063	1.031	4.559	0.837	4.570	213.34	0.0016	6.06	1.06E-06
2	0.125	0.0052	0.847	4.570	0.852	4.569	728.23	0.0002	33.93	6.48E-07
3	0.250	0.0097	1.579	4.528	1.681	4.523	55.55	0.0008	17.06	9.83E-08
4	0.500	0.0147	2.395	4.483	2.626	4.470	127.77	0.0019	30.65	1.26E-07
5	1.00	0.0260	4.227	4.380	4.674	4.355	149.94	0.0040	27.30	1.66E-07
6	2.00	0.0550	8.961	4.114	10.210	4.044	31.54	0.0126	21.12	4.51E-08
7	4.00	0.1372	22.342	3.362	25.285	3.197	7.96	0.0273	14.95	1.61E-08
8	2.00	0.1440	23.437	3.301	23.034	3.323	13.36	-0.0043	182.66	2.21E-09
9	0.500	0.0956	15.566	3.743	14.623	3.796	3.34	-0.0111	19.06	5.28E-09
10	1.00	0.0957	15.574	3.742	15.852	3.727	39.11	0.0028	5728.20	2.06E-10
11	2.00	0.1150	18.724	3.565	19.661	3.513	13.17	0.0094	31.75	1.25E-08
12	4.00	0.1532	24.941	3.216	26.850	3.109	8.02	0.0156	32.17	7.52E-09
13	8.00	0.2420	39.397	2.404	42.177	2.248	1.72	0.0260	27.67	1.87E-09
14	4.00	0.2500	40.696	2.331	40.609	2.336	2.38	-0.0011	308.10	2.33E-10
15	1.00	0.2165	35.242	2.638	34.805	2.662	0.57683	-0.0127	55.01	3.16E-10
16	0.250	0.1750	28.486	3.017	27.024	3.099	0.23972	-0.0306	11.10	6.51E-10
17	0.063	0.1347	21.932	3.385	18.664	3.569	0.20150	-0.0386	2.86	2.12E-09



SAMPLE INFORMATION

Boring:	B-9
Sample:	D
Depth:	12.70 feet
Elevation:	
Type:	3-inch thin wall tube
Description:	PT, dark brown PEAT.

SPECIMEN INFORMATION

(NOTE: Initial and final states refer to beginning and end of test)

Initial height:	0.61	inch
Diameter:	2.50	inch

Initial water content:	258.2	%
Initial total unit weight:	68.1	pcf
Initial dry unit weight:	19.0	pcf
Initial void ratio:	4.617	
Initial degree of saturation:	96	%

Final water content:	220.9	%	
Final total unit weight:	71.6	pcf	
Final dry unit weight:	22.3	pcf	
Final void ratio:	3.782		
Final degree of saturation:	100	%	(assumed specific gravity = 1.71)

TEST SUMMARY

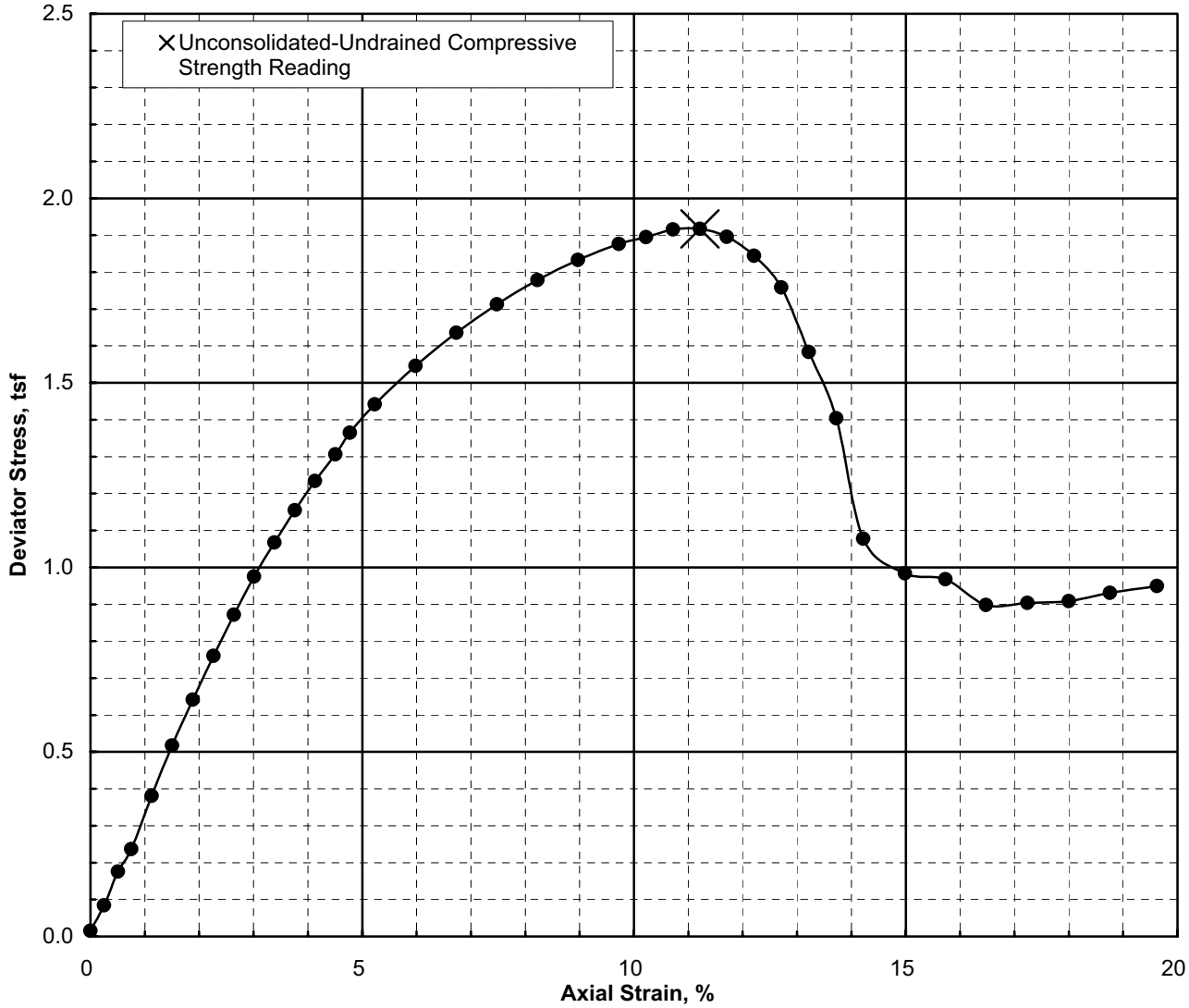
Construction Method:	Casagrande (Log)
Estimated preconsolidation stress (tsf):	2.3 (Range: 2.2 to 2.4)
Estimated in situ effective overburden stress (tsf):	
Compression Ratio (strain per log cycle stress):	0.567
Compression Index (void ratio per log cycle stress):	3.185
Swell Ratio (strain per log cycle stress):	0.131
Swell Index (void ratio per log cycle stress):	0.736
Recompression Ratio (strain per log cycle stress):	0.104
Recompression Index (void ratio per log cycle stress):	0.584
Remarks:	

LEGEND: ☐ End of primary o End of Stage ——— Loading - - - - - - - Unloading

Test Date: 5/19/08 Tested By: CMJ Checked By: GET

RA #08LC1020	231 Hudson Street	ONE DIMENSIONAL CONSOLIDATION TEST Boring: B-9 Depth: 12.70 feet
Geotesting Services, Inc.	Project No. 31737685-158	June 2008

UNCONSOLIDATED-UNDRAINED COMPRESSIVE STRENGTH TEST, ASTM METHOD D285(



Specimen and Material Property Information

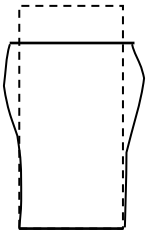
Sample Type: Intact

Description and/or Classification: PT, dark brown PEAT.

Cell Pressure (tsf)	Water (1) Content (%)	Wet Unit Weight (pcf)	Dry Unit (1) Weight (pcf)	Void Ratio (-)	Saturation (2) (%)	Length (inch)	Diameter (inch)	L/D (-)	LL/ PL (-)	PI (-)	Specific (2) Gravity (-)
0 (Initial)	317.0	68.3	16.4	5.56	98.1	6.015	2.856	2.1			1.72
0.6	317.0	69.3	16.6	5.46	100.0	5.984	2.841	2.1			

Failure Summary

U-U Compressive Strength (tsf)	U-U Shear Strength, s_u (tsf)	Strain to to Peak (%)	Strain Rate (%/min)
1.92	0.96	11.2	0.75



FAILURE SKETCH

Remarks and Notes:

(1) Water Content determined after shear from partial specimen.

(2) Assumed specific gravity

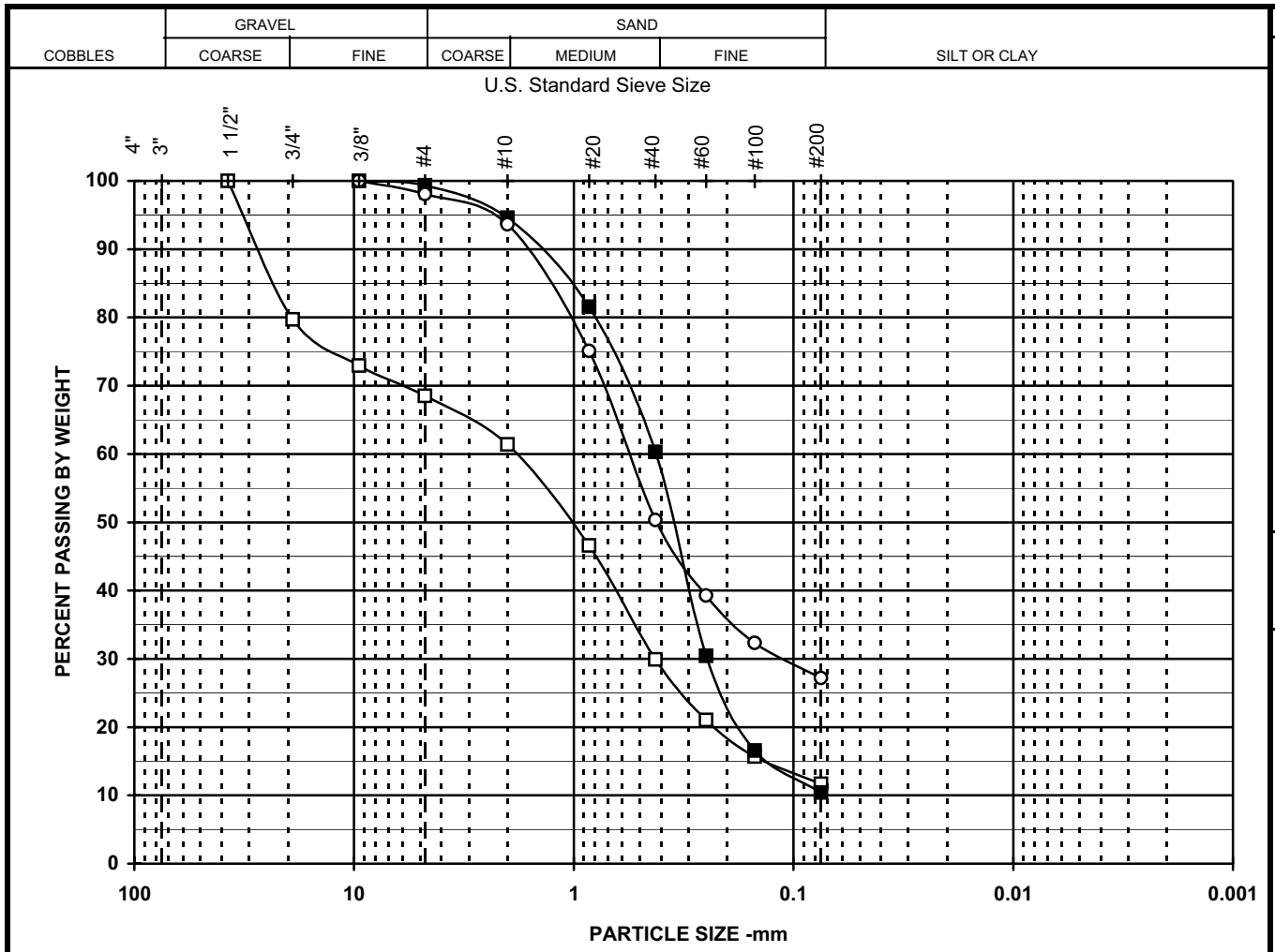
Tested by: BB

Test Date: 5/19/2008

Reviewed by: GET

Review Date: June 5, 2008

RA #08LC1020	**231 Hudson Street**	**UNCONSOLIDATED-UNDRAINED COMPRESSION TEST**
Geotesting Services, Inc. **Project # 31737685-158**		**Boring: B-9 Sample: Section: C Depth: 12.15 ft.**



Symbol	□	■	○
Boring	B-9	B-10A	B-11
Sample	S-2	S-2	S-1
Spec			
Depth	7-9	12-13	5-7
% +3"			
% Gravel	31.5	0.7	2.0
% SAND	56.8	88.9	70.8
% FINES	11.7	10.4	27.2
% -2μ			
Cc	2.2	2.1	
Cu	43.9	6.1	
LL			
PL			
PI			
USCS	SW-SM	SW-SM	SC
w (%)	14.9	19.4	16.0

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"	100.0		
3/4"	79.7		
3/8"	72.9	100.0	100.0
4	68.5	99.3	98.0
10	61.4	94.6	93.6
20	46.6	81.5	75.1
40	29.9	60.3	50.3
60	21.1	30.5	39.3
100	15.7	16.5	32.3
200	11.7	10.4	27.2

SYMBOL	DESCRIPTION AND REMARKS
□	brown gravelly c-f SAND, trace silt; +3/4" is 2 pieces of metal.
■	brown c-f SAND, trace silt.
○	brown c-f SAND, some clay, trace f. gravel.

PARTICLE SIZE DISTRIBUTION

RA #08LC1020 - 231 Hudson Street

Project No.		Figure
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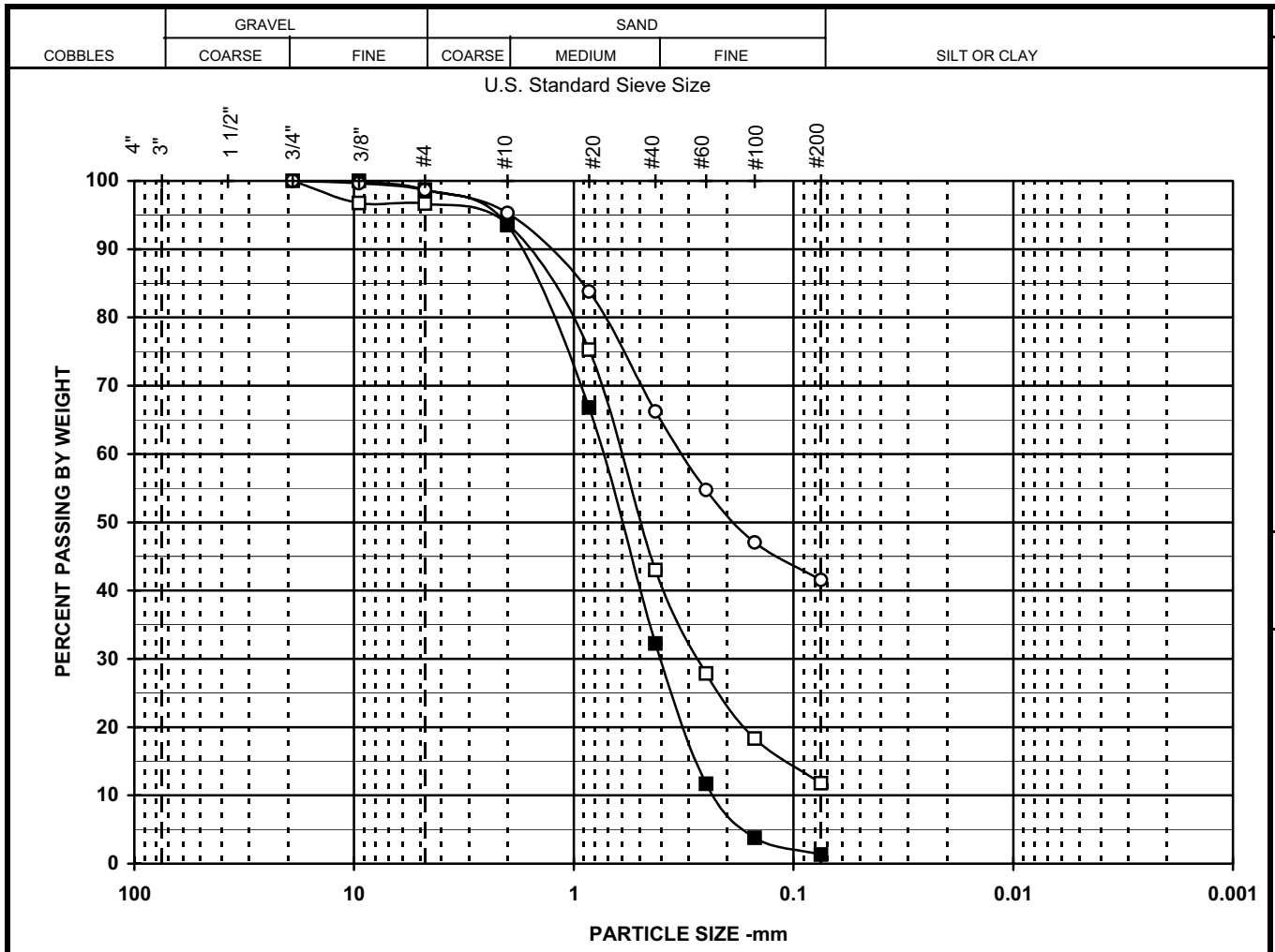

Symbol	□	■	○
Boring	B-8	B-8	B-8A
Sample	S-2	S-5	S-1
Spec			
Depth	7-9	15-17	9-11
% +3"			
% Gravel	3.4	1.3	1.3
% SAND	84.8	97.4	57.2
% FINES	11.8	1.3	41.5
% -2μ			
Cc	2.1	0.9	
Cu	11.9	3.4	
LL			
PL			
PI			
USCS	SW-SM	SP	SC
w (%)	11.1	31.5	16.6

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"	100.0		100.0
3/8"	96.8	100.0	99.6
4	96.6	98.7	98.7
10	93.7	93.5	95.3
20	75.3	66.8	83.8
40	43.0	32.2	66.2
60	27.9	11.7	54.7
100	18.3	3.8	47.0
200	11.8	1.3	41.5

SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace f. gravel, silt.
■	gray c-f SAND, trace f. gravel, silt; one piece +1.5" gravel excluded.
○	brown clayey c-f SAND, trace f. gravel.

PARTICLE SIZE DISTRIBUTION

RA #08LC1020 - 231 Hudson Street

Project No.		Figure
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