

**15 RENWICK STREET  
MANHATTAN, NEW YORK**

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# **Remedial Investigation Report**

**NYC VCP Site Number: 13CVCP080M**

**E-116: Block 594, Lots 47 and 44**

**Prepared for:**

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# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
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 15 Renwick Street Site located at 15-29 Renwick Street (Block 594 and Lots 47 and 44 in New York, New York, (NYC VCP Site No. 13CVCP080M). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Mark E. Robbins

August 2, 2012

Qualified Environmental Professional

Date

Signature

# EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance. The RI summarizes the data collected during the most recent RI work during July 2012 and also the previous environmental and geotechnical investigations; September 2005 Subsurface Investigation at 15 Renwick Street (HydroTech), October 2005 Tank Closure and Corrective Action Report at 23-29 Renwick Street (GZA), November 2005 Groundwater Cleanup at 23 Renwick Street (GZA), May 2006 Geotechnical Engineering Report at 15 Renwick Street (Langan), August 2006 Phase II Site Investigation Report at 15 Renwick Street (HydroTech), December 2007 Tank Excavation Activities at 15 Renwick Street (HydroTech), and September 2007 Phase II investigation at 23-29 Renwick Street (HydroTech).

## **Site Location and Current Usage**

The Site is located at 15-29 Renwick Street in the SoHo section in Manhattan, New York and is identified as Block 594 and Lots 47 and 44 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 9014.74-square feet and is bounded by a 4-story residential building to the north, a 6-story commercial/office building to the south, Renwick Street to the east, and two multi-story residential and commercial buildings to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is vacant with no building improvements and is secured with a plywood fence. The Site has a northerly down sloping topography as a result of a partial excavation during a previous remedial effort at the property to depths ranging between 3 feet in the southern portion to 4 feet in the northern portion. Evidence of metal and concrete shoring is present along the northern and eastern boundaries of the Site.

## **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of an 11-story residential building with a full cellar, an open terrace in the rear of the building above the basement area, and grade level parking spaces on the southern portion of the building. The building will contain thirty

one (31) residential homes. The building will be serviced with a passenger elevator. The depth of cellar excavation will be approximately 15 feet 8 inches. The depth of the excavation to the underside of the elevator pit will be 19 feet 1 inch. The cellar excavation will extend approximately 8 feet with an interim unsaturated zone facilitated by dewatering activities. The cellar foundation will consist of a 2 feet thick mat slab poured on top of a 2-inch mud slab at the bottom of excavation and a secondary 6-inch slab set 1 foot 6 inches above the mat slab foundation. The space between the mat slab foundation and the secondary top slab will be filled with gravel. Five (5) accessory parking spaces will be available on the first floor in the southern portion of the building. 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 the Phase I Environmental Site Assessment (ESA) Reports prepared by Hydro Tech Environmental, Corp. in August 2005 and July 2007, a Site history was established. The Site was historically developed with multi-story residential buildings between 1894 to 1950 and multi-story residential and commercial buildings between 1850 to 1996. Commercial uses consisted of auto repair garages on both Lot 47 and Lot 44 of the Site and a laboratory on the second floor of a building at Lot 44. The Site has been reported as vacant since 2005.

Based upon the results of the previous investigations, the AOCs identified for this Site include:

1. Presence of fill material beneath the Site at depths from grade to 15 feet bgs.

### **Summary of the Work Performed under the Remedial Investigation**

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed of a Ground Penetrating Radar (GPR) survey over the entire Site;
3. Removed one (1) 550 gallon gasoline UST at Lot 44 and one (1) 1,000 gallon UST of unknown petroleum content at Lot 47.

4. Collected end point samples around the closed/removed USTs in accordance to NYSDEC DER-10. These included six (5) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 44 at depth ranging from 6.5 feet to 9.5 feet and four (4) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 47 at depth ranging from 8 to 10 feet bgs.
5. Conducted soil and groundwater cleanup activities and closed NYSDEC spill #0507454 assigned to Lot 44 as a result of petroleum release from the gasoline UST via removal and disposed 70 cubic yards (93 tons) of petroleum impacted soil around the tank and the performance of an EFR event performed beneath the former gasoline UST.
6. Installed sixteen (16) soil borings across the entire project Site, and collected twenty three (23) soil samples for chemical analysis from the soil borings to evaluate soil quality; these included seven (7) shallow soil samples from zero to 2 feet below grade (bgs), three (3) shallow sample from 2 to 4 feet below grade, five (5) deep dry samples from 6 to 8 feet bgs, one (1) deep saturated sample from 12 to 14 feet bgs, three (3) deep saturated sample from 13 to 15 feet bgs and four (4) deep saturated soil samples ranging from 16 to 18 bgs.
7. Installed seven (7) groundwater probes throughout the Site; and collected seven (7) groundwater samples for chemical analysis from the to evaluate groundwater quality; three (3) groundwater probes were installed at Lot 44 and four (4) groundwater probes were installed at Lot 47.
8. Installed five (5) soil vapor probes throughout the Site and collected of five (5) samples for chemical analysis; and
9. Preparation of RIR based upon all investigation results.

### **Summary of Environmental Findings**

1. Elevation of the property is approximately 12 feet.
2. Depth to groundwater ranges from 7.5 to 8.5 feet at the Site.
3. Groundwater flow is generally from northeast to southwest beneath the Site.

4. Depth to bedrock is approximately 83 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of historic fill ranging in thickness from zero to 15 feet (medium to fine grained sand with varying amounts of silt, gravel and brick and traces of ash, asphalt and glass). The fill layer is underlain by organic material layer and peat in some borings to variable depths ranging from 19 to 23 feet bgs (grey clayey silt with varying amounts of sand and root fibers and brown peat). The organic material layer is also underlain by a layer of silt to variable depths ranging from 35 to 40 feet bgs (grey to brown silt with varying amount of sand and clay). The silt layer is underlain by a layer of sand and gravel to approximate depth of 86 feet throughout the Site except. In one location, bedrock (mica schist bedrock) was encountered beneath the at sand and gravel layer at 83 feet bgs.
6. Soil/fill samples collected during the RI showed no PCBs contamination in both shallow and deep soil samples. VOC's were not detected in any of shallow soils. Deeper soils indicated low levels petroleum related VOCs (total of 0.116 mg/kg) in one of 16 soil borings at concentration below the Unrestricted Use (Track 1) Soil Cleanup Objectives (SCO's). SVOC's including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene were detected in three of ten shallow soil samples at concentrations which slightly exceed the Restricted Use (Track 2) Residential SCOs. Total SVOCs in shallow soils ranged from ND to 17 ppm. In the deeper soil samples, SVOC's were mostly not detected, except for a few detections which were all below Unrestricted Use SCOs. The SVOC's are PAH compounds and are attributed to the presence of historic fill material at the property. Pesticides including DDE (maximum of 0.077 mg/kg) and DDT (0.36 maximum of mg/kg) were detected in two shallow and one deep soil samples at concentrations above the Track 1 SCOs but below the Track 2 Residential SCOs. Metals were detected in both shallow and deep soils. Metals including barium (maximum of 1,100 ppm), cadmium (maximum of 2.61 ppm), copper (maximum of 52 ppm), lead (maximum of 2,100 ppm), mercury (maximum of 4.55 ppm) and zinc (maximum of 1720 ppm) were

detected at concentrations above Track 1 SCOs, and of these, barium, cadmium, lead and mercury also exceeded the Track 2 Residential SCOs. In deeper soils, cadmium exceeded Track 2 Residential SCO.

7. Groundwater samples collected during the RI indicated that VOCs were detected in one groundwater sample collected during a groundwater investigation for a NYSDEC Spill which had concentrations of several gasoline-related VOCs well below the NYSDEC Part 703.5 Groundwater Quality Standards (GQS). SVOC's were mostly not detected in the groundwater, except for two SVOC's (fluoranthene at 1.8 ug/L and naphthalene at 8 ug/L) which were below the GQS. Pesticides and PCB's were not detected in groundwater. Dissolved antimony, iron, lead, magnesium, manganese, and sodium were detected above their respective GQS. Lead was detected in one well at 31 ppb (GQS is 25 ppb). Gross contamination was not encountered during the field investigation at the site.
  
8. Soil vapor samples collected during the RI showed a variety of VOCs detected throughout the Site at moderate levels. Numerous gasoline-related compounds were detected through all of the samples, including 2-butanone (800-1,200 ug/m<sup>3</sup>), 2-hexanone (200-290 ug/m<sup>3</sup>), acetone (1,000-3,700 ug/m<sup>3</sup>), isopropanol (48-180 ug/m<sup>3</sup>), and toluene (26-80 ug/m<sup>3</sup>). The petroleum-related compounds in soil vapor are most likely residuals left over from the two UST's removed from the site. Chlorinated VOCs including PCE (46 ug/m<sup>3</sup>) and TCE (95 ug/m<sup>3</sup>) were detected in one of the five soil vapor samples.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

GGP Renwick LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.207-acre site (9014.74 square feet) located at 15-29 Renwick Street in SoHo section of Manhattan New York. Residential use is proposed for the property. The RI field work was performed during July 2012. 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 15-29 Renwick Street in the SoHo section in Manhattan, New York and is identified as Block 594 and Lots 47 and 44 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 9014.74-square feet and is bounded by a 4-story residential building to the north, a 6-story commercial/office building to the south, Renwick Street to the east, and two multi-story residential and commercial buildings to the west. A map of the site boundary is shown in **Figure 2**. Currently, the Site is vacant with no building improvements and is secured with a plywood fence. The Site has a northerly down sloping topography as a result of a partial excavation during a previous remedial effort at the property to depths ranging between 3 feet in the southern portion to 4 feet in the northern portion. Evidence of metal and concrete shoring is present along the northern and eastern boundaries of the Site.

## 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of an 11-story residential building with a full cellar, an open terrace in the rear of the building above the basement area, and grade level parking spaces on the southern portion of the building. The building will contain thirty one (31) residential homes. The building will be serviced with a passenger elevator. The depth of cellar excavation will be approximately 15 feet 8 inches. The depth of the

excavation to the underside of the elevator pit will be 19 feet 1 inch. The cellar excavation will extend approximately 8 feet with an interim unsaturated zone facilitated by dewatering activities. The cellar foundation will consist of a 2 feet thick mat slab poured on top of a 2-inch mud slab at the bottom of excavation and a secondary 6-inch slab set 1 foot 6 inches above the mat slab foundation. The space between the mat slab foundation and the secondary top slab will be filled with gravel. Five (5) accessory parking spaces will be available on the first floor in the southern portion of the building. 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 east of the Site. A 4-story residential building is located to the north of the Site; a 6 story commercial/office building is located to the south and two multistory buildings are located to the west.

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 4** 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) Reports prepared by Hydro Tech Environmental, Corp. in August 2005 and July 2007, a Site history was established. The Site was historically developed with multi-story residential buildings from 1894 to 1950 and multi-story residential and commercial buildings from 1850 to 1996. Commercial uses consisted of auto repair garages on both Lot 47 and Lot 44 of the Site and a laboratory on the second floor of a building at Lot 44. The Site has been reported as vacant since 2005.

### **2.2 PREVIOUS INVESTIGATIONS**

Previous investigations performed at the Site included the following:

- Phase I Environmental Site Assessment (ESA), 15 Renwick Street, August 2005, Hydro Tech Environmental, Corp.,
- Subsurface Investigation, 15 Renwick Street, September 2005, Hydro Tech Environmental, Corp.,
- Tank Closure and Corrective Action Report, 23-29 Renwick Street, October 2005, GZA GeoEnvironmental, Inc.,
- Groundwater Cleanup at 23 Renwick Street, November 2005, GZA GeoEnvironmental, Inc.,
- Geotechnical Engineering Report, 15 Renwick Street, May 2006, Langan Engineering and Environmental Services,
- Site Investigation Report, 15 Renwick Street, August 2006, Hydro Tech Environmental, Corp.,
- Tank Excavation Activities, 23-29 Renwick, December 2007, Hydro Tech Environmental, Corp.,

- Phase I Environmental Site Assessment (ESA), 23-29 Renwick Street, July 2007, Hydro Tech Environmental, Corp., and
- Site Investigation Report, 23-29 Renwick Street, September 2007, Hydro Tech Environmental, Corp.

**Appendix-A** provides all previous environmental and geotechnical investigations.

### **2.3 SITE INSPECTION**

Visual inspection of the Site was performed by Angel Ramirez of Hydro Tech Environmental, Corp. at lot 47 on August 1, 2005 and by Rachel Ataman of Hydro Tech Environmental, Corp. at Lot 44 on Friday July 13, 2007.

Lot 47 was developed with a 2-story commercial building with a partial cellar. One (1) 550 gallon inactive AST of unknown content was visible from a distance in the partial basement. Multiple floor drains discharging into the sewer system were identified inside the commercial building.

Lot 44 was vacant and undeveloped. A plywood fence was present at the eastern boundary of this lot along Renwick Street. Lot 47 was noted as vacant and undeveloped. The ground covering at Lot 44 and Lot 47 consisted of bare soil. No evidence of releases or threatened releases of hazardous substances/petroleum products was indentified at lot 44.

### **2.4 AREAS OF CONCERN**

Based upon the results of the previous investigations, the AOCs identified for this Site include:

1. Presence of fill material beneath the Site at depths from grade to 15 feet bgs.
2. Historical usage as auto repair.
3. Presence of one AST and presence of multiple floor drains inside auto repair shop.

A map showing areas of concern is presented in **Figure 5**.

### **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 remedial investigatory efforts at the Site. The scope of work is implemented by Hydro Tech Environmental, Corp. and also by GZA GeoEnvironmental, Inc.:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Performed a Ground Penetrating Radar (GPR) survey over the entire Site;
3. Removed one (1) 550 gallon gasoline UST at Lot 44 and one (1) 1,000 gallon UST of unknown petroleum content at Lot 47.
4. Collected end point samples around the closed/removed USTs in accordance to NYSDEC DER-10. These included six (5) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 44 at depth ranging from 6.5 feet to 9.5 feet and four (4) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 47 at depth ranging from 8 to 10 feet bgs.
5. Conducted soil and groundwater cleanup activities and closed NYSDEC spill #0507454 assigned to Lot 44 as a result of petroleum release from the gasoline UST via removal and disposed 70 cubic yards (93 tons) of petroleum impacted soil around the tank and the performance of an EFR event performed beneath the former gasoline UST.
6. Installed sixteen (16) soil borings across the entire project Site, and collected twenty three (23) soil samples for chemical analysis from the soil borings to evaluate soil quality; these included seven (7) shallow soil samples from zero to 2 feet below grade (bgs), three (3) shallow sample from 2 to 4 feet below grade, five (5) deep dry samples from 6 to 8 feet bgs, one (1) deep saturated sample from 12 to 14 feet bgs, three (3) deep saturated sample from 13 to 15 feet bgs and four (4) deep saturated soil samples ranging from 16 to 18 bgs.
7. Installed seven (7) groundwater probes throughout the Site; and collected seven (7) groundwater samples for chemical analysis from the to evaluate groundwater quality; three (3) groundwater probes were installed at Lot 44 and four (4) groundwater probes were installed at Lot 47.

8. Installed five (5) soil vapor probes throughout the Site and collected of five (5) samples for chemical analysis; and
9. Prepared RIR based upon all investigation results.

Photographs were taken during RI activities and are provided in **Appendix B**.

#### **4.1 GEOPHYSICAL INVESTIGATION**

A geophysical survey consisting of Ground Penetrating Radar (GPR) survey was performed at Lot 47 during 2005 and 2006 and at Lot 44 during 2007. The purpose of the GPR survey was to identify the presence of any suspect USTs.

The survey was performed 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 was performed successfully over the entire Site. One anomaly indicative of UST was identified at in the southern portion of Lot 47.

#### **4.2 TANK CLOSURE ACTIVITIES**

The 550 gallon AST of unknown content, which was observed at Lot 47 during August 2005, was apparently removed by others prior to demolition activities at this lot. No information pertaining to the removal of this tank was disclosed by others.

A 550-gallon gasoline UST was closed and removed from the central portion of Lot 44 by GZA GeoEnvironmental, Inc. (GZA) during September 2005. In addition a 1,000 gallon UST utilized for the storage of unknown petroleum was closed and removed from the

southern portion of Lot 47 by Hydro Tech Environmental, Corp. during remedial soil excavation activities performed in October 2007.

A total 1,350 gallons of waste liquids was properly disposed of the closed USTs in accordance with local, state and federal regulations.

No evidence of petroleum contamination was identified during the tank closure activities at Lot 47. During the tank excavation activities at Lot 44, petroleum staining and strong petroleum odor and elevated level of organic vapors were identified at the bottom of the closed/removed gasoline UST from approximately 7 feet bgs to the bottom of excavation at approximately 10 feet bgs. NYSDEC Spill #0507454 was immediately assigned to the release.

Under the direction of GZA approximately 70 cubic yards of petroleum impacted soil were removed from the UST pit and properly disposed in accordance to local, state and federal regulations. The impacted soil excavation around the removed UST was limited to the north by a brick wall and support column, to the east by the property line along Renwick Street and to the west by another support column. Gasoline contamination appeared to extend to the groundwater beneath the removed gasoline UST as was confirmed by a groundwater sample collected from the bottom of tank pit. GZA conducted one EFR event to mitigate for potential localized impact to groundwater. No detailed information on the performance of the EFR was available for review. A post-EFR groundwater sample was collected beneath the former tank location to test for the groundwater quality.

The tank excavation at lot 44 was backfilled with non-impacted soil/fill plus an additional 30 cubic yards of imported clean fill. The tank excavation at Lot 47 was backfilled with on-site soil/fill.

At the conclusion of each tank closure event, endpoint soil samples were collected in accordance with NYSDEC DER-10. These included six (5) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 44 at depth ranging from 6.5 feet to 9.5 feet and four (4) sidewall endpoints samples and one (1) bottom endpoint samples at Lot 47 at depth ranging from 8 to 10 feet bgs.

### **4.3 SUBSURFACE BORINGS**

#### **Drilling and Soil Logging**

A total of sixteen (16) oil probes were installed and sampled at the Site. Ten (10) soil probes designated SP-1 to SP-10 were installed across Lot 47. Six (6) soil probes designated SP-1A to SP-5A and SP-11 were installed across Lot 44. The soil probes were installed to variable depths ranging from 8 feet bgs to 18 feet bgs.

All soil probes were installed utilizing Hydro Tech's fleet of Geoprobe<sup>®</sup> fitted with Geoprobe<sup>®</sup> tooling and sampling equipment. Soil samples were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. Each macrocore was cut open and immediately. A geologist logged the lithology of soil sample at two foot intervals following the characterization and screening of samples with a Photo Ionization Detector (PID) for VOCs, prior to collecting the required samples for laboratory analysis. Boring logs included PID readings, visual/olfactory observations and soil classification utilizing the Unified Soil Classification System

A total of twenty three (23) soil samples were collected from the Site for laboratory analysis; these included seven (7) shallow soil samples from zero to 2 feet below grade (bgs), three (3) shallow sample from 2 to 4 feet below grade, five (5) deep dry samples from 6 to 8 feet bgs, one (1) deep saturated sample from 12 to 14 feet bgs, three (3) deep saturated sample from 13 to 15 feet bgs and four (4) deep saturated soil samples ranging from 16 to 18 bgs.

Boring logs were prepared by a geologist and are attached in **Appendix C**. A map showing the location of soil borings is shown in **Figure 6**. Soil samples from each boring were screened by visual and olfactory means and for organic vapors using a calibrated PID. Results of soil screening are recorded on the soil boring logs.

#### **Groundwater Probes**

Seven (7) groundwater probes were installed across the Site utilizing similar technology as the soil probes. Four (4) groundwater probes designated GW-1, GW-2, GP-4 and GP-7

were installed at Lot 47 and three (3) groundwater probes designated GW-1A, GW-4 and GW-T were installed at Lot 44.

Each groundwater probe was installed with 2-inch diameter drill rods. The groundwater sampler consisted of a 4 foot long screen with a slot size of 0.010 inches. The screen is driven within a watertight sheath, which was encountered at approximately 7.5 to 8.5 feet below grade. Groundwater sample was then collected from the screen utilizing an inertial pump fitted with dedicated polyethylene tubing.

### **Soil Vapor Boring Construction**

Five (5) soil vapor probes designated SV-1, SV-2, SV-3, SV-4 and SV-5 were installed during this RI. The soil probes were installed at a depth of 1.5 feet below currently existing 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.

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.

## **4.4 SAMPLE COLLECTION AND CHEMICAL ANALYSIS**

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling

performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

### **Soil Sampling**

Eleven (11) endpoint soil samples were collected around the closed/removed USTs utilizing a hand auger for chemical analysis. Sixteen (16) soil borings and twenty three (23) soil samples were collected for chemical analysis during this RI. Soil samples from soil borings were collected utilizing a 4-foot long Macro Core sampler fitted with dedicated acetate liners. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 1**. **Figure 6** 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.

All soil 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

Seven (7) groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected using the low stress (low flow) purging and sampling procedure. The low flow was accomplished with a Solinst Model 410 Peristaltic Pump.

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

Groundwater sample collection data is reported in **Table 2**. **Figure 6** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

## Soil Vapor Sampling

Five (5) soil vapor probes were installed and five (5) soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in **Figure 6**. Soil vapor sample collection data is reported in **Table 3**. Soil vapor sampling logs are included in **Appendix D**. 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<sup>®</sup> Canister. In order to insure the integrity of the borehole seal and to verify that ambient air is not inadvertently drawn into the sample, a tracer gas, Helium, was used to enrich the atmosphere in the immediate vicinity of the sampling location. Plastic sheeting was used to keep the tracer gas in contact with the soil vapor probe during the sampling. A portable monitoring device MGD-2002 Helium-Hydrogen Lead Detector; Model 83-219, was utilized to monitor a real time air sample from each soil vapor sampling point for Helium prior and after sampling. Helium detector readings ranged between 20 µg/L and 30 µg/L indicating the tracer gas was not detected. Following verification that the surface seal was tight and prior to soil vapor sampling, approximately 0.3 ml of air was purged out of all vapor points utilizing a syringe.

The 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.

### Chemical Analysis

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

<b>Factor Description</b>	
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 were York Analytical laboratories, Inc., Accredited laboratories, Inc., Phoenix Environmental Laboratories, Inc.
Chemical Analytical Methods	<p>Endpoint soil samples analytical methods:</p> <ul style="list-style-type: none"> <li>• VOCs by EPA Method 8021 and EPA Method 8260C</li> <li>• SVOCs by EPA Method 8270B and EPA Method 8270D</li> <li>• Lead by EPA Method 6010B</li> </ul> <p>Soil boring sample analytical methods:</p> <ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Groundwater analytical methods:</p>

	<ul style="list-style-type: none"> <li>• TAL Metals by EPA Method 6010C (rev. 2007);</li> <li>• VOCs by EPA Method 8260C (rev. 2006);</li> <li>• SVOCs by EPA Method 8270D (rev. 2007);</li> <li>• Pesticides by EPA Method 8081B (rev. 2000);</li> <li>• PCBs by EPA Method 8082A (rev. 2000);</li> </ul> <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> <li>• VOCs by TO-15 VOC parameters.</li> </ul>
--	--

### Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Table 1, 2 and 3**. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix F, F and G**.

## **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**

The stratigraphy of the Site, from surface down, consists of historic fill ranging in thickness from zero to 15 feet (medium to fine grained sand with varying amounts of silt, gravel and brick and traces of ash, asphalt and glass). The fill layer is underlain by organic material layer and peat in some borings to variable depths ranging from 19 to 23 feet bgs (grey clayey silt with varying amounts of sand and root fibers and brown peat). The organic material layer is also underlain by a layer of silt to variable depths ranging from 35 to 40 feet bgs (grey to brown silt with varying amount of sand and clay). The silt layer is underlain by a layer of sand and gravel to approximate depth of 86 feet throughout the Site except. In one location, bedrock (mica schist bedrock) was encountered beneath the at sand and gravel layer at 83 feet bgs.

#### **Hydrogeology**

The range in groundwater depth, as determined from the geotechnical study is 7.5 to 8.5 feet bgs. Groundwater flow is from northeast to southwest.

### **5.2 SOIL CHEMISTRY**

Soil/fill samples collected during the RI showed no PCBs contamination in both shallow and deep soil samples. VOC's were not detected in any of shallow soils. Deeper soils

indicated low levels petroleum related VOCs (total of 0.116 mg/kg) in one of 16 soil borings at concentration below the Unrestricted Use (Track 1) Soil Cleanup Objectives (SCO's). SVOC's including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene were detected in three of ten shallow soil samples at concentrations which slightly exceed the Restricted Use (Track 2) Residential SCOs. Total SVOCs in shallow soils ranged from ND to 17 ppm. In the deeper soil samples, SVOC's were mostly not detected, except for a few detections which were all below Unrestricted Use SCOs. The SVOC's are PAH compounds and are attributed to the presence of historic fill material at the property. Pesticides including DDE (maximum of 0.077 mg/kg) and DDT (0.36 maximum of mg/kg) were detected in two shallow and one deep soil samples at concentrations above the Track 1 SCOs but below the Track 2 Residential SCOs. Metals were detected in both shallow and deep soils. Metals including barium (maximum of 1,100 ppm), cadmium (maximum of 2.61 ppm), copper (maximum of 52 ppm), lead (maximum of 2,100 ppm), mercury (maximum of 4.55 ppm) and zinc (maximum of 1720 ppm) were detected at concentrations above Track 1 SCOs, and of these, barium, cadmium, lead and mercury also exceeded the Track 2 Residential SCOs. In deeper soils, cadmium exceeded Track 2 Residential SCO.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in **Table 1**. **Figure 7, 8** and **9** show the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 and Track 2 Soil Cleanup Objectives.

### **5.3 GROUNDWATER CHEMISTRY**

Groundwater samples collected during the RI indicated that VOCs were detected in one groundwater sample collected during a groundwater investigation for a NYSDEC Spill which had concentrations of several gasoline-related VOCs well below the NYSDEC Part 703.5 Groundwater Quality Standards (GQS). SVOC's were mostly not detected in the groundwater, except for two SVOC's (fluoranthene at 1.8 ug/L and naphthalene at 8 ug/L) which were below the GQS. Pesticides and PCB's were not detected in groundwater. Dissolved antimony, iron, lead, magnesium, manganese, and sodium were detected above

their respective GQS. Lead was detected in one well at 31 ppb (GQS is 25 ppb). Gross contamination was not encountered during the field investigation at the site.

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 2**. **Figure 10** shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

#### **5.4 SOIL VAPOR CHEMISTRY**

Soil vapor samples collected during the RI showed a variety of VOCs detected throughout the Site at moderate levels. Numerous gasoline-related compounds were detected through all of the samples, including 2-butanone (800-1,200 ug/m<sup>3</sup>), 2-hexanone (200-290 ug/m<sup>3</sup>), acetone (1,000-3,700 ug/m<sup>3</sup>), isopropanol (48-180 ug/m<sup>3</sup>), and toluene (26-80 ug/m<sup>3</sup>). The petroleum-related compounds in soil vapor are most likely residuals left over from the two UST's removed from the site. Chlorinated VOCs including PCE (46 ug/m<sup>3</sup>) and TCE (95 ug/m<sup>3</sup>) were detected in one of the five soil vapor samples.

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 3**. **Figure 11** shows the location and posts the values for soil vapor samples with detected concentrations.

#### **5.5 PRIOR ACTIVITY**

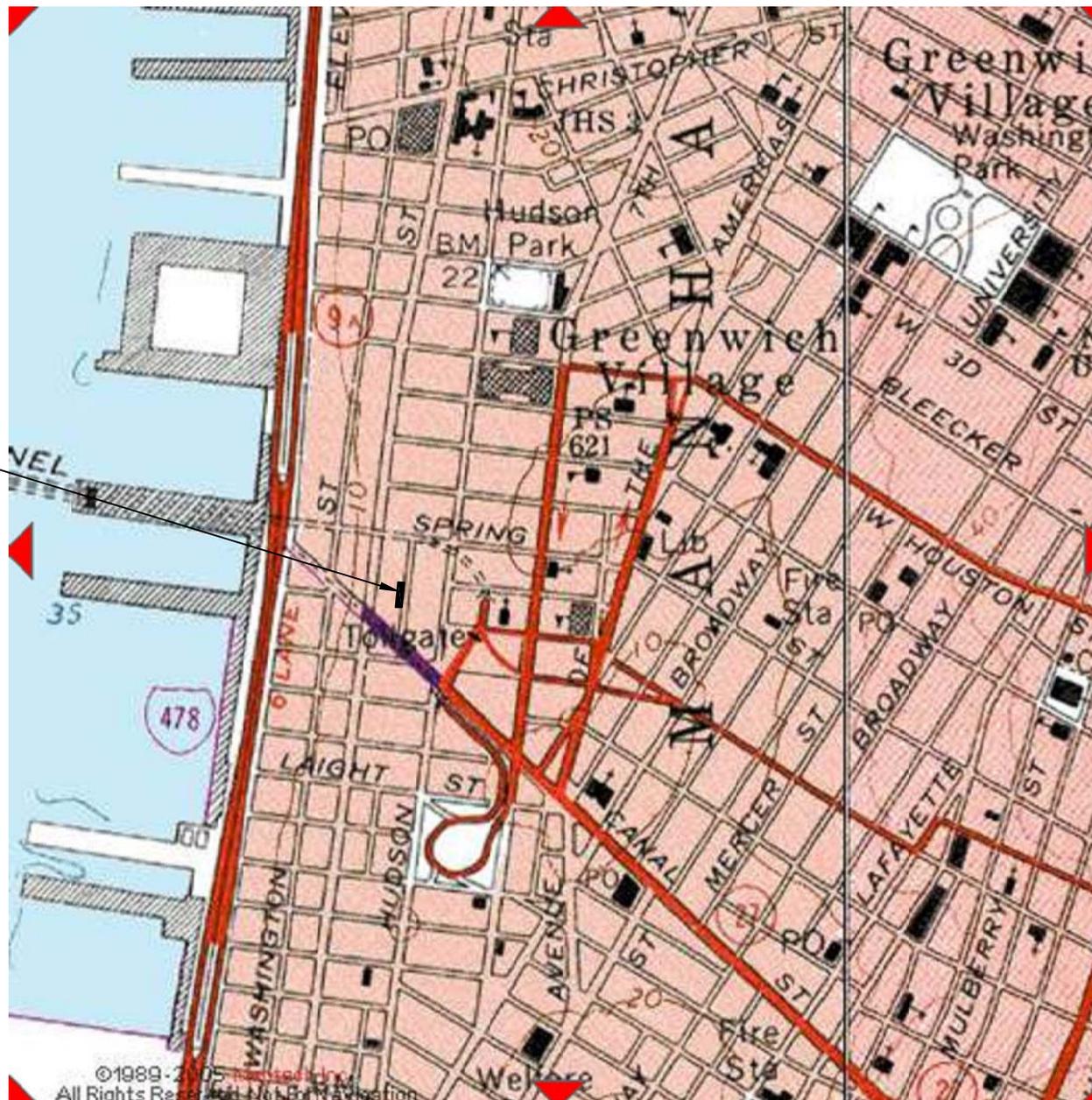
Two USTs have been closed and spill is closed. Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

#### **5.6 IMPEDIMENTS TO REMEDIAL ACTION**

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

## FIGURES

15 - 29 RENWICK STREET, NYC



**HYDRO TECH ENVIRONMENTAL CORP.**

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

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

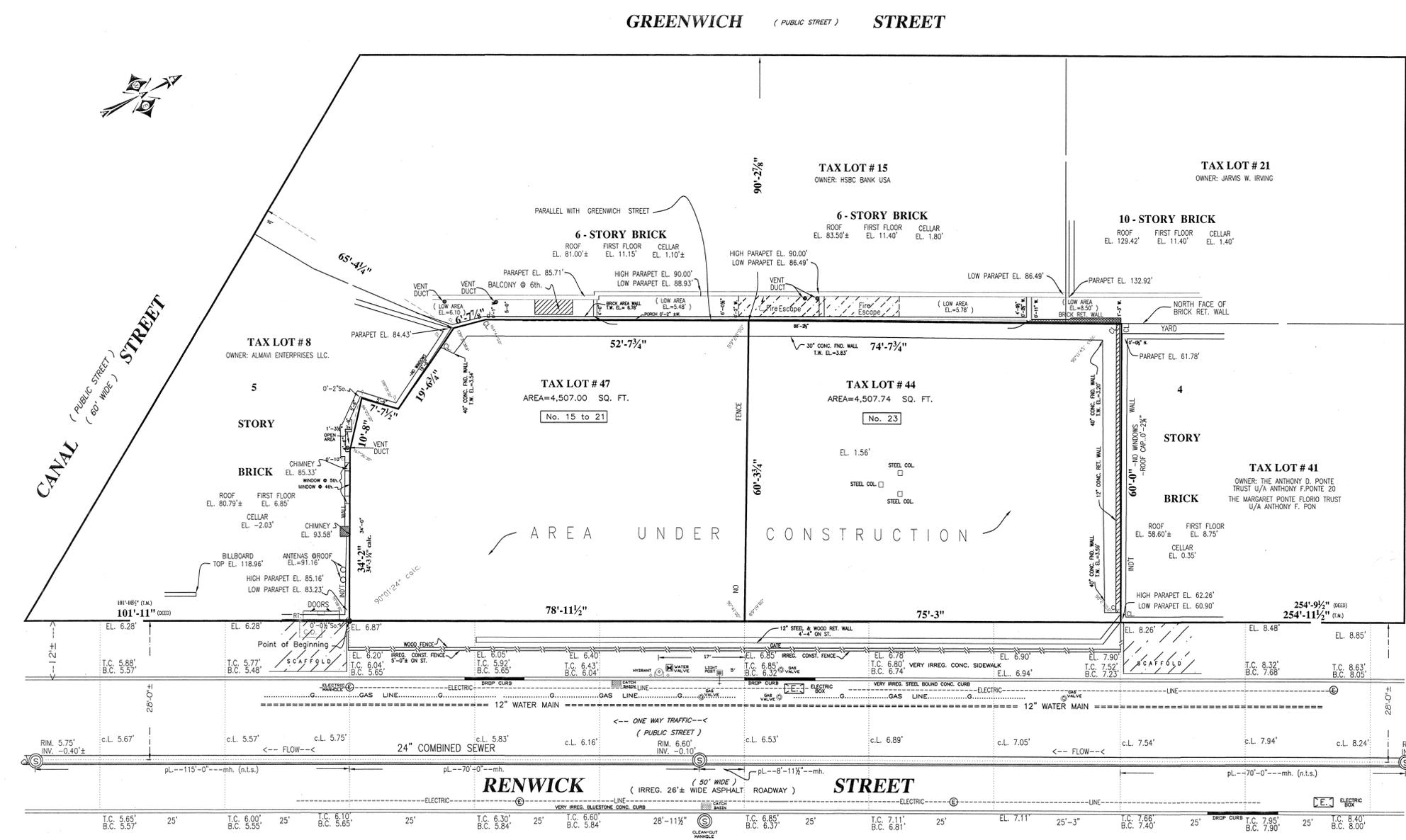
15 - 29 Renwick Street  
New York, NY.  
HTE Job# 120130

Drawn By: C.O.  
Reviewed By: M.R.  
Approved By: M.S.  
Date: 06/06/12  
Scale: AS NOTED

TITLE:

FIGURE 1: SITE LOCATION MAP

**Figure-2**  
**Site Boundary Map**



SPRING STREET (60' WIDE) (PUBLIC STREET)

**LEGAL DESCRIPTION (LOT # 44 & 47)**

SCHEDULE A  
BLOCK 594 LOT 47

All that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, County, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of Renwick Street, distant 101 feet 11 inches northerly from the corner formed by the intersection of the northerly side of Canal Street with the westerly side of Renwick Street

RUNNING thence northerly, along said westerly side of Renwick Street, 52 feet 11 3/4 inches to the southerly side of the lot of land now known as Number 23 Renwick Street

THENCE westerly along a line forming an angle on its southerly side with Renwick Street of 90 degrees 41 minutes and along the westerly side of said Number 23 Renwick Street 60 feet 3 1/4 inches

THENCE southerly parallel with Greenwich Street, 52 feet 7 1/4 inches

THENCE southerly on a line forming an angle of 104 degrees 44 minutes with the preceding course 6 feet 7 7/8 inches to a point distance 65 feet 4 1/4 inches northerly from Canal Street measured on a line at right angles to Canal Street

THENCE easterly on a line forming an angle on its northerly side of 139 degrees 31 minutes 30 seconds with the preceding course 19 feet 6 1/4 inches

THENCE southerly on a line forming an angle on its westerly side of 108 degrees 18 minutes 30 seconds with the preceding course 7 feet 7 1/4 inches

THENCE easterly on a line forming an angle on its northerly side of 86 degrees 25 minutes 30 seconds with the preceding course 10 feet 8 inches to the westerly face to the wall of the building known as Number 15 Renwick Street

THENCE easterly on a line forming an angle on its northerly side of 167 degrees 36 minutes 30 seconds with the preceding course 34 feet 2 inches to the westerly side of Renwick Street at the point or place of beginning, be the said dimensions more or less

BLOCK 594 LOT 44

All that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, County and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of RENWICK Street, distance 254 feet 9 1/2 inches southerly from the corner formed by the intersection of the southerly side of Spring Street with the westerly side of Renwick Street

RUNNING thence westerly along a line forming an angle on its southerly side of 90 degrees, 02 minutes, 20 seconds with the said westerly side of Renwick Street 60 feet

THENCE southerly along a line forming an angle on its easterly side of 89 degrees, 57 minutes, 40 seconds with the said last course, 74 feet 7 1/4 inches

THENCE easterly, in a straight line and along the northerly side of said Number 21 Renwick Street, 60 feet 3 1/4 inches to the westerly side of Renwick Street

THENCE northerly, along the westerly side of Renwick Street 75 feet 3 inches to the point or place of beginning

**ARCHITECTURAL SURVEY**

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INVERTING CODE 83 OF NEW YORK STATE.

1) ALL ELEVATIONS REFER TO NEW YORK TOPOGRAPHICAL SURVEY DATUM WHICH IS 2.280 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK NEW JERSEY.

2) UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM MESSAGES OBTAINED AND NOT FIELD VERIFIED AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.

3) THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STREAMS, NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.

**LEGEND**

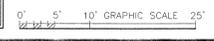
SYMBOL	DESCR.	SYMBOL	DESCR.	SYMBOL	DESCR.
---X---	CHAIN LINK FENCE	CALC.	CALCULATED	ST.	STREET
--- ---	IRON/OR METAL FENCE	C.D.	CELLAR DOOR	STY.	STORY
---W---	WOOD FENCE	CL.	CELLAR	N/No.	NORTH
---O---	OTHER TYPE OF FENCE	C.	CONCRETE	S/No.	SOUTH
---	WIRE FENCE	CONC.	CONCRETE	E	EAST
---	CHIMNEY	ENT. UND.	ENTRANCE UNDER	W.	WEST
---	DRAIN	INDP.	INDEPENDENT	NE	NORTHEAST
---	OVERHEAD WIRE	LA.	LOW AREA	SE	SOUTHEAST
---	UTILITY POLE	N.T.S.	NOT TO SCALE	NW	NORTHWEST
---	ARCWAY	ORN.	ORNAMENTAL	SW	SOUTHWEST
---	ALUM.	PROJ.	PROJECTS	W.W./W.	WINDOW WELL
---	AWL.	RET.	RETAINING		
---	BSMT	RT	RIGHT		

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AAA GROUP  
LAND SURVEYORS SERVICES  
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BROOKLYN, N.Y. 11211  
TEL (718) 387-9800, FAX 384-5050

**RENWICK STREET**

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SURVEYED : OCTOBER 07, 2005  
UPDATED : MAY 31, 2012  
SCALE: 1"=12'  
BLOCK: 594  
LOT(S): 44,47  
SECTION: 1  
COUNTY: NEW YORK  
DWG. BY: AAA-01

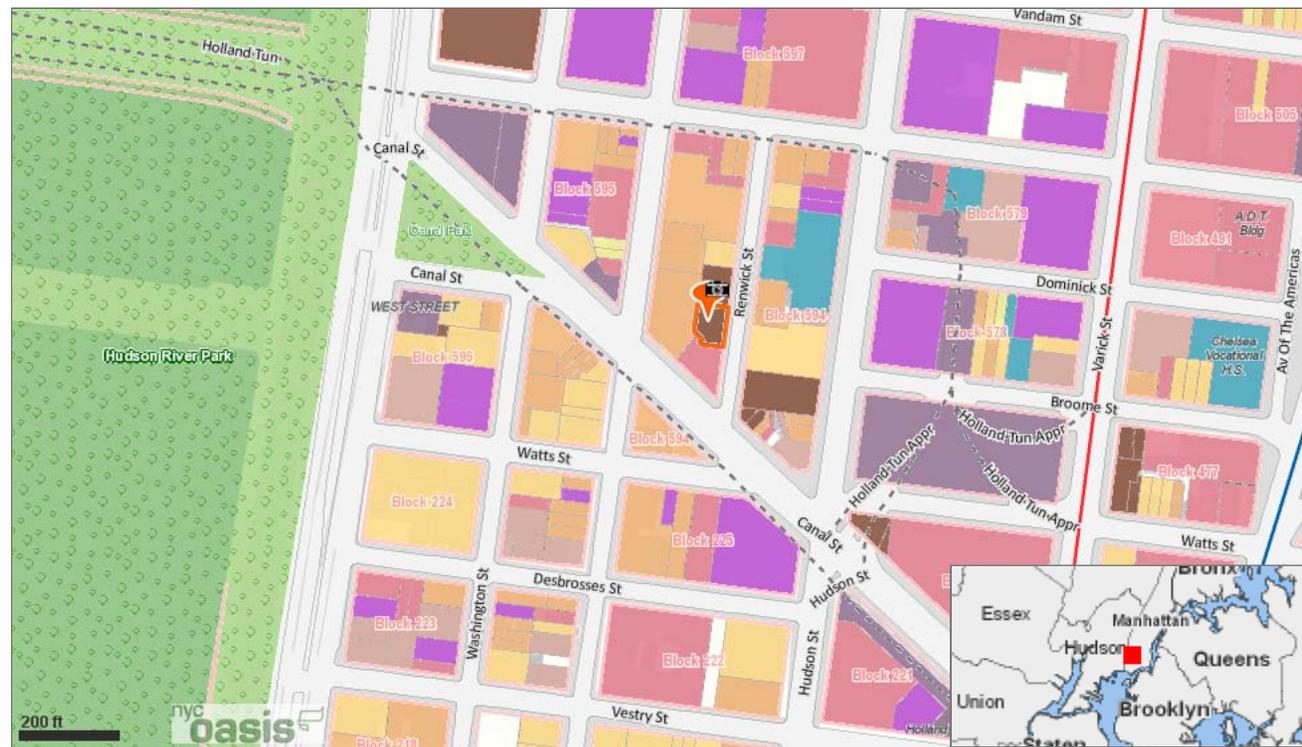


**Figure-3**  
**Proposed Redevelopment Plan**



**Figure-4**  
**Land-Use Map**

# 15 Renwick St



### Legend

- Transit, Roads, Reference Features**
  - Roads, ferries, commuter rail, neighborhood names
  - Roads
  - Major Roads
  - Interstate Highways
  - Tunnels
  - Neighborhood/Town Labels
  - County Boundaries
  - Ferry
  - Commuter Rail
  - NYC subway routes and stations
- Parks, Playgrounds, & Open Space**
  - Parks & Public Lands
  - Community Gardens
- Land Use**
  - 1 & 2 Family Residential
  - Multi-family Residential
  - Mixed Use
  - Open space & outdoor recreation
  - Commercial
  - Institutions
  - Industrial
  - Parking
  - Transportation / Utilities
  - Vacant Lots

(Not all items in the legend may be visible on the map.)

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## Location Report

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### Property Information (1)

15 RENWICK STREET, MANHATTAN 10013

#### *Vacant Land*

Owner: PHH OWNER LLC

Block: 594 Lot: 47

#### Property Characteristics:

Lot Area: 4,237 sq ft (79' x 60.25')

# of Buildings: 0 Year built: 0

# of floors: 0 Building Area: 0 sq ft

Total Units: 0 Residential Units: 0

Primary zoning: C6-2A Commercial Overlay: None

Floor Area Ratio: 0 Max. FAR: 6.02

FAR may depend on street widths or other characteristics. Contact [City Planning Dept.](#) for latest information.

#### MORE INFO:

- Zoning Map#: [12a](#) ([how to read](#) NYC zoning maps)
- Historical Zoning Maps: [12a](#)
- [NYC Dept. of Buildings](#)
- [Property transaction records](#)
- [NYC Dept. of Finance Assessment Roll](#)
- [NYC Digital Tax Map](#)
- [NYC zoning guide](#)
- [NYC Watershed Resources](#)

#### OASIS shortcut to this property:

<http://oasisnyc.net/printmap.aspx?zoomto=lot:1005940047>

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[NYC Department of City Planning Census Factfinder](#)

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---

## Mannahatta (1)

---

### Community District (1)

#### Manhattan 2 Community District Information

Chairperson: Ms. Jo Hamilton

District Manager: Mr. Bob Gormley

Address: 3 Washington Square Village, #1A, New York, NY, 10012

Phone: 212-979-2272 Email: [cb2manhattan@nyc.rr.com](mailto:cb2manhattan@nyc.rr.com)

Website:

#### Meeting Information:

[Go to District Profile](#) by NYC Dept. of City Planning

---

### Political Districts (5)

NYC Council: [District 3](#)

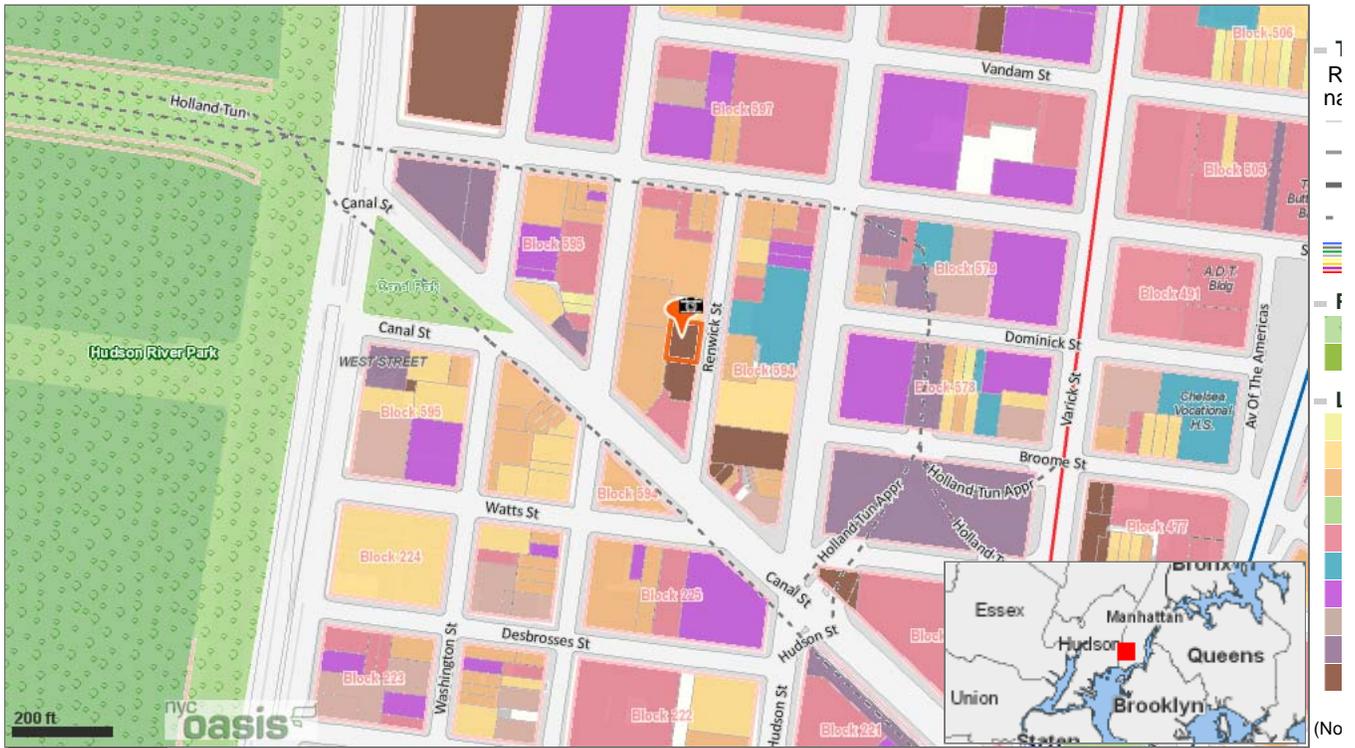
NYS Assembly: [District 66](#)

NYS Senate: [District 29](#)

US House of Representatives: [District 8](#)

US Senate: [New York](#)

# 29 Renwick St



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**Location Report**

---

**Property Information (1)**

23 RENWICK STREET, MANHATTAN 10013

**Vacant Land****Owner:** PHH OWNER LLC**Block:** 594 **Lot:** 44**Property Characteristics:****Lot Area:** 4,523 sq ft (56.42' x 60.25')**# of Buildings:** 0 **Year built:** 0**# of floors:** 0 **Building Area:** 0 sq ft**Total Units:** 0 **Residential Units:** 0**Primary zoning:** C6-2A **Commercial Overlay:** None**Floor Area Ratio:** 0 **Max. FAR:** 6.02FAR may depend on street widths or other characteristics. Contact [City Planning Dept.](#) for latest information.**MORE INFO:**

- **Zoning Map#:** [12a](#) ([how to read](#) NYC zoning maps)
- **Historical Zoning Maps:** [12a](#)
- [NYC Dept. of Buildings](#)
- [Property transaction records](#)
- [NYC Dept. of Finance Assessment Roll](#)
- [NYC Digital Tax Map](#)
- [NYC zoning guide](#)
- [NYC Watershed Resources](#)

**OASIS shortcut to this property:**<http://oasisnyc.net/printmap.aspx?zoomto=lot:1005940044>

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NYC Department of City Planning Census Factfinder

Find all census tracts within  mile(s) **YAHOO!** Local search results for this address:*Know of something that's missing? [Add it to YAHOO!](#)*

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**Mannahatta (1)**

---

**Community District (1)****Manhattan 2 Community District Information****Chairperson:** Ms. Jo Hamilton**District Manager:** Mr. Bob Gormley**Address:** 3 Washington Square Village, #1A, New York, NY, 10012**Phone:** 212-979-2272 **Email:** [cb2manhattan@nyc.rr.com](mailto:cb2manhattan@nyc.rr.com)**Website:****Meeting Information:**[Go to District Profile](#) by NYC Dept. of City Planning

---

**Political Districts (5)**NYC Council: [District 3](#)NYS Assembly: [District 66](#)NYS Senate: [District 29](#)US House of Representatives: [District 8](#)US Senate: [New York](#)

ADJACENT 4-STORY  
RESIDENTIAL

ADJACENT 14-STORY  
RESIDENTIAL/ COMMERCIAL

**23-29 RENWICK ST  
LOT 44**

ADJACENT 6-STORY  
RESIDENTIAL/ COMMERCIAL

**15 RENWICK ST  
LOT 47**

ADJACENT 6-STORY  
COMMERCIAL

SIDEWALK

SIDEWALK

RENWICK STREET

ADJACENT 12-STORY  
RESIDENTIAL



LEGEND:



IMPACTED SOIL/FILL IN SHALLOW SOIL



IMPACTED SOIL/FILL IN DEEP SOIL



AREA OF FORMER 550 GAL GASOLINE UST



AREA OF FORMER 1,000 GAL UNKNOWN PETROLEUM UST



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www.hydrotechenvironmental.com

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

15 - 29 Renwick Street  
New York, NY.  
HTE Job# 120130

Drawn By: C.Q.  
Reviewed By: M.R.  
Approved By: M.S.  
Date: 07/12/12  
Scale: AS NOTED

TITLE:

FIGURE 5: AREA OF CONCERN IDENTIFIED IN HISTORICAL INVESTIGATIONS

ADJACENT 4-STORY  
RESIDENTIAL

ADJACENT 14-STORY  
RESIDENTIAL/ COMMERCIAL

**23-29 RENWICK ST  
LOT 44**

ADJACENT 6-STORY  
RESIDENTIAL/ COMMERCIAL

**15 RENWICK ST  
LOT 47**

ADJACENT 6-STORY  
COMMERCIAL

SIDEWALK

SIDEWALK

RENWICK STREET

ADJACENT 12-STORY  
RESIDENTIAL



LEGEND:

- SOIL PROBE (SP) - INSTALLED DURING AUGUST 2005
- GROUNDWATER PROBE (GW) - INSTALLED DURING AUGUST 2005
- SOIL PROBE (SP) - INSTALLED DURING AUGUST 2006
- GROUNDWATER PROBE (GP) - INSTALLED DURING AUGUST 2006
- SOIL PROBE (SP) - INSTALLED DURING AUGUST 2007
- GROUNDWATER PROBE (GW) - INSTALLED DURING AUGUST 2007
- SOIL PROBE (SP) - INSTALLED DURING JULY 2012
- SOIL VAPOR SAMPLING POINT (SV) - INSTALLED DURING JULY 2012
- END POINT SAMPLES (SP) - COLLECTED DURING NOVEMBER 2007
- END POINT SAMPLES (SP) - COLLECTED DURING SEPTEMBER 2005
- GROUNDWATER SAMPLE (GW) - COLLECTED DURING OCTOBER 2005
- LOCATION OF REMOVED 550 GAL GASOLINE UST
- LOCATION OF REMOVED 1,000 GAL UNKNOWN PETROLEUM UST



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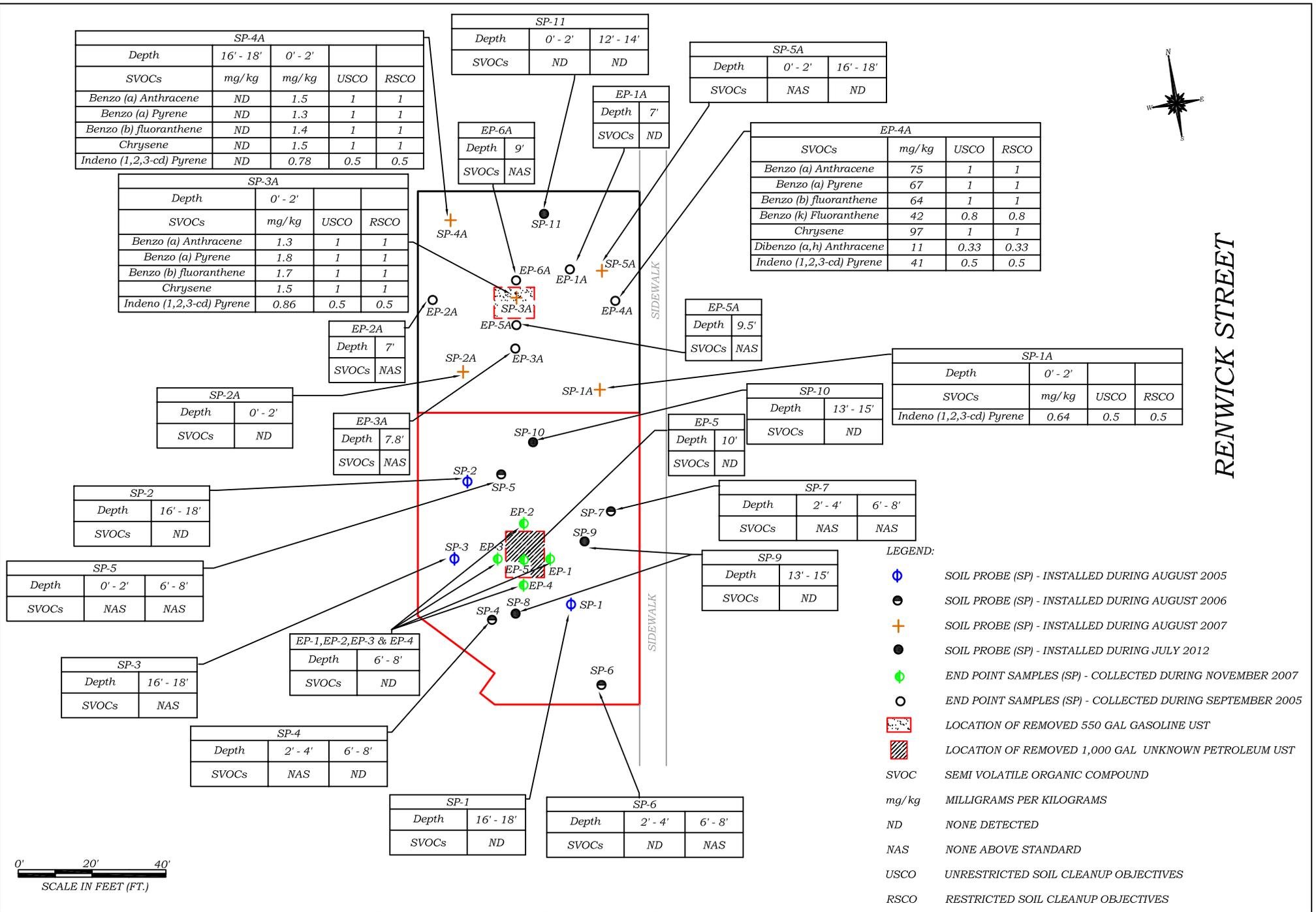
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Approved By: M.S.  
Date: 07/06/12  
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FIGURE 6: SAMPLING PLAN



RENWICK STREET



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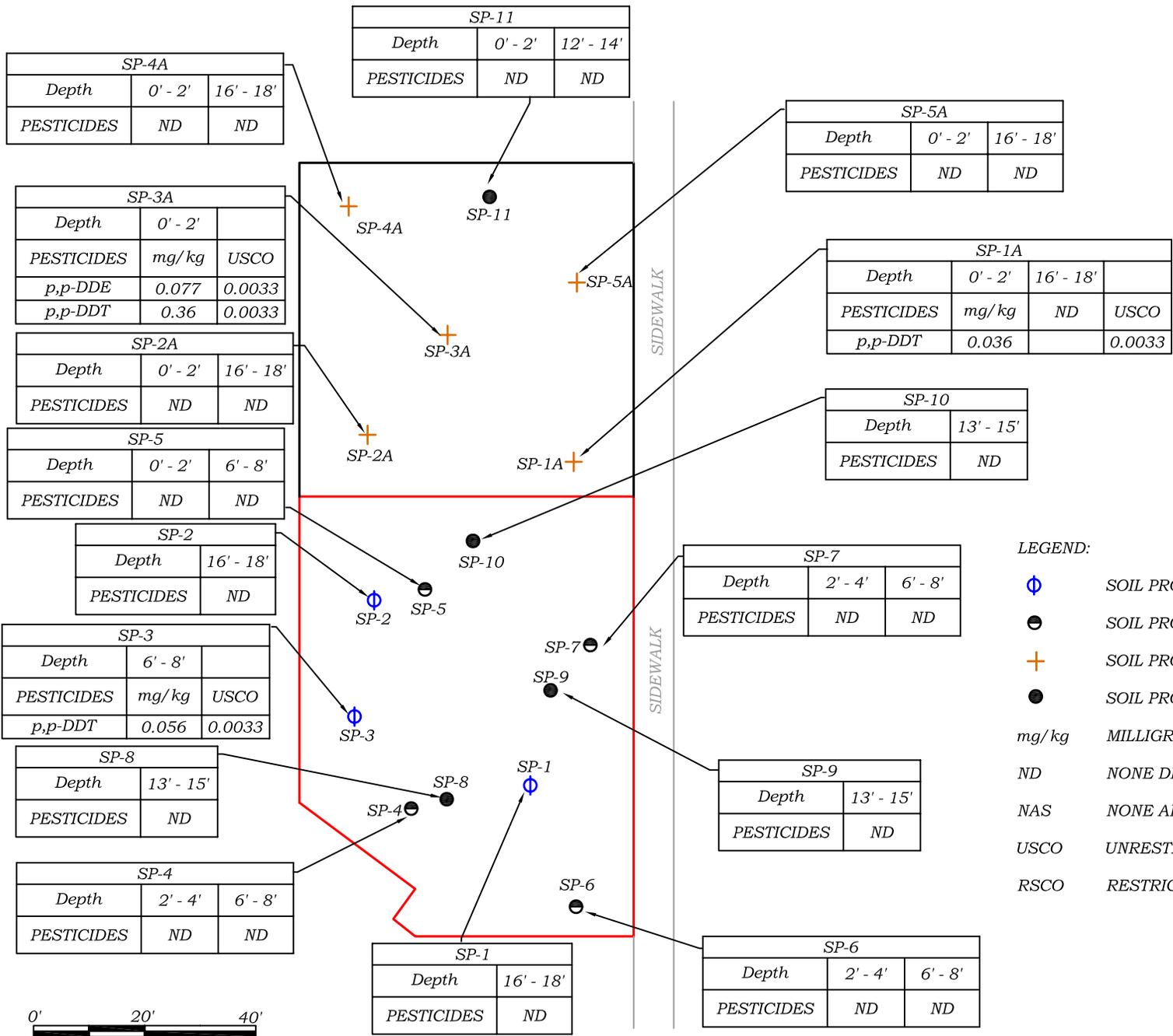
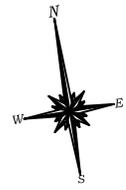
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TITLE:

FIGURE 7: SVOCs IN SOIL IN EXCEEDENCE OF SCOs



- LEGEND:**
- ⊕ SOIL PROBE (SP) - INSTALLED DURING AUGUST 2005
  - SOIL PROBE (SP) - INSTALLED DURING AUGUST 2006
  - + SOIL PROBE (SP) - INSTALLED DURING AUGUST 2007
  - SOIL PROBE (SP) - INSTALLED DURING JULY 2012
  - mg/kg MILLIGRAMS PER KILOGRAMS
  - ND NONE DETECTED
  - NAS NONE ABOVE STANDARD
  - USCO UNRESTRICTED SOIL CLEANUP OBJECTIVES
  - RSCO RESTRICTED SOIL CLEANUP OBJECTIVES

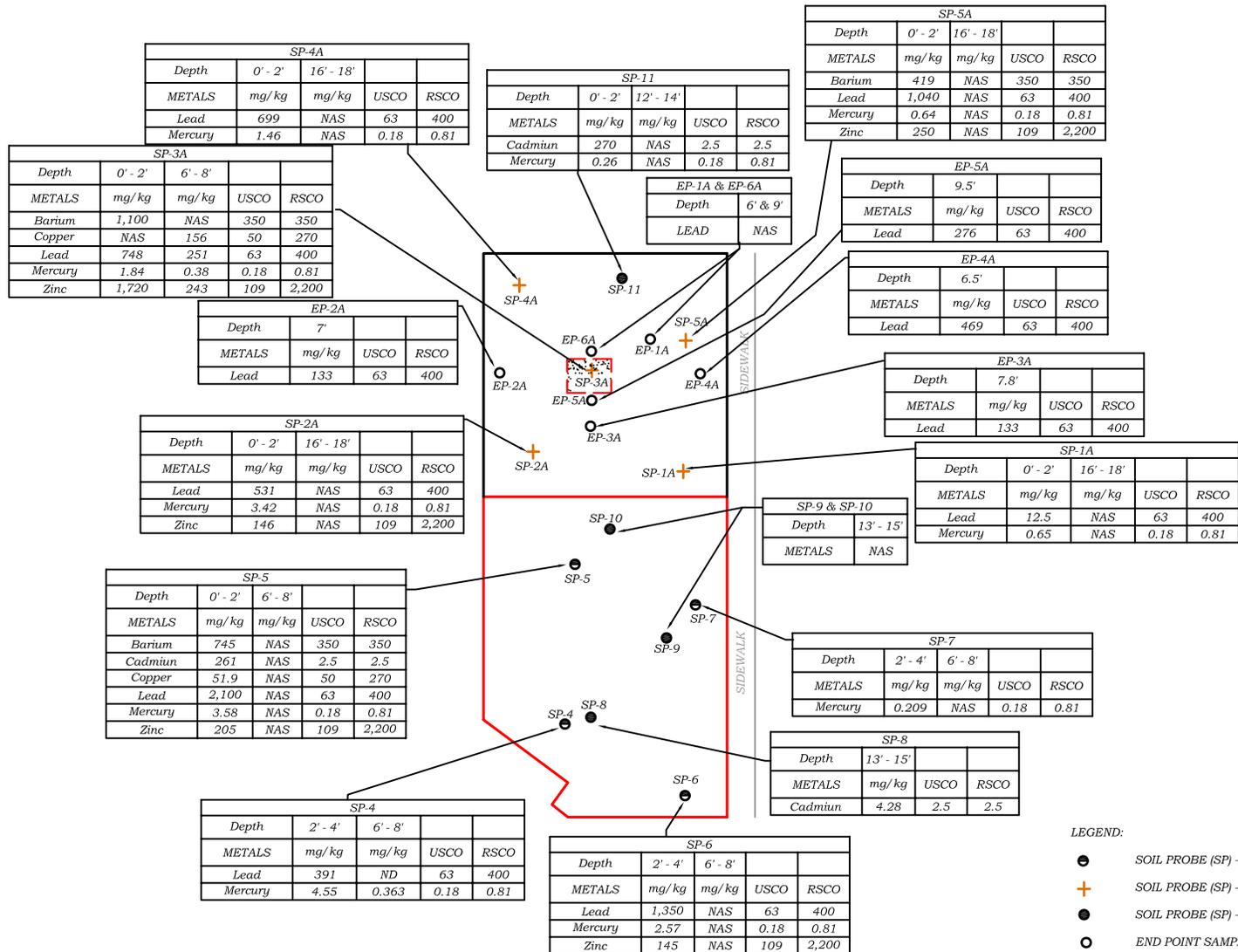



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 Reviewed By: M.R.  
 Approved By: M.S.  
 Date: 07/06/12  
 Scale: AS NOTED

TITLE:  
 FIGURE 8: PESTICIDES IN SOIL IN EXCEEDENCE OF SCO



RENWICK STREET

- LEGEND:**
- SOIL PROBE (SP) - INSTALLED DURING AUGUST 2006
  - ⊕ SOIL PROBE (SP) - INSTALLED DURING AUGUST 2007
  - SOIL PROBE (SP) - INSTALLED DURING JULY 2012
  - END POINT SAMPLES (EP) - COLLECTED DURING SEPTEMBER 2005
  - X LOCATION OF REMOVED 550 GAL GASOLINE UST
  - mg/kg MILLIGRAMS PER KILOGRAMS
  - ND NONE DETECTED
  - NAS NONE ABOVE STANDARD
  - USCO UNRESTRICTED SOIL CLEANUP OBJECTIVES
  - RSCO RESTRICTED SOIL CLEANUP OBJECTIVES



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TITLE:

FIGURE 9: METALS IN SOIL IN EXCEEDENCE OF SCOS

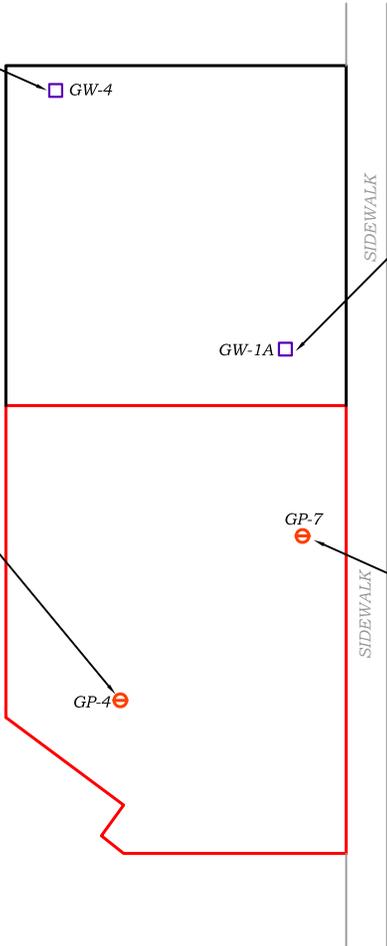


GW-4			
METALS	Groundwater Metals (µg/L)	Filtered Metals (µg/L)	GQS
Antimony	NAS	8	3
Beryllium	5	NAS	3
Chromium	134	NAS	50
Iron	84,000	522	300
Magnesium	84,300	62,300	35,000
Manganese	8,650	6,810	300
Mercury	2	NAS	0.7
Nickel	174	NAS	100
Sodium	164,000	156,000	20,000

GW-1A			
METALS	Groundwater Metals (µg/L)	Filtered Metals (µg/L)	GQS
Antimony	5	6	3
Beryllium	5	NAS	3
Chromium	67	NAS	50
Iron	37,900	NAS	300
Lead	43	NAS	25
Magnesium	34,600	27,000	35,000
Manganese	2,250	1,190	300
Mercury	1	NAS	0.7
Sodium	212,000	190,000	20,000

GP-4			
METALS	Groundwater Metals (µg/L)	Filtered Metals (µg/L)	GQS
Antimony	31	NAS	3
Barium	290,000	NAS	1,000
Beryllium	15	NAS	3
Cadmium	29	NAS	5
Chromium	595	NAS	50
Copper	274	NAS	200
Iron	250,000	NAS	300
Lead	136	NAS	25
Magnesium	66,500	NAS	35,000
Manganese	6,480	1,740	300
Nickel	584	NAS	100
Sodium	52,600	42,000	20,000

GP-7			
METALS	Groundwater Metals (µg/L)	Filtered Metals (µg/L)	GQS
Antimony	16	NAS	3
Chromium	300	NAS	50
Iron	54,500	NAS	300
Lead	60	NAS	25
Manganese	1,570	731	300
Nickel	263	NAS	100
Sodium	50,800	26,200	20,000



LEGEND:

- GROUNDWATER PROBE (GP) - INSTALLED DURING AUGUST 2006
- GROUNDWATER PROBE (GW) - INSTALLED DURING AUGUST 2007
- µg/L MICROGRAMS PER LITER
- GQS GROUNDWATER QUALITY STANDARDS
- NAS NONE ABOVE STANDARD



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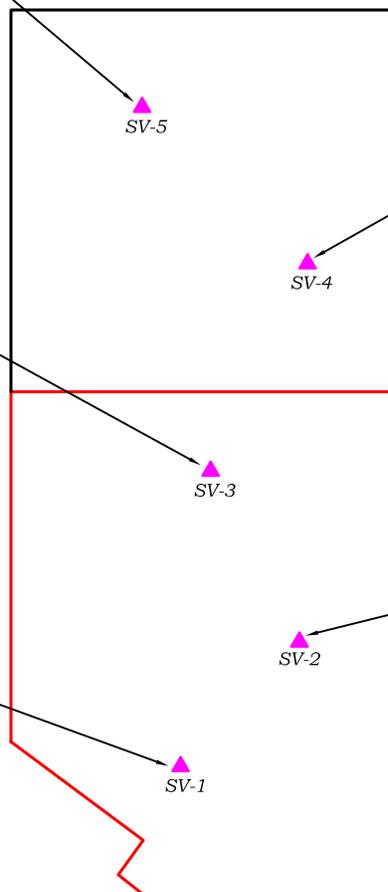
FIGURE 10: METALS IN GROUNDWATER IN EXCEEDENCE OF GQS



SV-5	
VOCs	$\mu\text{g}/\text{m}^3$
Acetone	2,100
2-Butanone	1,100
2-Hexanone	290
Isopropanol	120
Toluene	26
p- & m- Xylenes	32
Methylene chloride	10
n-Heptane	16
o-Xylene	17

SV-3	
VOCs	$\mu\text{g}/\text{m}^3$
Acetone	2,300
2-Butanone	960
2-Hexanone	210
Isopropanol	110
Toluene	34
p- & m- Xylenes	19
n-Hexane	15
Methylene chloride	20

SV-1	
VOCs	$\mu\text{g}/\text{m}^3$
Acetone	2,600
2-Butanone	970
2-Hexanone	260
Isopropanol	120
Toluene	40
p- & m- Xylenes	41
n-Hexane	35
Methylene chloride	26
n-Heptane	16
o-Xylene	21
p-Ethyltoluene	2.1



SV-4	
VOCs	$\mu\text{g}/\text{m}^3$
Acetone	3,700
2-Butanone	1,200
2-Hexanone	290
Isopropanol	180
Toluene	80
p- & m- Xylenes	52
n-Hexane	37
Methylene chloride	19
n-Heptane	29
o-Xylene	25
Carbon disulfide	26
Chloromethane	17
Ethyl Benzene	25

SV-2	
VOCs	$\mu\text{g}/\text{m}^3$
Acetone	1,000
2-Butanone	800
2-Hexanone	200
Isopropanol	48
Toluene	27
n-Hexane	10
Methylene chloride	10
n-Heptane	14
Carbon disulfide	17

LEGEND:

- SOIL VAPOR SAMPLING POINT (SV) - INSTALLED DURING JULY 2012
- VOC VOLATILE ORGANIC COMPOUNDS
- $\mu\text{g}/\text{m}^3$  MICROGRAMS PER CUBIT METER



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 Scale: AS NOTED

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FIGURE 11: GASOLINE COMPOUNDS AND OTHER VOCs OF CONCERN IN SOIL VAPOR SAMPLES

# TABLES

**Table 1**  
**Shallow Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	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'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Sample Date	8/24/2007	8/24/2007	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/10/2006	7/3/2012		
Sample Matrix	Soil	Metals										
Units	mg/kg	mg/kg	mg/kg	mg/kg								
Volatile Organic Compounds (mg/kg)												
1,1,1,2-Tetrachloroethane	ND	ND	NS	NS								
1,1,1-Trichloroethane	ND	ND	0.68	100								
1,1,2,2-Tetrachloroethane	ND	ND	NS	NS								
1,1,2,2-Tetrachloroethylene	ND	NA	NS	NS								
1,1,2-Trichloroethane	ND	ND	NS	NS								
1,1-Dichloroethane	ND	ND	0.27	19								
1,1-Dichloroethene	ND	ND	0.33	100								
1,1-Dichloropropene	ND	NA	NS	NS								
1,2,3,4-Tetrachlorobenzene	ND	NA	NS	NS								
1,2,3-Trichlorobenzene	ND	NA	NS	NS								
1,2,3-Trichloropropane	ND	NA	NS	NS								
1,2,4-Trichlorobenzene	ND	ND	NS	NS								
1,2,4-Trimethylbenzene	ND	ND	3.6	47								
1,2-Dibromo-3-chloropropane	ND	NA	NS	NS								
1,2-Dibromoethane	ND	NA	NS	NS								
1,2-Dichlorobenzene	ND	ND	1.1	100								
1,2-Dichloroethane	ND	ND	0.02	2.3								
1,2-Dichloropropane	ND	ND	NS	NS								
1,3,5-Trimethylbenzene	ND	ND	8.4	47								
1,3-Dichlorobenzene	ND	ND	2.4	17								
1,3-Dichloropropane	ND	NA	NS	NS								
1,4-Dichlorobenzene	ND	ND	1.8	9.8								
1,4-Dioxane	ND	ND	0.1	9.8								
113 Freon	ND	NA	NS	NS								
2,2-Dichloropropane	ND	NA	NS	NS								
2,4-Dichloro aniline	ND	NA	NS	NS								
2,6-Dinitrotoluene	ND	NA	NS	NS								
2-Chlorotoluene	ND	NA	NS	NS								
3,4-Dichloroaniline	ND	NA	NS	NS								
4-Chlorotoluene	ND	NA	NS	NS								
4-Isopropyltoluene	ND	NA	NS	NS								
4-mythyl-2-pentanone	ND	NA	NS	NS								
Acetone	ND	ND	0.05	100								
Benzene	ND	ND	0.06	2.9								
Bromobenzene	ND	NA	NS	NS								
Bromochloromethane	ND	ND	NS	NS								
Bromodichloromethane	ND	NA	NS	NS								
Bromoform	ND	ND	NS	NS								
Bromomethane	ND	ND	NS	NS								
Carbon Disulfide	ND	NA	NS	NS								
Carbon tetrachloride	ND	ND	0.76	1.4								

**Table 1 (Cont.)**  
**Shallow Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	Urestricted SCO	Residential SCO
Sample Depth	0'-2'	0'-2'	0'-2'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Volatile Organic Compounds (mg/kg)												
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	100
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.37	10
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.25	59
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Ethylacetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	30
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	0.33
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
m + p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	100
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	100
Xylene (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.26	100
Methanol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Methyl ethyl ketone (2-Butanone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	100
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05	51
Methyl-Tert-Butyl-Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.93	62
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	NS
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9	100
Pentachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Pentachloronitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	100
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	100
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	5.5
Toluene	ND	ND	ND	<b>0.00131</b>	ND	0.00	ND	ND	ND	ND	0.7	100
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	100
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Trichloroethene (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.47	10
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	0.21
Semi-Volatile Organic Compounds (mg/kg)												
1,2,3,6,7,8-HCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2,3,4,5-Tetrachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2,3,5,6-Tetrachloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS

**Table 1 (Cont.)**  
**Shallow Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	Urestricted SCO	Residential SCO
Sample Depth	0'-2'	0'-2'	0'-2'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Semi-Volatile Organic Compounds (mg/kg)												
2,4,5-Trichloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
3,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
3-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
4-Bromophenyl Phenyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
4-Chlorophenyl Phenyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	100
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100
Aniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Anthracene	ND	ND	ND	ND	<b>0.62</b>	ND	ND	ND	ND	ND	100	100
Benzo (a) Anthracene	<b>0.56</b>	ND	<b>1.3</b>	<b>0.0757</b>	<b>1.5</b>	<b>0.41</b>	<b>0.39</b>	ND	<b>0.1</b>	ND	1	1
Benzo (a) Pyrene	<b>0.64</b>	ND	<b>1.3</b>	ND	<b>1.3</b>	<b>0.429</b>	ND	ND	<b>0.0866</b>	ND	1	1
Benzo (b) Fluoranthene	<b>0.73</b>	ND	<b>1.7</b>	ND	<b>1.4</b>	<b>0.444</b>	<b>0.41</b>	ND	ND	ND	1	1
Benzo (g,h,l) Perylene	<b>0.61</b>	ND	<b>0.92</b>	ND	<b>0.79</b>	<b>0.246</b>	ND	ND	ND	ND	100	100
Benzo (k) Fluoranthene	ND	ND	<b>0.75</b>	ND	<b>0.75</b>	<b>0.365</b>	ND	ND	ND	ND	0.8	1
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Benzyl Butyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
bis (2-Chloroethoxy) Methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
bis (2-Chloroethyl) Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
bis (2-Chloroisopropyl) Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
bis (2-Ethyl Hexyl) Phthalate	<b>0.55</b>	ND	<b>0.4</b>	ND	ND	ND	<b>0.37</b>	ND	<b>0.165</b>	ND	NS	NS
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Chrysene	<b>0.55</b>	ND	<b>1.5</b>	ND	<b>1.5</b>	<b>0.404</b>	ND	ND	ND	ND	1	1
Dibenzo (a,h) Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	0.33
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Diethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Dimethyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Di-n-Butyl Phthalate	ND	ND	ND	ND	ND	<b>0.16</b>	ND	ND	ND	ND	NS	NS
Di-n-hexyl-phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS

**Table 1 (Cont.)**  
**Shallow Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	Urestricted SCO	Residential SCO
Sample Depth	0'-2'	0'-2'	0'-2'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Semi-Volatile Organic Compounds (mg/kg)												
D-n-n-octyl Phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Fluoranthene	<b>1.1</b>	ND	<b>2.4</b>	<b>0.138</b>	<b>2.8</b>	<b>0.667</b>	<b>0.79</b>	ND	<b>0.202</b>	ND	100	100
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	100
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Hexachlorobudadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Indeno (1,2,3-cd) Pyrene	<b>0.64</b>	ND	<b>0.86</b>	ND	<b>0.78</b>	<b>0.233</b>	ND	ND	ND	ND	0.5	0.5
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
m-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.33	100
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	100
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
o-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.33	100
p-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.33	34
Pentachloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8	2.4
Phenanthrene	<b>0.74</b>	ND	<b>1.41</b>	<b>0.118</b>	<b>3</b>	<b>0.296</b>	<b>0.65</b>	ND	ND	ND	100	100
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33	100
Pyrene	<b>1</b>	ND	<b>2.3</b>	ND	<b>2.6</b>	<b>0.598</b>	<b>0.63</b>	ND	<b>0.18</b>	ND	100	100
Total VOCs	<b>7.12</b>	ND	<b>14.83</b>	<b>0.3317</b>	<b>17.04</b>	<b>4.252</b>	<b>3.24</b>	ND	<b>0.7336</b>	ND	NS	NS
Pesticides												
2,3,7,8-TCDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2,3,7,8-TCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
2,4,5-TP Acid (Silvex)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	3.8	5.8
2,4-D(2,4-Dichloro-Phenoxyacetic acid)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
a BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02	0.097
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.019
b BHC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.036	0.072
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Chlordane (alpha)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.094	0.91
Chlordecone (Kepone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
d BHC g	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04	100
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	7	14
Diieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.039
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	4.8
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	4.8
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4	4.8
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014	2.2
Endrin Aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Furan	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Gama Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.042	0.42
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Indane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.1	0.28

**Table 1 (Cont.)  
Shallow Soil Samples Organic Analytical Results  
15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	Unrestricted SCO	Residential SCO
Sample Depth	0'-2'	0'-2'	0'-2'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Pesticides												
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
p,p-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033	2.6
p,p-DDE	ND	ND	<b>0.077</b>	ND	0.0033	1.8						
p,p-DDT	<b>0.036</b>	ND	<b>0.36</b>	ND	0.0033	1.7						
Parathion	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NS	NS
Polychlorinated biphenyls	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	0.1	1
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
PCBs												
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS

A...Sampling location at 23-29 Renwick Street

ND...this indicates no detection above reporting limit for this analyte

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

NA...this indicates the analyte was not a target for this sample

Grey shaded values represent concentration exceeding Unrestricted Use SCO

Blue shaded values represent concentration exceeding Residential SCO

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



**Table 1 (Cont.)**  
**Deep Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification				SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	EP-1	EP-2	EP-3	EP-4	EP-5	EP-1A	EP-2A	EP-3A	EP-4A	EP-5A	EP-6A	Unrestricted SCO	Residential SCO
Sample Depth				16'-18'	16'-18'	6'-8'	6'-8'	16'-18'	6'-8'	16'-18'	6'-8'	6'-8'	13'-15'	13'-15'	13'-15'	12'-14'	6'-8'	6'-8'	6'-8'	6'-8'	10'	7'	7'	7.8'	6.5'	9.5'	9'		
<b>Volatile Organic Compounds (mg/kg)</b>																													
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	<b>0.5</b>	NA	NA	NA	<b>0.007</b>	11	100
Styrene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	<b>0.015</b>	NA	NA	NA	<b>0.001</b>	5.9	100
Tetrachloroethene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	1.3	5.5
Toluene	ND	ND	ND	ND	ND	<b>0.011</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.7	100
trans-1,2-Dichloroethene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.19	100
trans-1,3-Dichloropropene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Trichloroethene (Trichloroethene)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.47	10
Trichlorofluoromethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Vinyl chloride	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.02	0.21
Total VOCs	NA	NA	NA	ND	ND	<b>0.116</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>7.1</b>	ND	<b>0.005</b>	<b>0.02</b>	<b>0.164</b>	NS	NS
<b>Semi-Volatile Organic Compounds (mg/kg)</b>																													
1,2,3,6,7,8-HCDF	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
1,2,4-Trichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
1,2-Dichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
1,3-Dichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
1,4-Dichlorobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,3,4,5-Tetrachlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,3,5,6-Tetrachloroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4,5-Trichloroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4,5-Trichlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4,6-Trichlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4-Dichlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4-Dinitrophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,4-Dinitrotoluene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2,6-Dinitrotoluene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2-Chloronaphthalene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2-Chlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2-Methylnaphthalene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2-Nitroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
2-Nitrophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
3,3'-Dichlorobenzidine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
3,4-Dichlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
3-Chlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
3-Nitroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-Bromophenyl Phenyl Eth	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-Chloroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-Chlorophenyl Phenyl Eth	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-methyl-2-pentanone	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-Nitroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
4-Nitrophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.095</b>	ND	<b>0.99</b>	ND	<b>0.13</b>	20	100
Acenaphthylene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.38</b>	ND	<b>0.58</b>	ND	<b>0.047</b>	100	100
Aniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.31</b>	ND	35	ND	0.26	100	100
Benzo (a) Anthracene	ND	ND	ND	ND	ND	<b>0.65</b>	ND	ND	ND	ND	ND	<b>0.35</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.61</b>	ND	75	<b>0.11</b>	<b>0.4</b>	1	1
Benzo (a) Pyrene	ND	ND	ND	ND	ND	<b>0.66</b>	ND	ND	ND	ND	ND	<b>0.267</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.5</b>	ND	67	<b>0.13</b>	<b>0.38</b>	1	1
Benzo (b) Fluoranthene	ND	ND	ND	ND	ND	<b>0.76</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.57</b>	ND	64	<b>0.093</b>	<b>0.31</b>	1	1
Benzo (g,h,i) Perylene	ND	ND	ND	ND	ND	<b>0.46</b>	ND	ND	ND	ND	ND	<b>0.158</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.15</b>	ND	19	<b>0.08</b>	<b>0.23</b>	100	100
Benzo (k) Fluoranthene	ND	ND	ND	ND	ND	<b>0.47</b>	ND	ND	ND	ND	ND	<b>0.196</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.53</b>	ND	42	<b>0.14</b>	<b>0.35</b>	0.8	1
Benzoic Acid	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Benzyl Butyl Phthalate	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
bis (2-Chloroethoxy) Metha	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
bis (2-Chloroethyl) Ether	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
bis (2-Chloroisopropyl) Eth	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
bis (2-Ethyl Hexyl) Phthalat	NA	NA	NA	ND	ND	<b>0.45</b>	ND	ND	<b>0.133</b>	ND	<b>0.211</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Carbazole	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Chloroethane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Chrysene	ND	ND	ND	ND	ND	<b>0.59</b>	ND	ND	ND	ND	ND	<b>0.316</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.84</b>	ND	97	<b>0.16</b>	<b>0.53</b>	1	1

**Table 1 (Cont.)**  
**Deep Soil Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification				SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	EP-1	EP-2	EP-3	EP-4	EP-5	EP-1A	EP-2A	EP-3A	EP-4A	EP-5A	EP-6A	Unrestricted SCO	Residential SCO		
Sample Depth				16'-18'	16'-18'	6'-8'	6'-8'	16'-18'	6'-8'	16'-18'	6'-8'	6'-8'	13'-15'	13'-15'	13'-15'	12'-14'	6'-8'	6'-8'	6'-8'	6'-8'	10'	7'	7'	7.8'	6.5'	9.5'	9'				
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.38</b>	ND	<b>0.15</b>	ND	<b>0.39</b>	12	100		
Nitrobenzene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS		
n-Nitrosodi-n-propylamine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS		
N-Nitrosodiphenylamine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS		
o-Cresol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.33	100		
p-Cresol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.33	34		
Pentachloroaniline	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS		
Pentachlorophenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.8	2.4		
Phenanthrene	ND	ND	ND	ND	<b>0.89</b>	ND	ND	ND	ND	ND	ND	<b>0.318</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>1.5</b>	ND	<b>15</b>	<b>0.12</b>	<b>1.2</b>	100	100		
Phenol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	0.33	100		
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>0.625</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>1.3</b>	<b>0.046</b>	<b>16</b>	<b>0.22</b>	<b>1</b>	100	100		
Total VOCs	NA	NA	NA	ND	ND	<b>6.55</b>	ND	ND	<b>9.515</b>	ND	<b>0.211</b>	<b>3.197</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	<b>8.4</b>	<b>0.1</b>	<b>0.099</b>	<b>1.38</b>	<b>1.39</b>	NS	NS			
<b>Pesticides</b>																															
2,3,7,8-TCDD	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	
2,3,7,8-TCDF	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
2,4,5-TP Acid (Silvex)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.8	5.8		
2,4-D(2,4-Dichloro-Phenoxy)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
a BHC	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.02	0.097		
Aldrin	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	0.019		
b BHC	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.036	0.072		
Biphenyl	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Chlordane (alpha)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.094	0.91		
Chlordecone (Kepone)	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
d BHC g	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.04	100		
Dibenzofuran	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7	14		
Dieldrin	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005	0.039		
Endosulfan I	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	4.8		
Endosulfan II	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	4.8		
Endosulfan Sulfate	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4	4.8		
Endrin	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.014	2.2		
Endrin Aldehyde	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Furan	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Gama Chlordane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Heptachlor	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.042	0.42		
Heptachlor Epoxide	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Lindane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	0.28		
Methoxychlor	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
p,p-DDD	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0033	2.6		
p,p-DDE	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0033	1.8		
p,p-DDT	NA	NA	NA	ND	ND	<b>0.056</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0033	1.7		
Parathion	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Polychlorinated biphenyls	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1	1		
Toxaphene	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
<b>PCBs</b>																															
Aroclor 1016	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1221	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1232	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1242	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1248	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1254	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		
Aroclor 1260	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS		

A...Sampling location at 23-29 Renwick Street  
ND...this indicates no detection above reporting limit for this analyte  
NS...this indicates that no regulatory limit has been established for this analyte  
NA...this indicates the analyte was not a target for this sample  
Grey shaded values represent concentration exceeding Unrestricted Use SCO  
This Table Lists Only Compounds Detected At Concentrations Exceeding Their Respective Method Detection Limit.

**Table 1 (Cont.)  
Shallow Soil Samples Inorganic Analytical Results  
15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-11	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'	2'-4'	0'-2'	0'-2'	0'-2'	2'-4'	2'-4'	0'-2'		
Sample Date	8/24/2007	8/24/2007	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/10/2006	7/3/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	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
Aluminum	<b>6,790</b>	<b>6,180</b>	<b>5,330</b>	<b>5,650</b>	<b>5,590</b>	<b>4790</b>	<b>5,660</b>	<b>5,030</b>	<b>3,740</b>	<b>6,600</b>	NS	NS
Antimony	ND	ND	ND	<b>1.20</b>	ND	<b>1.79</b>	ND	<b>1.05</b>	ND	ND	NS	NS
Arsenic	<b>2.2</b>	<b>3.9</b>	ND	<b>3.69</b>	<b>2.76</b>	<b>4.53</b>	<b>7.60</b>	<b>0.585</b>	ND	ND	13	16
Barium	<b>96.6</b>	<b>84.3</b>	<b>1,100</b>	<b>12</b>	<b>64.6</b>	<b>745</b>	<b>419</b>	<b>276</b>	<b>41.3</b>	<b>80.7</b>	350	350
Beryllium	ND	ND	ND	<b>0.429</b>	ND	<b>0.483</b>	ND	<b>0.477</b>	<b>0.382</b>	<b>0.445</b>	7.2	14
Cadmium	ND	ND	<b>0.891</b>	<b>2.20</b>	ND	<b>2.61</b>	ND	<b>2.30</b>	<b>1.45</b>	<b>1.7</b>	2.5	2.5
Calcium	<b>53,200</b>	<b>34.40</b>	<b>66,800</b>	<b>11700</b>	<b>4,940</b>	<b>19500</b>	<b>34,700</b>	<b>30,200</b>	<b>4,190</b>	<b>270</b>	NS	NS
Chromium Total	<b>9.73</b>	<b>12.3</b>	<b>8.74</b>	<b>18</b>	<b>13</b>	<b>16.5</b>	<b>12.8</b>	<b>16.3</b>	<b>10.5</b>	<b>24.2</b>	30*	36*
Chromium Hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	1	22
Chromium Trivalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>21.5</b>	30	36
Cobalt	<b>3.78</b>	<b>3.56</b>	<b>3.46</b>	<b>6.69</b>	<b>4.31</b>	<b>8.46</b>	<b>4.40</b>	<b>7.3</b>	<b>5.50</b>	<b>4.63</b>	NS	NS
Copper	<b>14.1</b>	<b>32.1</b>	<b>11.9</b>	<b>46.8</b>	<b>28.9</b>	<b>51.9</b>	<b>23</b>	<b>28</b>	<b>12.3</b>	<b>14.4</b>	50	270
Iron	<b>10,800</b>	<b>13,100</b>	<b>7,920</b>	<b>18500</b>	<b>20,100</b>	<b>12300</b>	<b>12,200</b>	<b>9,020</b>	<b>5,200</b>	<b>11,700</b>	NS	NS
Lead	<b>125</b>	<b>531</b>	<b>748</b>	<b>391</b>	<b>699</b>	<b>2100</b>	<b>1040</b>	<b>1,350</b>	<b>56.1</b>	<b>64.8</b>	63	400
Magnesium	<b>6,080</b>	<b>19.30</b>	<b>4,350</b>	<b>3410</b>	<b>2,040</b>	<b>2510</b>	<b>4,730</b>	<b>4,630</b>	<b>1750</b>	<b>6,870</b>	NS	NS
Manganese	<b>222</b>	<b>227</b>	<b>142</b>	<b>151</b>	<b>347</b>	<b>224</b>	<b>227</b>	<b>276</b>	<b>113</b>	<b>248</b>	1,600	2,000
Mercury	<b>0.65</b>	<b>3.42</b>	<b>1.84</b>	<b>4.55</b>	<b>1.46</b>	<b>3.58</b>	<b>0.64</b>	<b>2.57</b>	<b>0.209</b>	<b>0.26</b>	0.18	0.81
Nickel	<b>9.19</b>	<b>11.8</b>	<b>5.39</b>	<b>14.2</b>	<b>13.7</b>	<b>18.8</b>	<b>13</b>	<b>18.6</b>	<b>16</b>	<b>16.6</b>	30	140
Potassium	<b>1,400</b>	<b>1,180</b>	<b>1,220</b>	<b>473</b>	<b>1,270</b>	<b>377</b>	<b>1,420</b>	<b>409</b>	<b>323</b>	<b>765</b>	NS	NS
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	3.9	36
Silver	ND	<b>0.543</b>	ND	ND	ND	ND	ND	ND	ND	ND	2	36
Sodium	<b>662</b>	<b>310</b>	<b>580</b>	<b>244</b>	<b>266</b>	<b>265</b>	<b>450</b>	<b>113</b>	<b>1,340</b>	<b>214</b>	NS	NS
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NS	NS
Vanadium	<b>14.6</b>	<b>13.8</b>	<b>12.7</b>	<b>18.6</b>	<b>15.6</b>	<b>16.3</b>	<b>16.9</b>	<b>17</b>	<b>14.1</b>	<b>17.4</b>	NS	NS
Zinc	<b>81.8</b>	<b>146</b>	<b>1,720</b>	<b>50.4</b>	<b>88.8</b>	<b>205</b>	<b>250</b>	<b>145</b>	<b>30.7</b>	<b>57.9</b>	109	2,200

A...Sampling location at 23-29 Renwick Street

ND...this indicates no detection above reporting limit for this analyte

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

\*...Standard for Chromium Trivalent

NA...this indicates the analyte was not a target for this sample

Grey shaded values represent concentration exceeding Unrestricted Unse SCO

Blue shaded values represent concentration exceeding Residential SCO

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

**Table 1 (Cont.)  
Deep Soil Samples Inorganic Analytical Results  
15-29 Renwick Street, Manhattan, NY**

Sample Identification	SP-1A	SP-2A	SP-3A	SP-4	SP-4A	SP-5	SP-5A	SP-6	SP-7	SP-8	SP-9	SP-10	SP-11	EP-1A	EP-2A	EP-3A	EP-4A	EP-5A	EP-6A	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	16'-18'	16'-18'	6'-8'	6'-8'	16'-18'	6'-8'	16'-18'	6'-8'	6'-8'	13'-15'	13'-15'	13'-15'	12'-14'	7'	7'	7.8'	6.5'	9.5'	9'		
Sample Date	8/24/2007	8/24/2007	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/24/2007	8/10/2006	8/10/2006	7/3/2012	7/3/2012	7/3/2012	7/3/2012	9/22/2005	9/22/2005	9/22/2005	9/22/2005	9/22/2005	9/22/2005		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	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	mg/kg	mg/kg	mg/Kg	mg/Kg
Aluminum	<b>13,000</b>	<b>1,900</b>	<b>6,400</b>	<b>5820</b>	<b>1,920</b>	<b>3430</b>	<b>7,000</b>	<b>3,220</b>	<b>4,260</b>	<b>27,500</b>	<b>8,960</b>	<b>8,960</b>	<b>9,000</b>	NA	NA	NA	NA	NA	NA	NS	NS
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	<b>1.09</b>	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Arsenic	ND	ND	<b>1.59</b>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	13	16
Barium	<b>27</b>	<b>58.8</b>	<b>252</b>	<b>30.3</b>	<b>33.8</b>	<b>39.4</b>	<b>21.9</b>	<b>44.6</b>	<b>50.5</b>	<b>100</b>	<b>63.8</b>	<b>16.3</b>	<b>31.6</b>	NA	NA	NA	NA	NA	NA	350	350
Beryllium	ND	ND	ND	<b>0.382</b>	ND	<b>0.375</b>	ND	<b>0.389</b>	<b>0.466</b>	<b>1.60</b>	<b>0.428</b>	<b>0.344</b>	<b>0.441</b>	NA	NA	NA	NA	NA	NA	7.2	14
Cadmium	ND	ND	ND	<b>1.45</b>	ND	<b>1.45</b>	ND	<b>1.47</b>	<b>1.83</b>	<b>4.28</b>	<b>2.16</b>	<b>1.78</b>	<b>1.80</b>	NA	NA	NA	NA	NA	NA	2.5	2.5
Calcium	<b>431</b>	<b>19,700</b>	<b>23,900</b>	<b>12,000</b>	<b>12,300</b>	<b>680</b>	<b>1,680</b>	<b>1,400</b>	<b>3,180</b>	<b>2,100</b>	<b>388</b>	<b>209</b>	<b>261</b>	NA	NA	NA	NA	NA	NA	NS	NS
Chromium Total	<b>15.2</b>	<b>3.29</b>	<b>10.3</b>	<b>11.2</b>	<b>2.99</b>	<b>10.4</b>	<b>9.36</b>	<b>10.5</b>	<b>16.7</b>	<b>23.9</b>	<b>23.0</b>	<b>12.7</b>	<b>13.8</b>	NA	NA	NA	NA	NA	NA	30*	36*
Chromium Hexavalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.750</b>	<b>0.734</b>	ND	ND	NA	NA	NA	NA	NA	NA	1	22
Chromium Trivalent	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>8.02</b>	<b>15.1</b>	<b>10.1</b>	<b>11.7</b>	NA	NA	NA	NA	NA	NA	30	36
Cobalt	<b>4.43</b>	ND	<b>6.47</b>	<b>5.78</b>	ND	<b>5.66</b>	<b>3.07</b>	<b>5.32</b>	<b>6.52</b>	<b>6.23</b>	<b>8.35</b>	<b>6.55</b>	<b>5.44</b>	NA	NA	NA	NA	NA	NA	NS	NS
Copper	<b>8.49</b>	<b>4.07</b>	<b>156</b>	<b>16.1</b>	<b>3.20</b>	<b>10.6</b>	<b>5.71</b>	<b>14.1</b>	<b>13.3</b>	<b>13.8</b>	<b>16.0</b>	<b>10.6</b>	<b>10.6</b>	NA	NA	NA	NA	NA	NA	50	270
Iron	<b>16,700</b>	<b>5,090</b>	<b>17,200</b>	<b>19100</b>	<b>3,000</b>	<b>189</b>	<b>8,600</b>	<b>4,810</b>	<b>8,460</b>	<b>13,600</b>	<b>20,100</b>	<b>11,000</b>	<b>11,900</b>	NA	NA	NA	NA	NA	NA	NS	NS
Lead	<b>3.99</b>	<b>13.1</b>	<b>251</b>	<b>14.1</b>	<b>12.4</b>	<b>5.55</b>	<b>25.4</b>	<b>46.5</b>	<b>41.1</b>	<b>11.7</b>	<b>58.3</b>	<b>5.31</b>	<b>6.76</b>	<b>6.86</b>	<b>133</b>	<b>101</b>	<b>469</b>	<b>276</b>	<b>43</b>	63	400
Magnesium	<b>2,840</b>	<b>6,600</b>	<b>3,360</b>	<b>3510</b>	<b>4,370</b>	<b>1520</b>	<b>2,280</b>	<b>1,410</b>	<b>2,010</b>	<b>6,050</b>	<b>2,690</b>	<b>2,480</b>	<b>2,660</b>	NA	NA	NA	NA	NA	NA	NS	NS
Manganese	<b>89.4</b>	<b>1,020</b>	<b>304</b>	<b>85.5</b>	<b>647</b>	<b>139</b>	<b>101</b>	<b>71.4</b>	<b>115</b>	<b>149</b>	<b>223</b>	<b>89.2</b>	<b>67.3</b>	NA	NA	NA	NA	NA	NA	1,600	2,000
Mercury	ND	ND	<b>0.38</b>	<b>0.363</b>	ND	<b>0.048</b>	ND	<b>0.156</b>	<b>0.062</b>	<b>0.06</b>	<b>0.09</b>	<b>0.02</b>	<b>0.02</b>	NA	NA	NA	NA	NA	NA	0.18	0.81
Nickel	<b>12.3</b>	<b>4.70</b>	<b>10.8</b>	<b>16.6</b>	<b>4</b>	<b>15.4</b>	<b>8.55</b>	<b>15.1</b>	<b>21.2</b>	<b>20.7</b>	<b>19.3</b>	<b>14.9</b>	<b>12.5</b>	NA	NA	NA	NA	NA	NA	30	140
Potassium	<b>1,150</b>	<b>450</b>	<b>1,510</b>	<b>310</b>	<b>464</b>	<b>281</b>	<b>796</b>	<b>332</b>	<b>460</b>	<b>1570</b>	<b>1170</b>	<b>1010</b>	<b>1230</b>	NA	NA	NA	NA	NA	NA	NS	NS
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	3.9	36
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	2	36
Sodium	<b>312</b>	<b>1,620</b>	<b>544</b>	ND	<b>792</b>	<b>29.3</b>	<b>320</b>	<b>52.3</b>	<b>210</b>	<b>1510</b>	<b>186</b>	<b>232</b>	<b>254</b>	NA	NA	NA	NA	NA	NA	NS	NS
Thallium	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NS	NS
Vanadium	<b>17.2</b>	<b>5.45</b>	<b>39.3</b>	<b>11.4</b>	<b>5.44</b>	<b>9.79</b>	<b>10.2</b>	<b>10.8</b>	<b>17.4</b>	<b>22.2</b>	<b>31.3</b>	<b>16.4</b>	<b>21.9</b>	NA	NA	NA	NA	NA	NA	NS	NS
Zinc	<b>28.5</b>	<b>3.06</b>	<b>243</b>	<b>17.2</b>	<b>7.14</b>	<b>16.4</b>	<b>18.5</b>	<b>15.9</b>	<b>27.3</b>	<b>57.3</b>	<b>29.8</b>	<b>28.1</b>	<b>31.1</b>	NA	NA	NA	NA	NA	NA	109	2,200

A...Sampling location at 23-29 Renwick Street

ND...this indicates no detection above reporting limit for this analyte

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

\*...Standard for Chromium Trivalent

NA...this indicates the analyte was not a target for this sample

Grey shaded values represent concentration exceeding Unrestricted Use SCO

Blue shaded values represent concentration exceeding Residential SCO

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

**Table 2**  
**Groundwater Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification	GW-T	GW-T	GW-1	GW-1A	GW-2	GP-4	GP-7	GW-4	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	9/21/2005	10/31/2005	8/31/2005	8/10/2006	8/31/2005	8/31/2005	8/31/2005	8/10/2006	
Sample Matrix	Groundwater								
Units	ug/L								
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	NA	NA	ND	ND	ND	ND	ND	ND	1
1,1-Dichloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	NA	NA	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	NA	NA	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trichlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	5
1,2,4-Trimethylbenzene	<b>55</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-chloropropane	NA	NA	ND	ND	ND	ND	ND	ND	0.04
1,2-Dibromoethane	NA	NA	ND	ND	ND	ND	ND	ND	0.0006
1,2-Dichlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	3
1,2-Dichloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	NA	NA	ND	ND	ND	ND	ND	ND	1
1,3,5-Trimethylbenzene	<b>74</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
1,3-Dichlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	3
1,3-Dichloropropane	NA	NA	ND	ND	ND	ND	ND	ND	5
1,4-Dichlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	3
2,2-Dichloropropane	NA	NA	ND	ND	ND	ND	ND	ND	5
2-Butanone (Methyl Ethyl Ketone)	NA	NA	ND	ND	ND	ND	ND	ND	50
2-Chlorotoluene	NA	NA	ND	ND	ND	ND	ND	ND	5
2-Hexanone	NA	NA	ND	ND	ND	ND	ND	ND	5
2-methyl-2-pentanone	NA	NA	ND	ND	ND	ND	ND	ND	NS
4-Chlorotoluene	NA	NA	ND	ND	ND	ND	ND	ND	5
4-Isopropyltoluene	<b>12</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
Acetone	NA	NA	ND	ND	ND	ND	ND	ND	5
Acrylonitrile	NA	NA	ND	ND	ND	ND	ND	ND	5
Benzene	ND	1							
Benzoic Acid	NA	NA	ND	ND	ND	ND	ND	ND	NS
Benzoic Acid	NA	NA	ND	ND	ND	ND	ND	ND	NS
Bromobenzene	NA	NA	ND	ND	ND	ND	ND	ND	5

**Table 2 (Cont.)**  
**Groundwater Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification		GW-T	GW-1	GW-1A	GW-2	GP-4	GP-7	GW-4	GQS
Volatile Organic Compounds									
Bromochloromethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Bromoform	NA	NA	ND	ND	ND	ND	ND	ND	5
Carbon tetrachloride	NA	NA	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	5
Chloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Chloroform	NA	NA	ND	ND	ND	ND	ND	ND	7
cis-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	NA	NA	ND	ND	ND	ND	ND	ND	0.4
Dibromochloromethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Dibromomethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Dichlorodifluoromethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Ethylbenzene	<b>67</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
Hexachlorobutadiene	NA	NA	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	<b>34</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
m,p-Xylene	<b>61</b>	<b>2</b>	ND	ND	ND	ND	ND	ND	5
Methylene chloride	NA	NA	ND	ND	ND	ND	ND	ND	5
Methyl-t-butyl ether	ND	<b>2</b>	ND	ND	ND	ND	ND	ND	10
Naphthalene	NA	NA	ND	ND	ND	ND	ND	ND	10
n-Butylbenzene	<b>13</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
n-Propylbenzene	<b>36</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
o-Xylene	<b>6</b>	<b>2</b>	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	<b>7</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
Styrene	NA	NA	ND	ND	ND	ND	ND	ND	5
tert-Butylbenzene	<b>2</b>	<b>1</b>	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	NA	NA	ND	ND	ND	ND	ND	ND	5
Tetrahydrofuran	NA	NA	ND	ND	ND	ND	ND	ND	5
Toluene	<b>2</b>	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	5
trans-1,3-Dichloropropene	NA	NA	ND	ND	ND	ND	ND	ND	0.4
trans-1,4-dichloro-2-butanone	NA	NA	ND	ND	ND	ND	ND	ND	NS
Trichloroethene (Trichloroethylene)	NA	NA	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Vinyl chloride	NA	NA	ND	ND	ND	ND	ND	ND	2

**Table 2 (Cont.)**  
**Groundwater Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification		GW-T	GW-1	GW-1A	GW-2	GP-4	GP-7	GW-4	GQS
Semivolatile Organic Compounds									
2,4,5-Trichlorophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
2,4,6-Trichlorophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
2,4-Dichlorophenol	NA	NA	ND	ND	ND	ND	ND	ND	5
2,4-Dimethylphenol	NA	NA	ND	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	NA	NA	ND	ND	ND	ND	ND	ND	10
2,4-Dinitrotoluene	NA	NA	ND	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	NA	NA	ND	ND	ND	ND	ND	ND	5
2-Chloronaphthalene	NA	NA	ND	ND	ND	ND	ND	ND	10
2-Chlorophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
2-Methyl-4,6-dinitrophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
2-Methylnaphthalene	NA	NA	ND	ND	ND	ND	ND	ND	NS
2-Methylphenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
2-Nitroaniline	NA	NA	ND	ND	ND	ND	ND	ND	5
2-Nitrophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
3,3'-Dichlorobenzidene	NA	NA	ND	ND	ND	ND	ND	ND	5
3,4-Methylphenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
3-Nitroaniline	NA	NA	ND	ND	ND	ND	ND	ND	5
4-Bromophenyl phenyl ether	NA	NA	ND	ND	ND	ND	ND	ND	0.04
4-Chloro-3-methylphenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
4-Chloroaniline	NA	NA	ND	ND	ND	ND	ND	ND	5
4-Chlorophenol phenyl ether	NA	NA	ND	ND	ND	ND	ND	ND	NS
4-Nitroaniline	NA	NA	ND	ND	ND	ND	ND	ND	5
4-Nitrophenol	NA	NA	ND	ND	ND	ND	ND	ND	NS
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	NS
Aniline	NA	NA	ND	ND	ND	ND	ND	ND	5
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	50
Benzidine	NA	NA	ND	ND	ND	ND	ND	ND	5
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	NS
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.002
bis(2-Chloroethoxy)methane	NA	NA	ND	ND	ND	ND	ND	ND	NS
bis(2-Chloroethyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	NS
bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	NS
bis(2-Ethylhexyl)phthalate	NA	NA	ND	ND	ND	ND	ND	ND	5
Butyl benzyl phthalate	NA	NA	ND	ND	ND	ND	ND	ND	50

**Table 2 (Cont.)**  
**Groundwater Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification		GW-T	GW-1	GW-1A	GW-2	GP-4	GP-7	GW-4	GQS
Semivolatile Organic Compounds									
Carbazol	NA	NA	ND	ND	ND	ND	ND	ND	NS
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	NS
Dibenzofuran	NA	NA	ND	ND	ND	ND	ND	ND	NS
Diethyl phthalate	NA	NA	ND	ND	ND	ND	ND	ND	50
Dimethyl phthalate	NA	NA	ND	ND	ND	ND	ND	ND	5
Di-n-butylphthalate	NA	NA	ND	ND	ND	ND	ND	ND	50
Di-n-octylphthalate	NA	NA	ND	ND	ND	ND	ND	ND	50
Fluoranthene	ND	ND	<b>1.8</b>	ND	ND	ND	ND	ND	50
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	50
Hexachlorobenzene	NA	NA	ND	ND	ND	ND	ND	ND	0.04
Hexachlorocyclopentadiene	NA	NA	ND	ND	ND	ND	ND	ND	5
Hexachloroethane	NA	NA	ND	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.002
Isophorone	NA	NA	ND	ND	ND	ND	ND	ND	50
Naphthalene	<b>8</b>	ND	ND	ND	ND	ND	ND	ND	10
Nitrobenzene	NA	NA	ND	ND	ND	ND	ND	ND	0.4
N-Nitrosodi-n-propylamine	NA	NA	ND	ND	ND	ND	ND	ND	NS
N-Nitrosodiphenylamine	NA	NA	ND	ND	ND	ND	ND	ND	50
Pentachlorophenol	NA	NA	ND	ND	ND	ND	ND	ND	1
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	50
Phenol	NA	NA	ND	ND	ND	ND	ND	ND	1
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	50
Pesticides									
4,4-DDD	NA	NA	NA	ND	NA	ND	ND	ND	0.3
a BHC	NA	NA	NA	ND	NA	ND	ND	ND	NS
Alachlor	NA	NA	NA	ND	NA	ND	ND	ND	0.5
Aldrin	NA	NA	NA	ND	NA	ND	ND	ND	NS
b BHC	NA	NA	NA	ND	NA	ND	ND	ND	NS
Chlordane	NA	NA	NA	ND	NA	ND	ND	ND	0.05
d BHC	NA	NA	NA	ND	NA	ND	ND	ND	NS
Dieldrin	NA	NA	NA	ND	NA	ND	ND	ND	0.004
Endosulfan I	NA	NA	NA	ND	NA	ND	ND	ND	NS
Endosulfan II	NA	NA	NA	ND	NA	ND	ND	ND	NS
Endosulfan Sulfate	NA	NA	NA	ND	NA	ND	ND	ND	NS
Endrin	NA	NA	NA	ND	NA	ND	ND	ND	NS
Endrin Aldehyde	NA	NA	NA	ND	NA	ND	ND	ND	5

**Table 2 (Cont.)**  
**Groundwater Samples Organic Analytical Results**  
**15-29 Renwick Street, Manhattan, NY**

Sample Identification		GW-T	GW-1	GW-1A	GW-2	GP-4	GP-7	GW-4	GQS
Pesticides									
Heptachlor	NA	NA	NA	ND	NA	ND	ND	ND	0.04
Heptachlor Epoxide	NA	NA	NA	ND	NA	ND	ND	ND	0.03
Lindane	NA	NA	NA	ND	NA	ND	ND	ND	NS
Methoxychlor	NA	NA	NA	ND	NA	ND	ND	ND	35
p,p-DDE	NA	NA	NA	ND	NA	ND	ND	ND	0.2
p,p-DDT	NA	NA	NA	ND	NA	ND	ND	ND	0.2
PCBs									
Aroclor 1016	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1221	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1232	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1242	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1248	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1254	NA	NA	NA	ND	NA	ND	ND	ND	0.09
Aroclor 1260	NA	NA	NA	ND	NA	ND	ND	ND	0.09

*A...Sampling location at 23-29 Renwick Street*

*ND...this indicates no detection above reporting limit for this analyte*

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

*NA...this indicates the analyte was not a target for this sample*

*Shaded values represent concentration exceeding the GQS*

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

**Table 2 (Cont.)  
 Filtered & Non-Filtered Groundwater Samples Inorganic Analytical Results  
 15-29 Renwick Street, Manhattan, NY**

Sample Identification	GW-T	GP-4	GP-4	GP-7	GP-7	GW-1A	GW-1A	GW-4	GW-4	NYSDEC TOGS 1.1.1 Groundwater Quality Standard
Sample Date	10/31/2005	8/10/2006	8/10/2006	8/10/2006	8/10/2006	8/24/2007	8/24/2007	8/24/2007	8/24/2007	
Sample Matrix	Groundwater Metals	Groundwater Metals	Filtered Metals							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Aluminum	NA	<b>235,000</b>	<b>111</b>	<b>3,730</b>	<b>178</b>	<b>20,600</b>	<b>200</b>	<b>76,000</b>	<b>174</b>	NS
Antimony	NA	<b>31</b>	ND	<b>16</b>	ND	<b>5</b>	<b>6</b>	ND	<b>8</b>	3
Barium	NA	<b>290,000</b>	<b>128</b>	<b>522</b>	<b>114</b>	<b>761</b>	<b>168</b>	<b>704</b>	<b>277</b>	1,000
Beryllium	NA	<b>15</b>	ND	<b>2</b>	ND	<b>5</b>	ND	<b>5</b>	ND	3
Cadmium	NA	<b>29</b>	ND	<b>3</b>	ND	ND	ND	<b>1</b>	ND	5
Calcium	NA	<b>79,000</b>	<b>46,900</b>	<b>50,500</b>	<b>44,700</b>	<b>113,000</b>	<b>87,000</b>	<b>140,000</b>	<b>155,000</b>	NS
Chromium	NA	<b>595</b>	ND	<b>300</b>	ND	<b>67</b>	ND	<b>134</b>	ND	50
Cobalt	NA	<b>136</b>	ND	<b>32</b>	ND	<b>15</b>	ND	<b>36</b>	ND	NS
Copper	NA	<b>274</b>	<b>4</b>	<b>58</b>	ND	<b>47</b>	ND	<b>120</b>	ND	200
Iron	NA	<b>250,000</b>	<b>108</b>	<b>54,500</b>	<b>85</b>	<b>37,900</b>	<b>35</b>	<b>84,000</b>	<b>522</b>	300
Lead	<b>31</b>	<b>136</b>	ND	<b>60</b>	ND	<b>43</b>	ND	<b>55</b>	ND	25
Magnesium	NA	<b>66,500</b>	<b>6,050</b>	<b>20,700</b>	<b>7,850</b>	<b>34,600</b>	<b>27,000</b>	<b>84,300</b>	<b>62,300</b>	35,000
Manganese	NA	<b>6,480</b>	<b>1,740</b>	<b>1570</b>	<b>731</b>	<b>2,250</b>	<b>1,190</b>	<b>8,650</b>	<b>6,810</b>	300
Mercury	NA	ND	ND	ND	ND	<b>1</b>	ND	<b>2</b>	ND	0.7
Nickel	NA	<b>584</b>	ND	<b>263</b>	ND	<b>90</b>	4	<b>174</b>	<b>8</b>	100
Potassium	NA	<b>43,200</b>	<b>6,390</b>	<b>11,700</b>	<b>6,600</b>	<b>30,900</b>	<b>25,000</b>	<b>56,600</b>	<b>46,300</b>	NS
Silver	NA	ND	ND	ND	ND	ND	ND	ND	<b>1</b>	50
Sodium	NA	<b>52,600</b>	<b>42,000</b>	<b>50,800</b>	<b>26,200</b>	<b>212,000</b>	<b>190,000</b>	<b>164,000</b>	<b>156,000</b>	20,000
Vanadium	NA	<b>467</b>	ND	<b>119</b>	ND	<b>84</b>	<b>9</b>	<b>143</b>	ND	NS
Zinc	NA	<b>583</b>	ND	<b>122</b>	ND	<b>639</b>	<b>7</b>	<b>607</b>	<b>51</b>	5,000

A...Sampling location at 23-29 Renwick Street

ND...this indicates no detection above reporting limit for this analyte

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

NA...this indicates the analyte was not a target for this sample

Shaded values represent concentration exceeding the GQS

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

**Table 3**  
**Vapor Samples Organic Analytical Results**  
**15-29 Renwick Street, New York, NY**

Sample ID	SV-1		SV-2		SV-3		SV-4		SV-5	
Sampling Date	7/2/2012		7/2/2012		7/2/2012		7/2/2012		7/2/2012	
Matrix	Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor		Soil Vapor	
Units	ug/m <sup>3</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>		ug/m <sup>3</sup>	
Volatile Organics, EPA TO15 Full List										
1,1,1-Trichloroethane	<2.3	U	<2.4	U	<3.0	U	<2.8	U	<2.6	U
1,1,2,2-Tetrachloroethane	<3.9	U	<4.0	U	<5.1	U	<4.7	U	<4.4	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon)	<1.3	U	<1.3	U	<1.7	U	<1.5	U	<1.4	U
1,1,2-Trichloroethane	<3.2	U	<3.3	U	<4.2	U	<3.9	U	<3.6	U
1,1-Dichloroethane	<1.2	U	<1.2	U	<1.5	U	<1.4	U	<1.3	U
1,1-Dichloroethylene	<1.4	U	<1.5	U	<1.8	U	<1.7	U	<1.6	U
1,2,4-Trichlorobenzene	<3.9	U	<4.0	U	<5.0	U	<4.6	U	<4.4	U
1,2,4-Trimethylbenzene	<b>1.4</b>	J	<1.4	U	<b>1.8</b>	J	<1.7	U	<1.6	U
1,2-Dibromoethane	<18	U	<19	U	<24	U	<22	U	<21	U
1,2-Dichlorobenzene	<3.6	U	<3.7	U	<4.6	U	<4.3	U	<4.0	U
1,2-Dichloroethane	<2.3	U	<2.4	U	<3.0	U	<2.8	U	<2.6	U
1,2-Dichloropropane	<2.4	U	<2.5	U	<3.1	U	<2.9	U	<2.7	U
1,2-Dichlorotetrafluoroethane	<2.8	U	<2.9	U	<3.7	U	<3.4	U	<3.2	U
1,3,5-Trimethylbenzene	<1.5	U	<1.6	U	<2.0	U	<1.8	U	<1.7	U
1,3-Butadiene	<1.5	U	<1.6	U	<2.0	U	<1.9	U	<1.7	U
1,3-Dichlorobenzene	<2.6	U	<2.7	U	<3.3	U	<3.1	U	<2.9	U
1,4-Dichlorobenzene	<3.1	U	<3.2	U	<4.1	U	<3.8	U	<3.5	U
1,4-Dioxane	<7.7	U	<8.0	U	<10	U	<9.2	U	<8.7	U
2-Butanone	<b>970</b>	D	<b>800</b>	D	<b>960</b>	D	<b>1200</b>	D	<b>1100</b>	D
2-Hexanone	<b>260</b>	D	<b>200</b>	D	<b>210</b>	D	<b>290</b>	D	<b>290</b>	D
4-Methyl-2-pentanone	<3.5	U	<3.6	U	<4.6	U	<4.2	U	<3.9	U
Acetone	<b>2600</b>	D	<b>1000</b>	D	<b>2300</b>	D	<b>3700</b>	D,E	<b>2100</b>	D
Benzene	<1.1	U	<1.2	U	<1.5	U	<b>120</b>	D	<1.3	U
Benzyl chloride	<1.5	U	<1.5	U	<1.9	U	<1.8	U	<1.7	U
Bromodichloromethane	<3.5	U	<3.7	U	<4.6	U	<4.2	U	<4.0	U
Bromoform	<4.4	U	<4.6	U	<5.7	U	<5.3	U	<5.0	U
Bromomethane	<1.1	U	<1.1	U	<1.4	U	<1.3	U	<1.2	U
Carbon disulfide	<0.89	U	<b>17</b>	D	<1.2	U	<b>26</b>	D	<1.0	U
Carbon tetrachloride	<1.8	U	<1.9	U	<2.3	U	<2.1	U	<2.0	U
Chlorobenzene	<2.0	U	<2.0	U	<2.6	U	<2.4	U	<2.2	U
Chloroethane	<0.75	U	<0.78	U	<0.98	U	<0.90	U	<0.85	U
Chloroform	<1.7	U	<1.8	U	<2.3	U	<2.1	U	<2.0	U
Chloromethane	<1.5	U	<1.5	U	<1.9	U	<b>17</b>	D	<1.7	U
cis-1,2-Dichloroethylene	<1.6	U	<1.7	U	<2.1	U	<1.9	U	<1.8	U
cis-1,3-Dichloropropylene	<2.7	U	<2.8	U	<3.5	U	<3.2	U	<3.0	U
Cyclohexane	<0.98	U	<1.0	U	<1.3	U	<1.2	U	<1.1	U
Dibromochloromethane	<19	U	<20	U	<25	U	<23	U	<21	U
Dichlorodifluoromethane	<2.9	U	<3.0	U	<3.8	U	<3.5	U	<3.3	U
Ethyl acetate	<2.1	U	<2.2	U	<2.8	U	<2.6	U	<2.4	U
Ethyl Benzene	<1.9	U	<1.9	U	<2.4	U	<b>25</b>	D	<2.1	U
Hexachlorobutadiene	<4.6	U	<4.7	U	<5.9	U	<5.5	U	<5.1	U
Isopropanol	<b>120</b>	D	<b>48</b>	D	<b>110</b>	D	<b>180</b>	D	<b>120</b>	D
Methyl Methacrylate	<9.7	U	<10	U	<13	U	<12	U	<11	U
Methyl tert-butyl ether (MTBE)	<1.0	U	<1.1	U	<1.3	U	<1.2	U	<1.2	U
Methylene chloride	<b>26</b>	D	<b>10</b>	D	<b>15</b>	D	<b>19</b>	D	<b>10</b>	D
n-Heptane	<b>16</b>	D	<b>14</b>	D	<b>20</b>	D	<b>29</b>	D	<b>16</b>	D
n-Hexane	<b>35</b>	D	<b>10</b>	D	<b>19</b>	D	<b>37</b>	D	<1.1	U
o-Xylene	<b>21</b>	D	<1.9	U	<2.4	U	<b>25</b>	D	<b>17</b>	D
p- & m- Xylenes	<b>41</b>	D	<3.6	U	<b>34</b>	D	<b>52</b>	D	<b>32</b>	D
p-Ethyltoluene	<b>2.1</b>	J	<2.2	U	<2.7	U	<2.5	U	<2.4	U
Propylene	<1.9	U	<1.9	U	<2.4	U	<2.3	U	<2.1	U
Styrene	<1.8	U	<1.9	U	<2.4	U	<2.2	U	<2.0	U
Tetrachloroethylene	<1.9	U	<2.0	U	<2.5	U	<b>46</b>	D	<2.2	U
Tetrahydrofuran	<1.7	U	<1.8	U	<2.3	U	<2.1	U	<2.0	U
Toluene	<b>40</b>	D	<b>27</b>	D	<b>34</b>	D	<b>80</b>	D	<b>26</b>	D
trans-1,2-Dichloroethylene	<1.1	U	<1.2	U	<1.5	U	<1.4	U	<1.3	U
trans-1,3-Dichloropropylene	<1.9	U	<2.0	U	<2.5	U	<2.3	U	<2.2	U
Trichloroethylene	<1.5	U	<1.6	U	<2.0	U	<b>95</b>	D	<1.7	U
Trichlorofluoromethane (Freon 11)	<0.80	U	<0.83	U	<1.0	U	<0.96	U	<0.90	U
Vinyl acetate	<1.3	U	<b>1.3</b>	J	<1.6	U	<1.5	U	<1.4	U
Vinyl Chloride	<1.5	U	<1.5	U	<1.9	U	<1.7	U	<1.6	U

U=analyte not detected at or above the level indicated

B=analyte found in the analysis batch blank

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

D=result is from an analysis that required a dilution

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

NT=this indicates the analyte was not a target for this sample

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

<sup>1</sup>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

<sup>2</sup>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 All reported values are in microgram per cubic meter (mcg/m<sup>3</sup>)

< Means "less than." The number following a "less than sign" (<) is the lowest level the laboratory test Grey shaded cell represent a concentration exceeding the NYSDEC Background Standards

NA-Not Applicable

**Appendix-A**  
**Previous Environmental and Geotechnical Reports (CD-ROM)**

## **Appendix-B Photographs**



**GPR Survey**



## **Installation of Soil Probes, Groundwater Probes and Soil Vapor Implants**

**Appendix-C**  
**Soil Boring Logs**



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## Soil Probe Log

Job No: 050357

Date: August 31, 2005

Page: 1 of 1

Location: 15 Renwick Street  
Manhattan, NY

Sampling Interval: 2 Feet

Boring No.: SP-1

Sampling Method: Macro Cor:

Drilling Method: Direct Push

Driller: Levi Mata

Total Depth: 12 Feet

Depth to Water: 12 ft

### 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	FILL MATERIAL: Yellowish sand with fill material. No odor.
-2	0.0	SP	FILL MATERIAL: Brown sand with fill material. No odor.
-4	0.0	SP	SAND: Medium to fine sand with gravel. No odor.
-6	0.0	SP	SAND: Medium to fine wet sand with gravel. No odor.
-8	0.0	SP	SAND: SAB.
-10	0.0	SP	SAND: SAB.
-12			



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# Soil Probe Log

Job No: 050057

Date: August 31, 2005

Page: 1 of 1

Location: 15 Renwick Street  
Manhattan, NY

Sampling Interval: 2 Feet

Sampling Method: Macro Core

Boring No.: SP-2

Driller: Levi Mata

Drilling Method: Direct Push

Total Depth: 8 Feet

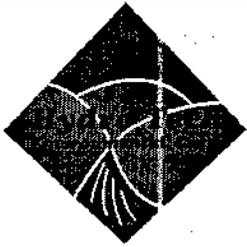
Depth to Water: 10 Feet

### 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	SP	FILL MATERIAL: Fill material with gravel. No odor.
-2	0.0	SP	FILL MATERIAL: Fill Material. No odor.
-4	0.0	SP	SAND: Medium to fine sand. No odor.
-6	0.0	SP	SAND: SAB.
-8			



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## Soil Probe Log

Job No: 050357

Date: August 31, 2005

Page: 1 of 1

Location: 15 Renwick Street  
Manhattan, NY

Sampling Interval: 2 Feet

Sampling Method: Macro Core

Boring No.: SP-3

Driller: Levi Mata

Drilling Method: Direct Push

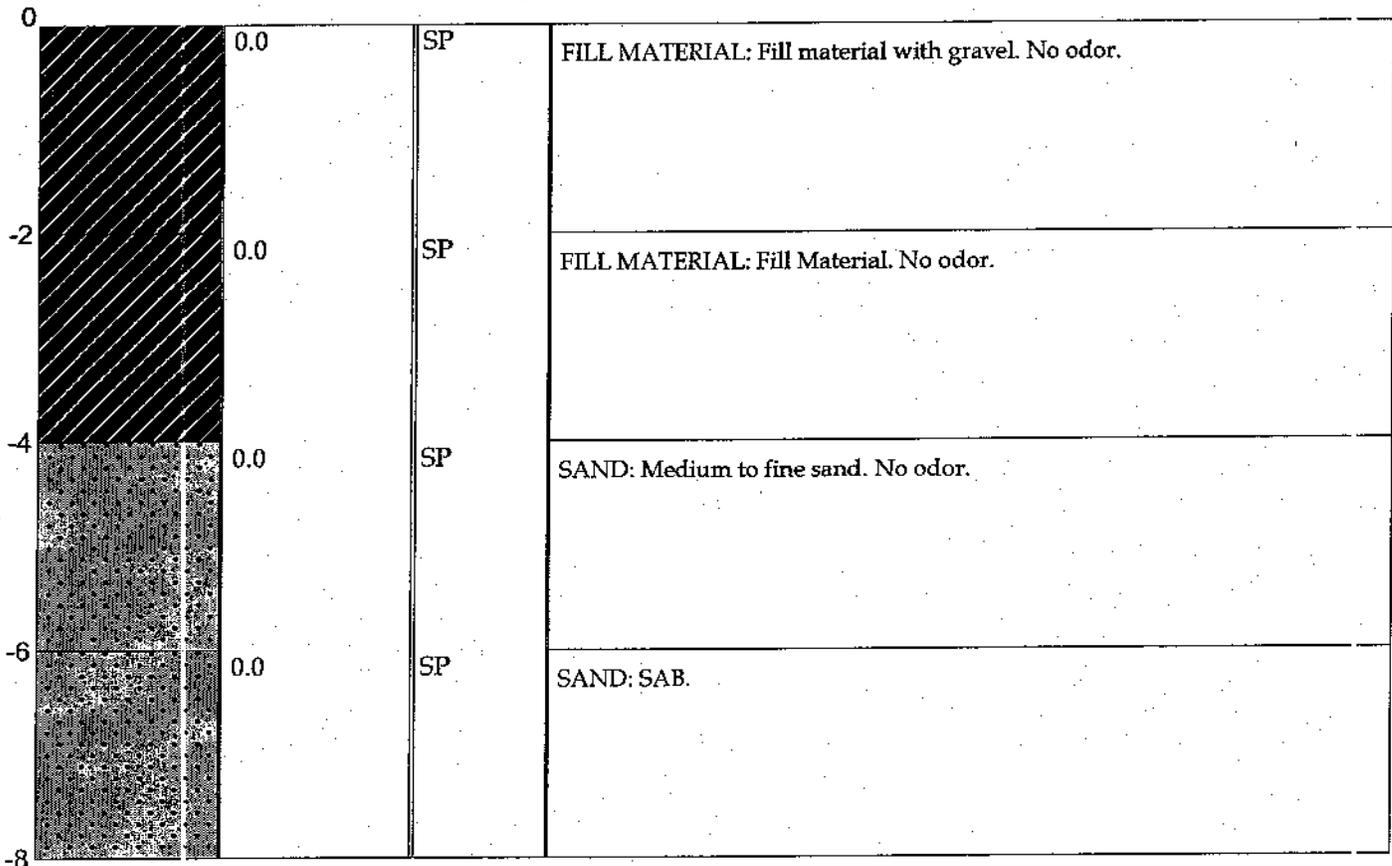
Depth to Water: 10 Feet

Total Depth: 8 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
---------------------------------	-------------------	------	------------------





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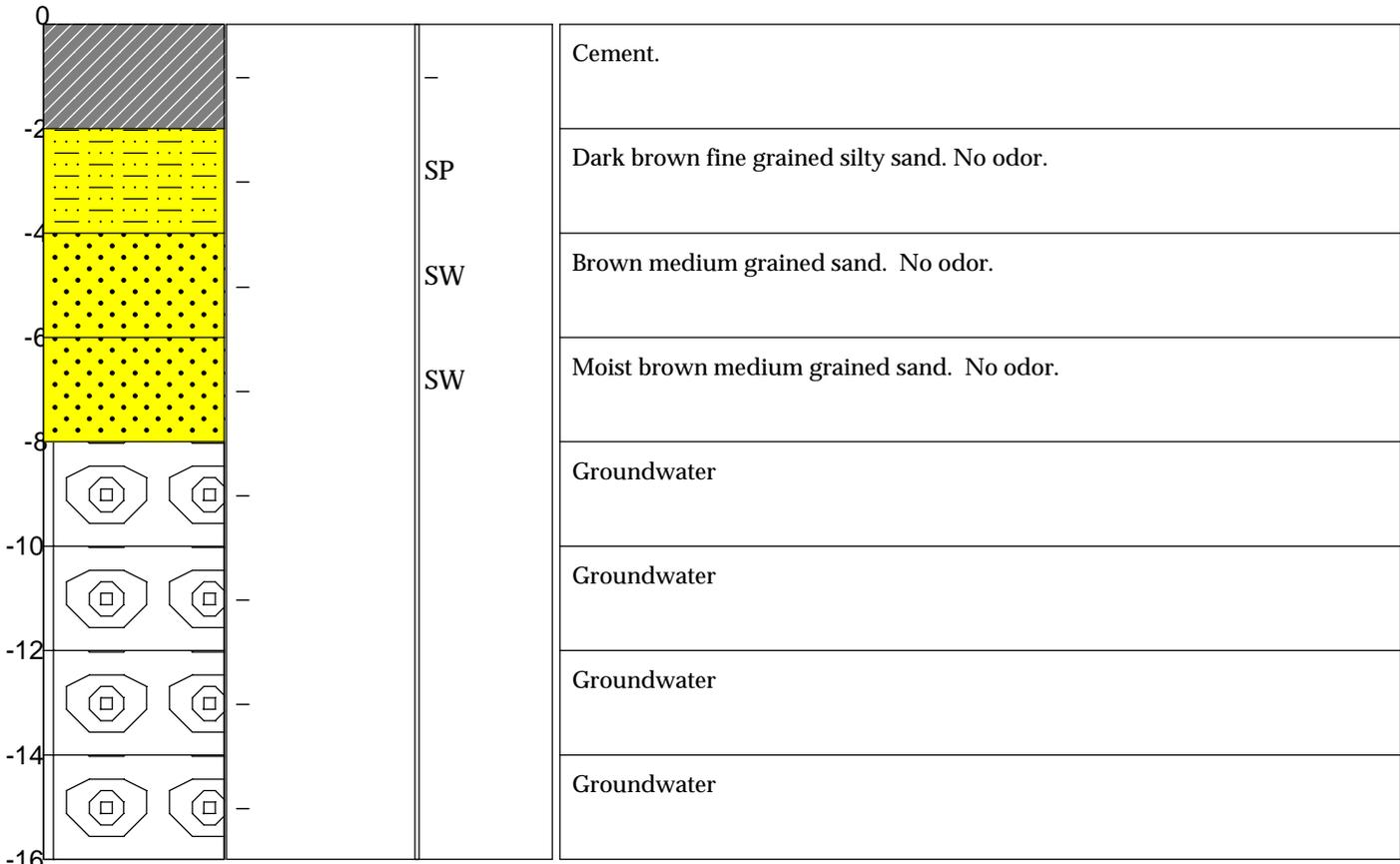
## Soil Probe Log

Job No: 060230	Date: 8/10/2006	Page: 1 of 1
Location: 15 Renwick Street New York, New York	Sampling Interval: 2 Feet	Sampling Method: Macro Core
Boring No.: SP-4	Driller: Manuel	Depth to Water: 8-10 Feet
Drilling Method: Direct push		
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
---------------------------------	-------------------	------	------------------





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## Soil Probe Log

Job No: 060230

Date: 8/10/2006

Page: 1 of 1

Location: 15 Renwick Street  
New York, New York

Sampling Interval: 2 Feet

Sampling Method: Macro Core

Boring No.: SP-5

Driller: Manuel

Drilling Method: Direct push

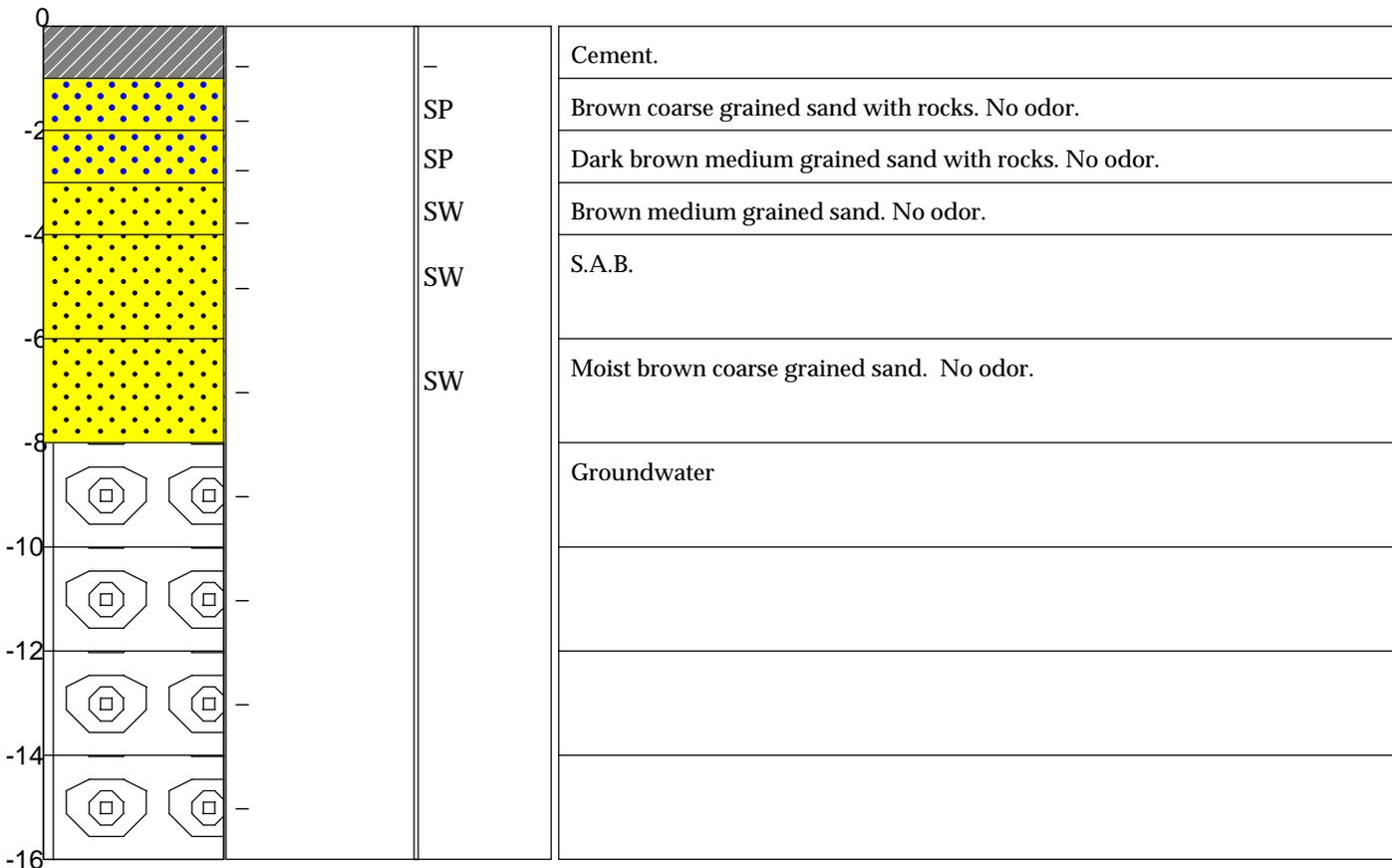
Total Depth: 16 Feet

Depth to Water: 8-10 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
---------------------------------	-------------------	------	------------------





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## Soil Probe Log

Job No: 060230

Date: 8/10/2006

Page: 1 of 1

Location: 15 Renwick Street  
New York, New York

Sampling Interval: 2 Feet

Sampling Method: Macro Core

Boring No.: SP-6

Driller: Manuel

Drilling Method: Direct push

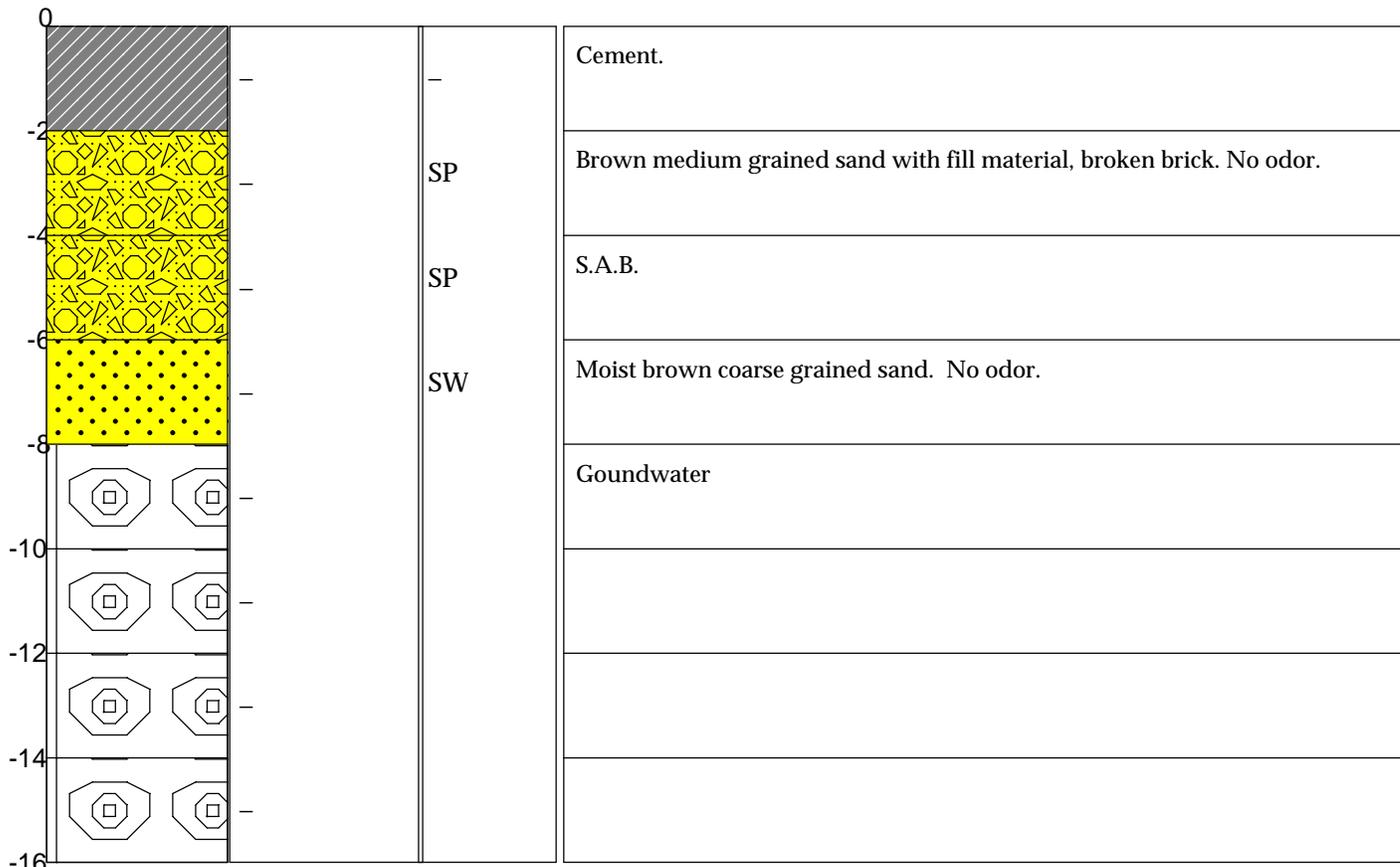
Total Depth: 16 Feet

Depth to Water: 8-10 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
---------------------------------	-------------------	------	------------------





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## Soil Probe Log

Job No: 060230

Date: 8/10/2006

Page: 1 of 1

Location: 15 Renwick Street  
New York, New York

Sampling Interval: 2 Feet

Sampling Method: Macro Core

Boring No.: SP-7

Driller: Manuel

Drilling Method: Direct push

Total Depth: 16 Feet

Depth to Water: 8-10 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			Cement, no recovery.
-2		SW	Brown medium grained sand. No odor.
-4		SW	S.A.B.
-6		SW	Moist brown coarse grained sand. No odor.
-8			Groundwater
-10			Groundwater
-12			Groundwater
-14			Groundwater
-16			Groundwater



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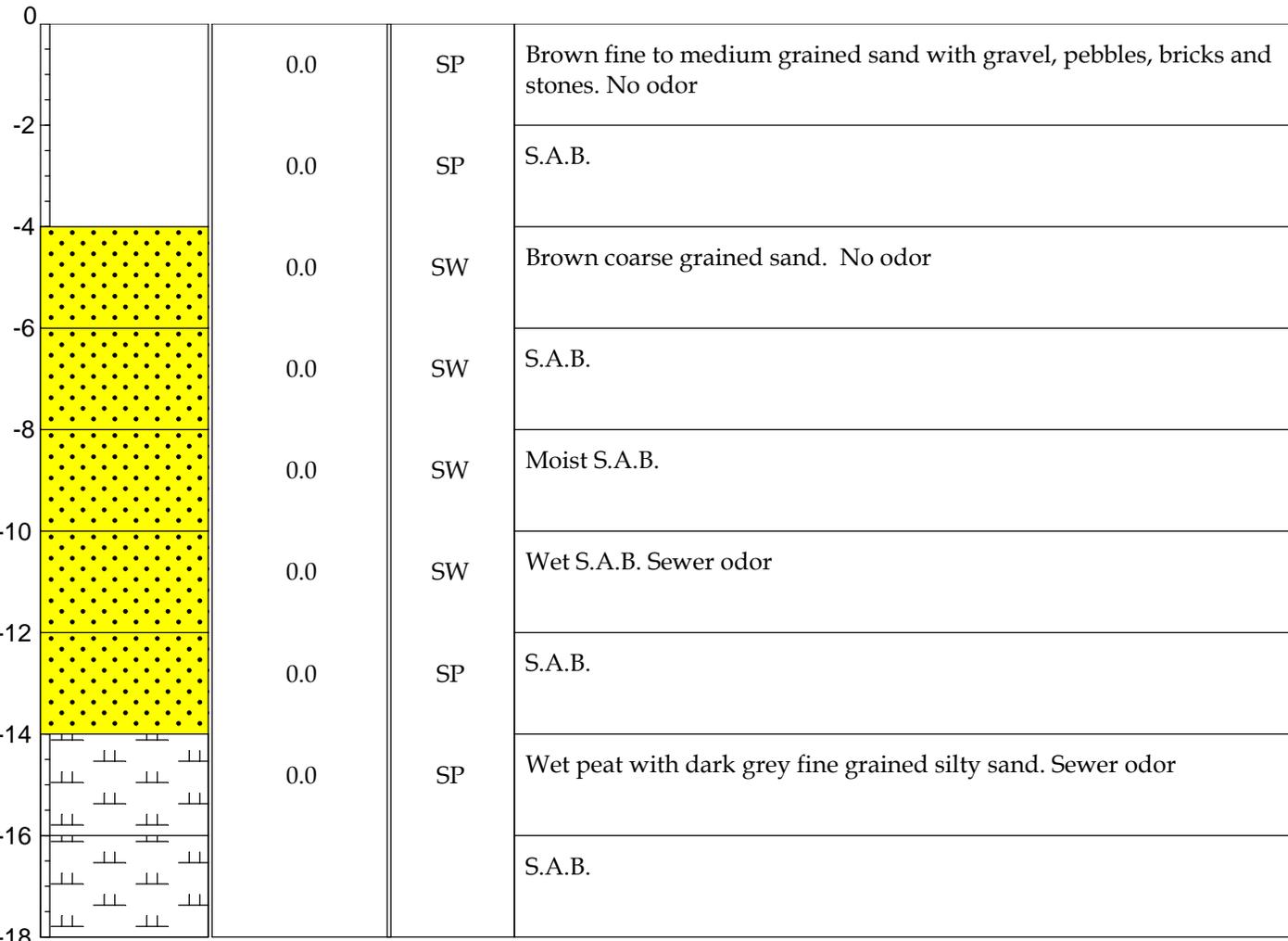
## Soil Probe Log

Job No:	120099	Date:	8/24/2007	Page:	1 of 1
Location:	23-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-1A	Driller:	Levy Mata	Depth to Water:	10 Feet
Drilling Method:	Direct push				
Total Depth:	18 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
---------------------------------	-------------------	------	------------------





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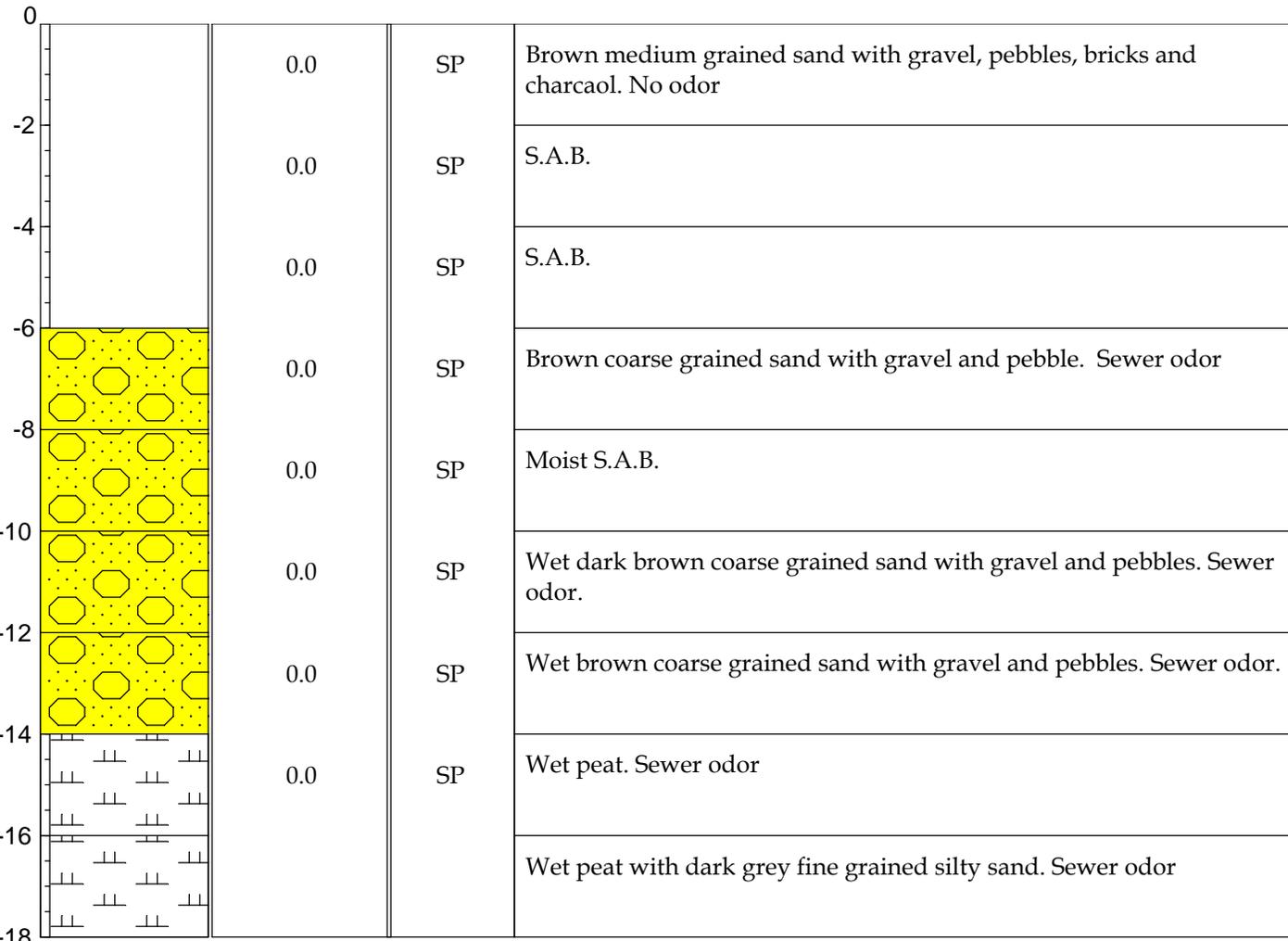
## Soil Probe Log

Job No:	120099	Date:	8/24/2007	Page:	1 of 1
Location:	23-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-2A	Driller:	Levy Mata	Depth to Water:	10 Feet
Drilling Method:	Direct push				
Total Depth:	18 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
---------------------------------	-------------------	------	------------------





# Hydro Tech Environmental, Corp.

Main Office

77 Arkay Street, Suite G  
 Hauppauge, New York 11788  
 T (631) 462-5866 · F (631) 462-5877  
 www.hydrotechenvironmental.com

NYC Office

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

## Soil Probe Log

Job No:	120099	Date:	8/24/2007	Page:	1 of 1
Location:	23-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-3A	Driller:	Levy Mata	Depth to Water:	10 Feet
Drilling Method:	Direct push				
Total Depth:	18 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	White fill material with bricks and charcoal. No odor
-2	0.0	SP	S.A.B.
-4	0.0	SP	S.A.B.
-6	0.0	SP	S.A.B.
-8	-	-	Refusal
-10	-	-	Refusal
-12	-	-	Refusal
-14	-	-	Refusal
-16	-	-	Refusal
-18	-	-	Refusal



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 T (718) 636-0800 · F (718) 636-0900

# Soil Probe Log

Job No:	120099	Date:	8/24/2007	Page:	1 of 1
Location:	23-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-4A	Driller:	Levy Mata	Depth to Water:	10 Feet
Drilling Method:	Direct push				
Total Depth:	18 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	Brown medium grained sand with gravel, pebbles, bricks and charcaol. No odor
-2	0.0	SP	S.A.B.
-4	0.0	SP	Brown coarse grained sand with gravel and pebble. No odor
-6	0.0	SP	S.A.B.
-8	0.0	SP	Moist S.A.B.
-10	0.0	SP	Wet S.A.B. Sewer odor
-12	0.0	SP	Wet black coarse grained sand with gravel and pebble. Sewer odor
-14	0.0	SP	Wet peat. Sewer odor
-16			
-18			



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 Brooklyn, New York 11225  
 T (718) 636-0800 · F (718) 636-0900

## Soil Probe Log

Job No:	120099	Date:	8/24/2007	Page:	1 of 1
Location:	23-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-5A	Driller:	Levy Mata	Depth to Water:	10 Feet
Drilling Method:	Direct push				
Total Depth:	18 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	Black fill material with concrete, gravel, pebbles, bricks and charcaol. No odor
-2	0.0	SP	Brown medium grained sand with white fill material. No odor
-4	0.0	SP	Bricks. No odor
-6	0.0	SW	Brown coarse grained sand. No odor.
-8	0.0	SW	Moist S.A.B.
-10	0.0	SW	Wet S.A.B. Sewer odor
-12	0.0	SP	S.A.B.
-14	0.0	SP	Wet peat with dark grey fine grained silty sand. Sewer odor
-16			S.A.B.
-18			



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## Soil Probe Log

Job No:	120130	Date:	7/3/2012	Page:	1 of 1
Location:	15-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-8	Driller:	Cameron	Depth to Water:	10 Feet below grade
Drilling Method:	Direct push	Total Depth:	18 Feet below grade		

### 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	Excavated interval
-2	0.0	SP	Excavated interval to 3 feet below grade. Brown fine grained silty sand with fill material. No odor
-4	0.0	SP	Wet brown fine grained silty sand with pebbles No odor
-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 peat with dark grey fine grained silty sand. Sewer odor
-14	0.0	SP	S.A.B
-16	0.0	SP	Wet black medium grained silty sand with pebbles. No odor
-18			



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## Soil Probe Log

Job No:	120130	Date:	7/3/2012	Page:	1 of 1
Location:	15-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-9	Driller:	Cameron	Depth to Water:	10 Feet below grade
Drilling Method:	Direct push	Total Depth:	18 Feet below grade		

### 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	Excavated interval
-2	0.0	SP	Excavated interval to 3 feet below grade. Brown fine grained silty sand with fill material. No odor
-4	0.0	SP	Wet brown fine grained silty sand with fill material. No odor
-6	0.0	SP	Wet brown fine grained silty sand with pebbles No odor
-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	Black peat with dark grey fine grained silty sand. Sewer odor
-16	0.0	SP	Black peat with dark black medium grained silty sand with pebbles. No odor
-18			



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## Soil Probe Log

Job No:	120130	Date:	7/3/2012	Page:	1 of 1
Location:	15-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-10	Driller:	Cameron	Depth to Water:	10 Feet below grade
Drilling Method:	Direct push				
Total Depth:	18 Feet below grade				

### 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	Excavated interval
-2	0.0	SP	Excavated interval to 3 feet below grade. Brown fine grained silty sand with fill material. No odor
-4	0.0	SP	Wet brown fine grained silty sand with pebbles No odor
-6	0.0	SP	S.A.B.
-8	0.0	SP	S.A.B.
-10	0.0	SP	Black peat with dark grey fine grained silty sand. Sewer odor
-12	0.0	SP	S.A.B.
-14	0.0	SP	Wet black medium grained silty sand with pebbles. No odor
-16	0.0	SP	S.A.B.
-18	0.0	SP	S.A.B.



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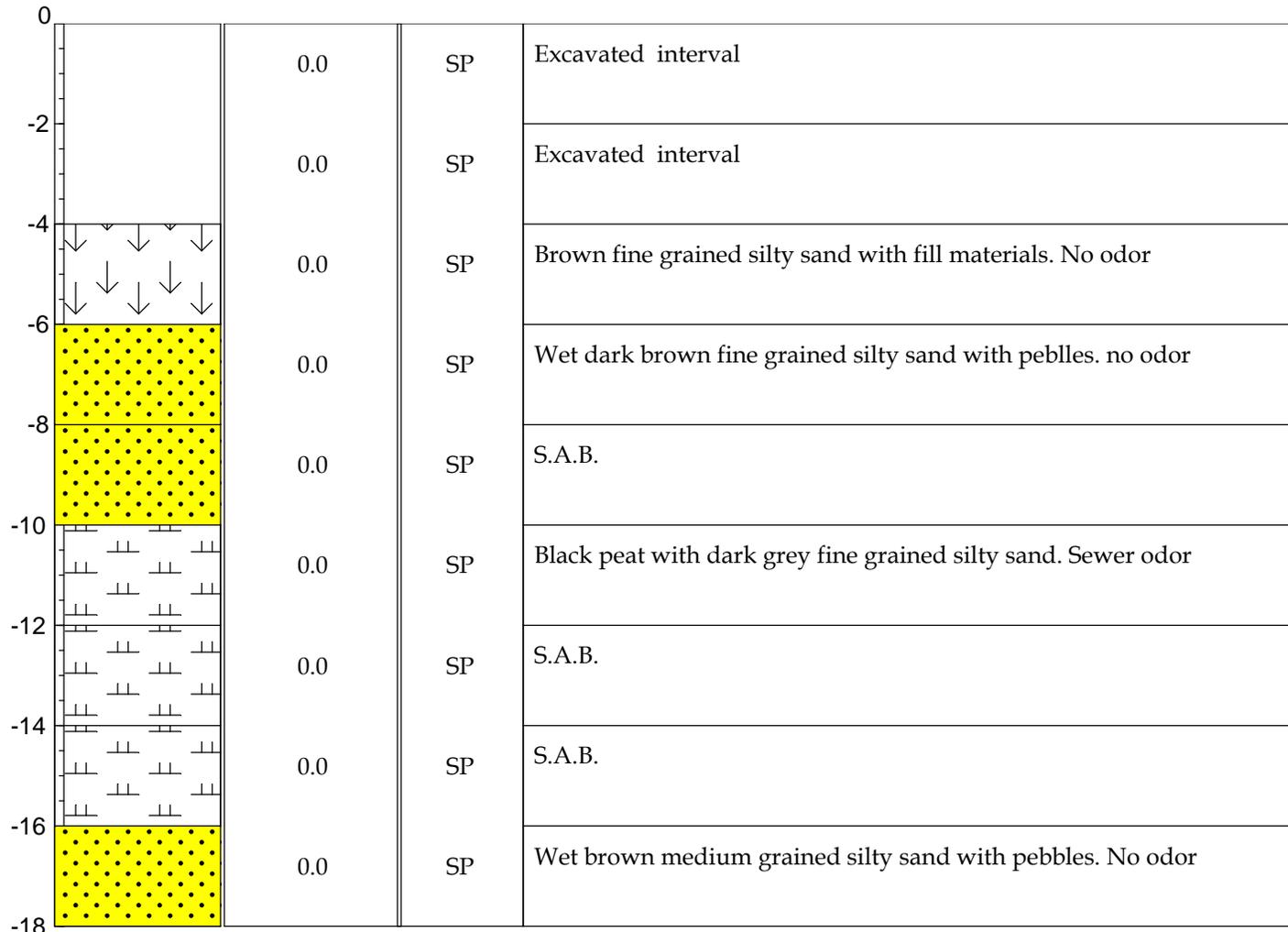
## Soil Probe Log

Job No:	120130	Date:	7/2/2012	Page:	1 of 1
Location:	15-29 Renwick Street New York, New York	Sampling Interval:	2 Feet	Sampling Method:	Macro Core
Boring No.:	SP-11	Driller:	Cameron	Depth to Water:	10 Feet below grade
Drilling Method:	Direct push				
Total Depth:	18 Feet below grade				

### 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
---------------------------------	-------------------	------	------------------



**Appendix-D**  
**Soil Vapor Sampling Logs**

# Field Chain-of-Custody Record - AIR

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. 12G0100

**YOUR Information**

Company: Hydro tel Env.  
Address: 15 Ocean Ave.  
Brooklyn, NY  
Phone No: (718) 686-0826  
Contact Person: Paul

**Report To:**

Company: SAME  
Address: \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Attention: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

**Invoice To:**

Company: SAME  
Address: Houpage  
Phone No. (631) 462-5866  
Attention: Mushie  
E-Mail Address: \_\_\_\_\_

**YOUR Project ID**

# 120130  
15-21 Remwick st  
NY NY  
Purchase Order No. 5155  
Samples from: CT NY NJ

**Turn-Around Time**

RUSH - Same Day   
RUSH - Next Day   
RUSH - Two Day   
RUSH - Three Day   
RUSH - Four Day   
Standard(5-7 Days)

**Report Type/Deliverables**

Summary Report \_\_\_\_\_  
Summary w/ QA Summary \_\_\_\_\_  
CT RCP Package \_\_\_\_\_  
NY ASP A Package \_\_\_\_\_  
NY ASP B/CLP Pkg \_\_\_\_\_  
NJDEP Reduced \_\_\_\_\_  
Electronic Deliverables: \_\_\_\_\_  
EDD (Specify Type) \_\_\_\_\_  
Standard Excel \_\_\_\_\_  
Regulatory Comparison Excel \_\_\_\_\_

**Air Matrix Codes**

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

**Air Matrix**

AI- \_\_\_\_\_  
AO- \_\_\_\_\_  
AE- \_\_\_\_\_  
AS- \_\_\_\_\_

**IO15 Volatiles and Other Gas Analyses**

EPA TO-14A List \_\_\_\_\_  
Tentatively Identified Compounds \_\_\_\_\_  
EPA TO-15 List \_\_\_\_\_  
NYSDEC VI list \_\_\_\_\_  
NYSDEC STARS List \_\_\_\_\_  
Project Specific List by TO-15 \_\_\_\_\_  
NJDEP Target List \_\_\_\_\_  
Methane \_\_\_\_\_  
OTHER \_\_\_\_\_

**Detection Limits Required**

≤ 1 ug/m<sup>3</sup> \_\_\_\_\_  
NYSDEC VI Limits \_\_\_\_\_  
NJDEP low level \_\_\_\_\_  
Routine Survey \_\_\_\_\_  
Other: < 0.5 ug/m<sup>3</sup>

**Special Instructions**

**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)  
[Signature]  
Name (printed)  
Paul Mait

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analytes Needed from the Menu Above and Enter Below	Sampling Media
SU-1	7/2/12	AS	-27	-8	EPA TO-15	6 Liter Summa canister
SU-2	↓	↓	-30	-10	↓	Tedlar Bag
SU-3	↓	↓	-30	-14.5	↓	6 Liter Summa canister
SU-4	↓	↓	-30	-14	↓	Tedlar Bag
SU-5	↓	↓	-30	-11	↓	6 Liter Summa canister
OA-1	↓	AO	-30	-18.5	↓	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 Alison Date/Time 7-3-12  
Samples Relinquished By D.L.O Date/Time 10:40

Samples Received By Al Baker Date/Time 7-3-12 10:00 AM  
Samples Received in LAB by Al Baker Date/Time 7-3-12 16:30

**Appendix-E**  
**Laboratory Data Deliverables for Soil Analytical Data**  
**(See Previous Investigations on CD-ROM)**



59-01 Central Ave.  
Farmingdale, NY 11735

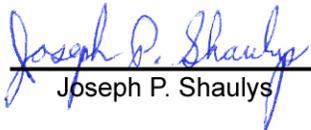
Tel: (631) 414-7685  
Fax: (631) 414-7688

July 09, 2012

Paul Matli  
Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn, NY 11225  
RE: #120130 -15-29 Renwick St. NY NY

Enclosed are the results of analyses for samples received by the laboratory on 07/03/12 13:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
\_\_\_\_\_  
Joseph P. Shaulys

Analytical Chemists Laboratory, LLC NY Lab ID #10950 NJ Lab ID #NY006 EPA Lab ID #NY01292



Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

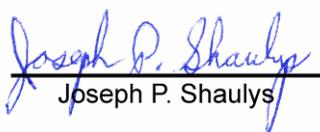
Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-8 13'-15'	1207015-01	Soil	07/03/12 08:00	07/03/12 13:35
SP-9 13'-15'	1207015-02	Soil	07/03/12 08:00	07/03/12 13:35
SP-10 13'-15'	1207015-03	Soil	07/03/12 08:00	07/03/12 13:35
SP-11 0'-2'	1207015-04	Soil	07/03/12 08:00	07/03/12 13:35
SP-11 12'-14'	1207015-05	Soil	07/03/12 08:00	07/03/12 13:35

Analytical Chemists Laboratory, LLC.



Joseph P. Shaulys

*All results are based on the sample 'As Received' by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti*

Hydro Tech Environmental  
 15 Ocean Avenue, 2nd Floor  
 Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

Reported:  
 07/09/12 18:09

**SP-8 13'-15'**  
**1207015-01 (Soil)**

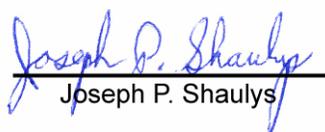
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**Total Metals**

<b>Aluminum</b>	<b>27500</b>	289	mg/kg dry	MEM	07/05/12 16:29	SW 6010B	QM-07
Antimony	<5.78	5.78	"	MEM	07/05/12 15:12	"	
Arsenic	<5.78	5.78	"	MEM	"	"	QM-07
<b>Barium</b>	<b>100</b>	0.578	"	MEM	"	"	QM-07
<b>Beryllium</b>	<b>1.60</b>	0.578	"	MEM	"	"	QM-07
<b>Cadmium</b>	<b>4.28</b>	2.89	"	MEM	"	"	QM-07
<b>Calcium</b>	<b>2100</b>	5.78	"	MEM	"	"	QM-07
<b>Chromium</b>	<b>23.9</b>	2.89	"	MEM	"	"	QM-07
<b>Hexavalent Chromium</b>	<b>0.750</b>	0.723	"	HT	07/05/12 12:05	SW 7196A	O-04
<b>Cobalt</b>	<b>6.23</b>	1.16	"	MEM	07/05/12 15:12	SW 6010B	QM-07
<b>Copper</b>	<b>13.8</b>	0.578	"	MEM	"	"	QM-07
<b>Iron</b>	<b>13600</b>	289	"	MEM	07/05/12 16:29	"	QM-07
<b>Lead</b>	<b>11.7</b>	5.78	"	MEM	07/05/12 15:12	"	QM-07
<b>Magnesium</b>	<b>6050</b>	289	"	MEM	07/05/12 16:29	"	QM-07
<b>Manganese</b>	<b>149</b>	0.578	"	MEM	07/05/12 15:12	"	QM-07
<b>Mercury</b>	<b>0.06</b>	0.05	"	MEM	07/05/12 15:36	SW 7471	
<b>Nickel</b>	<b>20.7</b>	2.89	"	MEM	07/05/12 15:12	SW 6010B	QM-07
<b>Chromium, Trivalent</b>	<b>8.02</b>	1.25	mg/kg	HT	"	CALC	
<b>Potassium</b>	<b>1570</b>	5.78	mg/kg dry	MEM	"	SW 6010B	QM-07
Selenium	<2.89	2.89	"	MEM	"	"	QM-07
Silver	<2.89	2.89	"	MEM	"	"	
<b>Sodium</b>	<b>1510</b>	5.78	"	MEM	"	"	QM-07
Thallium	<5.78	5.78	"	MEM	"	"	QM-07
<b>Vanadium</b>	<b>22.2</b>	0.578	"	MEM	"	"	QM-07
<b>Zinc</b>	<b>57.3</b>	2.89	"	MEM	"	"	QM-07

Analytical Chemists Laboratory, LLC.

  
 Joseph P. Shaulys

*All results are based on the sample As Received by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti*

Hydro Tech Environmental  
 15 Ocean Avenue, 2nd Floor  
 Brooklyn NY, 11225

 Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

 Reported:  
 07/09/12 18:09

**SP-8 13'-15'**  
**1207015-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
---------	--------	-----------------	-------	---------	----------	--------	-----------

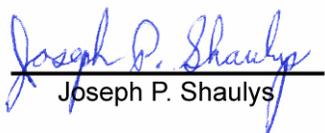
**Analytical Chemists Laboratory, LLC.**
**CN Total**

Cyanide, Total	<0.475	0.475	mg/kg dry	JD	07/06/12 11:24	SW 9010	
----------------	--------	-------	-----------	----	----------------	---------	--

**VOA MS**

Acetone	<28.9	28.9	ug/kg dry	VNS	07/05/12 10:45	SW 5035, 8260B	
Acrylonitrile	<14.5	14.5	"	VNS	"	"	
Benzene	<2.89	2.89	"	VNS	"	"	
Bromodichloromethane	<14.5	14.5	"	VNS	"	"	
Bromoform	<2.89	2.89	"	VNS	"	"	
Bromomethane	<5.78	5.78	"	VNS	"	"	
sec-Butylbenzene	<2.89	2.89	"	VNS	"	"	
n-Butylbenzene	<2.89	2.89	"	VNS	"	"	
tert-Butylbenzene	<2.89	2.89	"	VNS	"	"	
Carbon Tetrachloride	<5.78	5.78	"	VNS	"	"	
Chlorobenzene	<2.89	2.89	"	VNS	"	"	
Chloroform	<2.89	2.89	"	VNS	"	"	
Chloromethane	<5.78	5.78	"	VNS	"	"	
Dibromochloromethane	<5.78	5.78	"	VNS	"	"	
1,2-Dichlorobenzene	<2.89	2.89	"	VNS	"	"	
1,3-Dichlorobenzene	<5.78	5.78	"	VNS	"	"	
1,4-Dichlorobenzene	<2.89	2.89	"	VNS	"	"	
1,1-Dichloroethane	<5.78	5.78	"	VNS	"	"	
1,2-Dichloroethane	<2.89	2.89	"	VNS	"	"	
1,1-Dichloroethene	<2.89	2.89	"	VNS	"	"	
cis-1,2-Dichloroethene	<2.89	2.89	"	VNS	"	"	
trans-1,2-Dichloroethene	<2.89	2.89	"	VNS	"	"	
1,2-Dichloropropane	<2.89	2.89	"	VNS	"	"	
trans-1,3-Dichloropropene	<2.89	2.89	"	VNS	"	"	
cis-1,3-Dichloropropene	<2.89	2.89	"	VNS	"	"	
Ethylbenzene	<2.89	2.89	"	VNS	"	"	
Hexachlorobutadiene	<2.89	2.89	"	VNS	"	"	
Methyl-tert-Butyl Ether	<2.89	2.89	"	VNS	"	"	
Methylene Chloride	<28.9	28.9	"	VNS	"	"	
Methyl Ethyl Ketone	<8.67	8.67	"	VNS	"	"	
Methyl Isobutyl Ketone	<14.5	14.5	"	VNS	"	"	
n-Propylbenzene	<5.78	5.78	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<5.78	5.78	"	VNS	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-8 13'-15'**  
**1207015-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

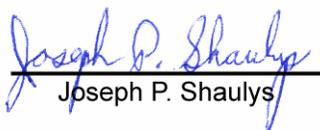
**VOA MS**

1,1,1,2-Tetrachloroethane	<2.89	2.89	ug/kg dry	VNS	07/05/12 10:45	SW 5035, 8260B	
Tetrachloroethene	<2.89	2.89	"	VNS	"	"	
Toluene	<2.89	2.89	"	VNS	"	"	
1,2,4-Trichlorobenzene	<2.89	2.89	"	VNS	"	"	
1,1,1-Trichloroethane	<2.89	2.89	"	VNS	"	"	
1,1,2-Trichloroethane	<5.78	5.78	"	VNS	"	"	
Trichloroethene	<2.89	2.89	"	VNS	"	"	
1,2,4-Trimethylbenzene	<2.89	2.89	"	VNS	"	"	
1,3,5-Trimethylbenzene	<5.78	5.78	"	VNS	"	"	
Vinyl chloride	<5.78	5.78	"	VNS	"	"	
o-Xylene	<2.89	2.89	"	VNS	"	"	
m,p-Xylene	<5.78	5.78	"	VNS	"	"	
1,4-Dioxane	<145	145	"	VNS	"	"	

**SVOA MS**

Acenaphthene	<723	723	ug/kg dry	VM	07/05/12 18:35	SW 3545, 8270C	
Acenaphthylene	<723	723	"	VM	"	"	
Anthracene	<723	723	"	VM	"	"	
Benzo (a) anthracene	<723	723	"	VM	"	"	
Benzo (b) fluoranthene	<723	723	"	VM	"	"	
Benzo (k) fluoranthene	<723	723	"	VM	"	"	
Benzo (g,h,i) perylene	<723	723	"	VM	"	"	
Benzo (a) pyrene	<723	723	"	VM	"	"	
Benzyl alcohol	<723	723	"	VM	"	"	
Bis(2-chloroethyl)ether	<723	723	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<723	723	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<867	867	"	VM	"	"	
Butyl benzyl phthalate	<723	723	"	VM	"	"	
4-Chloroaniline	<723	723	"	VM	"	"	
4-Chloro-3-methylphenol	<723	723	"	VM	"	"	
2-Chlorophenol	<723	723	"	VM	"	"	
Chrysene	<723	723	"	VM	"	"	
Dibenz (a,h) anthracene	<723	723	"	VM	"	"	
Dibenzofuran	<723	723	"	VM	"	"	
Di-n-butyl phthalate	<723	723	"	VM	"	"	
3,3'-Dichlorobenzidine	<723	723	"	VM	"	"	

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 Brooklyn NY, 11225

 Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

 Reported:  
 07/09/12 18:09

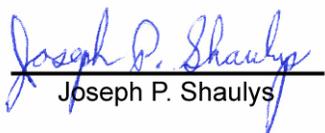
**SP-8 13'-15'**  
**1207015-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**
**SVOA MS**

2,4-Dichlorophenol	<723	723	ug/kg dry	VM	07/05/12 18:35	SW 3545, 8270C	
Diethyl phthalate	<723	723	"	VM	"	"	
2,4-Dimethylphenol	<723	723	"	VM	"	"	
Dimethyl phthalate	<723	723	"	VM	"	"	
2,4-Dinitrophenol	<723	723	"	VM	"	"	
2,4-Dinitrotoluene	<723	723	"	VM	"	"	
2,6-Dinitrotoluene	<723	723	"	VM	"	"	
Di-n-octyl phthalate	<723	723	"	VM	"	"	
Fluoranthene	<723	723	"	VM	"	"	
Fluorene	<723	723	"	VM	"	"	
Hexachlorobenzene	<723	723	"	VM	"	"	
Hexachlorobutadiene	<723	723	"	VM	"	"	
Hexachlorocyclopentadiene	<1450	1450	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<723	723	"	VM	"	"	
Isophorone	<723	723	"	VM	"	"	
2-Methylphenol	<723	723	"	VM	"	"	
3 & 4-Methylphenol	<723	723	"	VM	"	"	
Naphthalene	<723	723	"	VM	"	"	
Nitrobenzene	<723	723	"	VM	"	"	
N-Nitrosodiphenylamine	<723	723	"	VM	"	"	
N-Nitrosodi-n-propylamine	<723	723	"	VM	"	"	
Pentachlorophenol	<867	867	"	VM	"	"	
Phenanthrene	<723	723	"	VM	"	"	
Phenol	<723	723	"	VM	"	"	
Pyrene	<723	723	"	VM	"	"	
2,4,5-Trichlorophenol	<723	723	"	VM	"	"	
2,4,6-Trichlorophenol	<723	723	"	VM	"	"	

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Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-8 13'-15'**  
**1207015-01 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

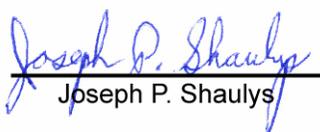
**Pesticides**

alpha-BHC	<14.5	14.5	ug/kg dry	VM	07/05/12 16:06	SW 3545, 8081	
alpha-Chlordane	<14.5	14.5	"	VM	"	"	
beta-BHC	<14.5	14.5	"	VM	"	"	
Aldrin	<14.5	14.5	"	VM	"	"	
gamma-BHC (Lindane)	<14.5	14.5	"	VM	"	"	
Heptachlor	<14.5	14.5	"	VM	"	"	
delta-BHC	<14.5	14.5	"	VM	"	"	
Endosulfan I	<14.5	14.5	"	VM	"	"	
Endosulfan II	<14.5	14.5	"	VM	"	"	
Endosulfan sulfate	<14.5	14.5	"	VM	"	"	
Endrin	<14.5	14.5	"	VM	"	"	
4,4'-DDD	<14.5	14.5	"	VM	"	"	
4,4'-DDE	<14.5	14.5	"	VM	"	"	
4,4'-DDT	<14.5	14.5	"	VM	"	"	
Methoxychlor	<14.5	14.5	"	VM	"	"	
Dieldrin	<14.5	14.5	"	VM	"	"	
Toxaphene	<723	723	"	VM	"	"	

**PCB**

Aroclor 1016	<188	188	ug/kg dry	VM	07/05/12 14:10	SW 3545, 8082	
Aroclor 1221	<289	289	"	VM	"	"	
Aroclor 1232	<208	208	"	VM	"	"	
Aroclor 1242	<289	289	"	VM	"	"	
Aroclor 1248	<173	173	"	VM	"	"	
Aroclor 1254	<86.7	86.7	"	VM	"	"	
Aroclor 1260	<289	289	"	VM	"	"	

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 Brooklyn NY, 11225

 Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

 Reported:  
 07/09/12 18:09

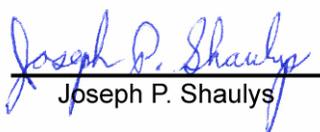
**SP-9 13'-15'**  
**1207015-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**
**Total Metals**

<b>Aluminum</b>	<b>8490</b>	178	mg/kg dry	MEM	07/05/12 16:35	SW 6010B	
Antimony	<3.56	3.56	"	MEM	07/05/12 15:37	"	
Arsenic	<3.56	3.56	"	MEM	"	"	
<b>Barium</b>	<b>63.8</b>	0.356	"	MEM	"	"	
<b>Beryllium</b>	<b>0.428</b>	0.356	"	MEM	"	"	
<b>Cadmium</b>	<b>2.16</b>	1.78	"	MEM	"	"	
<b>Calcium</b>	<b>388</b>	3.56	"	MEM	07/05/12 15:31	"	
<b>Chromium</b>	<b>23.0</b>	1.78	"	MEM	07/05/12 15:37	"	
<b>Hexavalent Chromium</b>	<b>0.734</b>	0.368	"	HT	07/05/12 12:05	SW 7196A	O-04
<b>Cobalt</b>	<b>8.35</b>	0.713	"	MEM	07/05/12 15:37	SW 6010B	
<b>Copper</b>	<b>16.0</b>	0.356	"	MEM	"	"	
<b>Iron</b>	<b>20100</b>	178	"	MEM	07/05/12 16:35	"	
<b>Lead</b>	<b>58.3</b>	3.56	"	MEM	07/05/12 15:37	"	
<b>Magnesium</b>	<b>2690</b>	178	"	MEM	07/05/12 16:35	"	
<b>Manganese</b>	<b>223</b>	17.8	"	MEM	"	"	
<b>Mercury</b>	<b>0.09</b>	0.02	"	MEM	07/05/12 15:38	SW 7471	
<b>Nickel</b>	<b>19.3</b>	1.78	"	MEM	07/05/12 15:37	SW 6010B	
<b>Chromium, Trivalent</b>	<b>15.1</b>	1.46	mg/kg	HT	"	CALC	
<b>Potassium</b>	<b>1170</b>	3.56	mg/kg dry	MEM	07/05/12 15:31	SW 6010B	
Selenium	<1.78	1.78	"	MEM	07/05/12 15:37	"	
Silver	<1.78	1.78	"	MEM	"	"	
<b>Sodium</b>	<b>186</b>	3.56	"	MEM	07/05/12 15:31	"	
Thallium	<3.56	3.56	"	MEM	07/05/12 15:37	"	
<b>Vanadium</b>	<b>31.3</b>	0.356	"	MEM	"	"	
<b>Zinc</b>	<b>29.8</b>	1.78	"	MEM	"	"	

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Hydro Tech Environmental  
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Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-9 13'-15'**  
**1207015-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**CN Total**

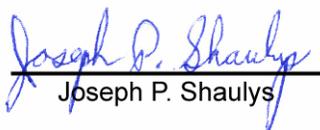
<b>Cyanide, Total</b>	<b>0.195</b>	0.195	mg/kg dry	JD	07/06/12 11:24	SW 9010	
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**VOA MS**

Acetone	<14.7	14.7	ug/kg dry	VNS	07/05/12 11:19	SW 5035, 8260B	
Acrylonitrile	<7.36	7.36	"	VNS	"	"	
Benzene	<1.47	1.47	"	VNS	"	"	
Bromodichloromethane	<7.36	7.36	"	VNS	"	"	
Bromoform	<1.47	1.47	"	VNS	"	"	
Bromomethane	<2.95	2.95	"	VNS	"	"	
sec-Butylbenzene	<1.47	1.47	"	VNS	"	"	
n-Butylbenzene	<1.47	1.47	"	VNS	"	"	
tert-Butylbenzene	<1.47	1.47	"	VNS	"	"	
Carbon Tetrachloride	<2.95	2.95	"	VNS	"	"	
Chlorobenzene	<1.47	1.47	"	VNS	"	"	
Chloroform	<1.47	1.47	"	VNS	"	"	
Chloromethane	<2.95	2.95	"	VNS	"	"	
Dibromochloromethane	<2.95	2.95	"	VNS	"	"	
1,2-Dichlorobenzene	<1.47	1.47	"	VNS	"	"	
1,3-Dichlorobenzene	<2.95	2.95	"	VNS	"	"	
1,4-Dichlorobenzene	<1.47	1.47	"	VNS	"	"	
1,1-Dichloroethane	<2.95	2.95	"	VNS	"	"	
1,2-Dichloroethane	<1.47	1.47	"	VNS	"	"	
1,1-Dichloroethene	<1.47	1.47	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.47	1.47	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.47	1.47	"	VNS	"	"	
1,2-Dichloropropane	<1.47	1.47	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.47	1.47	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.47	1.47	"	VNS	"	"	
Ethylbenzene	<1.47	1.47	"	VNS	"	"	
Hexachlorobutadiene	<1.47	1.47	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.47	1.47	"	VNS	"	"	
Methylene Chloride	<14.7	14.7	"	VNS	"	"	
Methyl Ethyl Ketone	<4.42	4.42	"	VNS	"	"	
Methyl Isobutyl Ketone	<7.36	7.36	"	VNS	"	"	
n-Propylbenzene	<2.95	2.95	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.95	2.95	"	VNS	"	"	

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Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-9 13'-15'**  
**1207015-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

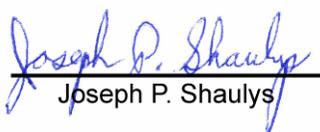
**VOA MS**

1,1,1,2-Tetrachloroethane	<1.47	1.47	ug/kg dry	VNS	07/05/12 11:19	SW 5035, 8260B	
Tetrachloroethene	<1.47	1.47	"	VNS	"	"	
Toluene	<1.47	1.47	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.47	1.47	"	VNS	"	"	
1,1,1-Trichloroethane	<1.47	1.47	"	VNS	"	"	
1,1,2-Trichloroethane	<2.95	2.95	"	VNS	"	"	
Trichloroethene	<1.47	1.47	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.47	1.47	"	VNS	"	"	
1,3,5-Trimethylbenzene	<2.95	2.95	"	VNS	"	"	
Vinyl chloride	<2.95	2.95	"	VNS	"	"	
o-Xylene	<1.47	1.47	"	VNS	"	"	
m,p-Xylene	<2.95	2.95	"	VNS	"	"	
1,4-Dioxane	<73.6	73.6	"	VNS	"	"	

**SVOA MS**

Acenaphthene	<368	368	ug/kg dry	VM	07/05/12 19:28	SW 3545, 8270C	
Acenaphthylene	<368	368	"	VM	"	"	
Anthracene	<368	368	"	VM	"	"	
Benzo (a) anthracene	<368	368	"	VM	"	"	
Benzo (b) fluoranthene	<368	368	"	VM	"	"	
Benzo (k) fluoranthene	<368	368	"	VM	"	"	
Benzo (g,h,i) perylene	<368	368	"	VM	"	"	
Benzo (a) pyrene	<368	368	"	VM	"	"	
Benzyl alcohol	<368	368	"	VM	"	"	
Bis(2-chloroethyl)ether	<368	368	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<368	368	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<442	442	"	VM	"	"	
Butyl benzyl phthalate	<368	368	"	VM	"	"	
4-Chloroaniline	<368	368	"	VM	"	"	
4-Chloro-3-methylphenol	<368	368	"	VM	"	"	
2-Chlorophenol	<368	368	"	VM	"	"	
Chrysene	<368	368	"	VM	"	"	
Dibenz (a,h) anthracene	<368	368	"	VM	"	"	
Dibenzofuran	<368	368	"	VM	"	"	
Di-n-butyl phthalate	<368	368	"	VM	"	"	
3,3'-Dichlorobenzidine	<368	368	"	VM	"	"	

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Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

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07/09/12 18:09

**SP-9 13'-15'**  
**1207015-02 (Soil)**

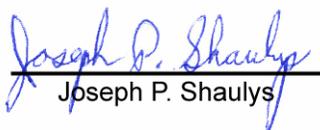
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**SVOA MS**

2,4-Dichlorophenol	<368	368	ug/kg dry	VM	07/05/12 19:28	SW 3545, 8270C	
Diethyl phthalate	<368	368	"	VM	"	"	
2,4-Dimethylphenol	<368	368	"	VM	"	"	
Dimethyl phthalate	<368	368	"	VM	"	"	
2,4-Dinitrophenol	<368	368	"	VM	"	"	
2,4-Dinitrotoluene	<368	368	"	VM	"	"	
2,6-Dinitrotoluene	<368	368	"	VM	"	"	
Di-n-octyl phthalate	<368	368	"	VM	"	"	
Fluoranthene	<368	368	"	VM	"	"	
Fluorene	<368	368	"	VM	"	"	
Hexachlorobenzene	<368	368	"	VM	"	"	
Hexachlorobutadiene	<368	368	"	VM	"	"	
Hexachlorocyclopentadiene	<736	736	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<368	368	"	VM	"	"	
Isophorone	<368	368	"	VM	"	"	
2-Methylphenol	<368	368	"	VM	"	"	
3 & 4-Methylphenol	<368	368	"	VM	"	"	
Naphthalene	<368	368	"	VM	"	"	
Nitrobenzene	<368	368	"	VM	"	"	
N-Nitrosodiphenylamine	<368	368	"	VM	"	"	
N-Nitrosodi-n-propylamine	<368	368	"	VM	"	"	
Pentachlorophenol	<442	442	"	VM	"	"	
Phenanthrene	<368	368	"	VM	"	"	
Phenol	<368	368	"	VM	"	"	
Pyrene	<368	368	"	VM	"	"	
2,4,5-Trichlorophenol	<368	368	"	VM	"	"	
2,4,6-Trichlorophenol	<368	368	"	VM	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-9 13'-15'**  
**1207015-02 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

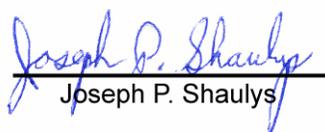
**Pesticides**

alpha-BHC	<7.36	7.36	ug/kg dry	VM	07/05/12 16:28	SW 3545, 8081	
alpha-Chlordane	<7.36	7.36	"	VM	"	"	
beta-BHC	<7.36	7.36	"	VM	"	"	
Aldrin	<7.36	7.36	"	VM	"	"	
gamma-BHC (Lindane)	<7.36	7.36	"	VM	"	"	
Heptachlor	<7.36	7.36	"	VM	"	"	
delta-BHC	<7.36	7.36	"	VM	"	"	
Endosulfan I	<7.36	7.36	"	VM	"	"	
Endosulfan II	<7.36	7.36	"	VM	"	"	
Endosulfan sulfate	<7.36	7.36	"	VM	"	"	
Endrin	<7.36	7.36	"	VM	"	"	
4,4'-DDD	<7.36	7.36	"	VM	"	"	
4,4'-DDE	<7.36	7.36	"	VM	"	"	
4,4'-DDT	<7.36	7.36	"	VM	"	"	
Methoxychlor	<7.36	7.36	"	VM	"	"	
Dieldrin	<7.36	7.36	"	VM	"	"	
Toxaphene	<368	368	"	VM	"	"	

**PCB**

Aroclor 1016	<95.7	95.7	ug/kg dry	VM	07/05/12 14:27	SW 3545, 8082	
Aroclor 1221	<147	147	"	VM	"	"	
Aroclor 1232	<106	106	"	VM	"	"	
Aroclor 1242	<147	147	"	VM	"	"	
Aroclor 1248	<88.4	88.4	"	VM	"	"	
Aroclor 1254	<44.2	44.2	"	VM	"	"	
Aroclor 1260	<147	147	"	VM	"	"	

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Hydro Tech Environmental  
 15 Ocean Avenue, 2nd Floor  
 Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

Reported:  
 07/09/12 18:09

**SP-10 13'-15'**  
**1207015-03 (Soil)**

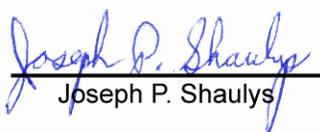
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**Total Metals**

<b>Aluminum</b>	<b>8960</b>	140	mg/kg dry	MEM	07/05/12 16:41	SW 6010B	
Antimony	<2.81	2.81	"	MEM	07/05/12 15:43	"	
Arsenic	<2.81	2.81	"	MEM	"	"	
<b>Barium</b>	<b>16.3</b>	0.281	"	MEM	"	"	
<b>Beryllium</b>	<b>0.344</b>	0.281	"	MEM	"	"	
<b>Cadmium</b>	<b>1.78</b>	1.40	"	MEM	"	"	
<b>Calcium</b>	<b>209</b>	140	"	MEM	07/05/12 16:41	"	
<b>Chromium</b>	<b>12.7</b>	1.40	"	MEM	07/05/12 15:43	"	
Hexavalent Chromium	<0.313	0.313	"	HT	07/05/12 12:05	SW 7196A	O-04
<b>Cobalt</b>	<b>6.55</b>	0.561	"	MEM	07/05/12 15:43	SW 6010B	
<b>Copper</b>	<b>10.6</b>	0.281	"	MEM	"	"	
<b>Iron</b>	<b>11000</b>	140	"	MEM	07/05/12 16:41	"	
<b>Lead</b>	<b>5.31</b>	2.81	"	MEM	07/05/12 15:43	"	
<b>Magnesium</b>	<b>2480</b>	140	"	MEM	07/05/12 16:41	"	
<b>Manganese</b>	<b>89.2</b>	0.281	"	MEM	07/05/12 15:43	"	
<b>Mercury</b>	<b>0.02</b>	0.02	"	MEM	07/05/12 15:40	SW 7471	
<b>Nickel</b>	<b>14.9</b>	1.40	"	MEM	07/05/12 15:43	SW 6010B	
<b>Chromium, Trivalent</b>	<b>10.1</b>	1.37	mg/kg	HT	"	CALC	
<b>Potassium</b>	<b>1010</b>	2.81	mg/kg dry	MEM	07/05/12 15:37	SW 6010B	
Selenium	<1.40	1.40	"	MEM	07/05/12 15:43	"	
Silver	<1.40	1.40	"	MEM	"	"	
<b>Sodium</b>	<b>232</b>	2.81	"	MEM	07/05/12 15:37	"	
Thallium	<2.81	2.81	"	MEM	07/05/12 15:43	"	
<b>Vanadium</b>	<b>16.4</b>	0.281	"	MEM	"	"	
<b>Zinc</b>	<b>28.1</b>	1.40	"	MEM	"	"	

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Hydro Tech Environmental  
 15 Ocean Avenue, 2nd Floor  
 Brooklyn NY, 11225

 Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

**Reported:**  
 07/09/12 18:09

**SP-10 13'-15'**  
**1207015-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**
**CN Total**

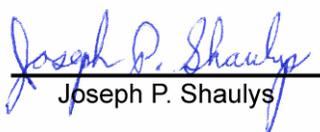
Cyanide, Total	<0.200	0.200	mg/kg dry	JD	07/06/12 11:25	SW 9010	
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**VOA MS**

Acetone	<12.5	12.5	ug/kg dry	VNS	07/05/12 11:53	SW 5035, 8260B	
Acrylonitrile	<6.26	6.26	"	VNS	"	"	
Benzene	<1.25	1.25	"	VNS	"	"	
Bromodichloromethane	<6.26	6.26	"	VNS	"	"	
Bromoform	<1.25	1.25	"	VNS	"	"	
Bromomethane	<2.50	2.50	"	VNS	"	"	
sec-Butylbenzene	<1.25	1.25	"	VNS	"	"	
n-Butylbenzene	<1.25	1.25	"	VNS	"	"	
tert-Butylbenzene	<1.25	1.25	"	VNS	"	"	
Carbon Tetrachloride	<2.50	2.50	"	VNS	"	"	
Chlorobenzene	<1.25	1.25	"	VNS	"	"	
Chloroform	<1.25	1.25	"	VNS	"	"	
Chloromethane	<2.50	2.50	"	VNS	"	"	
Dibromochloromethane	<2.50	2.50	"	VNS	"	"	
1,2-Dichlorobenzene	<1.25	1.25	"	VNS	"	"	
1,3-Dichlorobenzene	<2.50	2.50	"	VNS	"	"	
1,4-Dichlorobenzene	<1.25	1.25	"	VNS	"	"	
1,1-Dichloroethane	<2.50	2.50	"	VNS	"	"	
1,2-Dichloroethane	<1.25	1.25	"	VNS	"	"	
1,1-Dichloroethene	<1.25	1.25	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.25	1.25	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.25	1.25	"	VNS	"	"	
1,2-Dichloropropane	<1.25	1.25	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.25	1.25	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.25	1.25	"	VNS	"	"	
Ethylbenzene	<1.25	1.25	"	VNS	"	"	
Hexachlorobutadiene	<1.25	1.25	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.25	1.25	"	VNS	"	"	
Methylene Chloride	<12.5	12.5	"	VNS	"	"	
Methyl Ethyl Ketone	<3.75	3.75	"	VNS	"	"	
Methyl Isobutyl Ketone	<6.26	6.26	"	VNS	"	"	
n-Propylbenzene	<2.50	2.50	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.50	2.50	"	VNS	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-10 13'-15'**  
**1207015-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

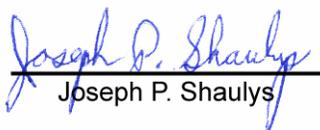
**VOA MS**

1,1,1,2-Tetrachloroethane	<1.25	1.25	ug/kg dry	VNS	07/05/12 11:53	SW 5035, 8260B	
Tetrachloroethene	<1.25	1.25	"	VNS	"	"	
Toluene	<1.25	1.25	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.25	1.25	"	VNS	"	"	
1,1,1-Trichloroethane	<1.25	1.25	"	VNS	"	"	
1,1,2-Trichloroethane	<2.50	2.50	"	VNS	"	"	
Trichloroethene	<1.25	1.25	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.25	1.25	"	VNS	"	"	
1,3,5-Trimethylbenzene	<2.50	2.50	"	VNS	"	"	
Vinyl chloride	<2.50	2.50	"	VNS	"	"	
o-Xylene	<1.25	1.25	"	VNS	"	"	
m,p-Xylene	<2.50	2.50	"	VNS	"	"	
1,4-Dioxane	<62.6	62.6	"	VNS	"	"	

**SVOA MS**

Acenaphthene	<313	313	ug/kg dry	VM	07/05/12 20:20	SW 3545, 8270C	
Acenaphthylene	<313	313	"	VM	"	"	
Anthracene	<313	313	"	VM	"	"	
Benzo (a) anthracene	<313	313	"	VM	"	"	
Benzo (b) fluoranthene	<313	313	"	VM	"	"	
Benzo (k) fluoranthene	<313	313	"	VM	"	"	
Benzo (g,h,i) perylene	<313	313	"	VM	"	"	
Benzo (a) pyrene	<313	313	"	VM	"	"	
Benzyl alcohol	<313	313	"	VM	"	"	
Bis(2-chloroethyl)ether	<313	313	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<313	313	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<375	375	"	VM	"	"	
Butyl benzyl phthalate	<313	313	"	VM	"	"	
4-Chloroaniline	<313	313	"	VM	"	"	
4-Chloro-3-methylphenol	<313	313	"	VM	"	"	
2-Chlorophenol	<313	313	"	VM	"	"	
Chrysene	<313	313	"	VM	"	"	
Dibenz (a,h) anthracene	<313	313	"	VM	"	"	
Dibenzofuran	<313	313	"	VM	"	"	
Di-n-butyl phthalate	<313	313	"	VM	"	"	
3,3'-Dichlorobenzidine	<313	313	"	VM	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-10 13'-15'**  
**1207015-03 (Soil)**

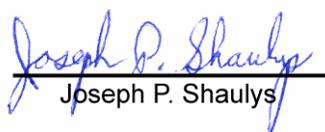
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**SVOA MS**

2,4-Dichlorophenol	<313	313	ug/kg dry	VM	07/05/12 20:20	SW 3545, 8270C	
Diethyl phthalate	<313	313	"	VM	"	"	
2,4-Dimethylphenol	<313	313	"	VM	"	"	
Dimethyl phthalate	<313	313	"	VM	"	"	
2,4-Dinitrophenol	<313	313	"	VM	"	"	
2,4-Dinitrotoluene	<313	313	"	VM	"	"	
2,6-Dinitrotoluene	<313	313	"	VM	"	"	
Di-n-octyl phthalate	<313	313	"	VM	"	"	
Fluoranthene	<313	313	"	VM	"	"	
Fluorene	<313	313	"	VM	"	"	
Hexachlorobenzene	<313	313	"	VM	"	"	
Hexachlorobutadiene	<313	313	"	VM	"	"	
Hexachlorocyclopentadiene	<626	626	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<313	313	"	VM	"	"	
Isophorone	<313	313	"	VM	"	"	
2-Methylphenol	<313	313	"	VM	"	"	
3 & 4-Methylphenol	<313	313	"	VM	"	"	
Naphthalene	<313	313	"	VM	"	"	
Nitrobenzene	<313	313	"	VM	"	"	
N-Nitrosodiphenylamine	<313	313	"	VM	"	"	
N-Nitrosodi-n-propylamine	<313	313	"	VM	"	"	
Pentachlorophenol	<375	375	"	VM	"	"	
Phenanthrene	<313	313	"	VM	"	"	
Phenol	<313	313	"	VM	"	"	
Pyrene	<313	313	"	VM	"	"	
2,4,5-Trichlorophenol	<313	313	"	VM	"	"	
2,4,6-Trichlorophenol	<313	313	"	VM	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-10 13'-15'**  
**1207015-03 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

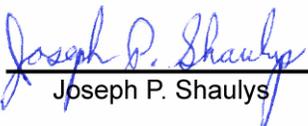
**Pesticides**

alpha-BHC	<6.26	6.26	ug/kg dry	VM	07/05/12 16:50	SW 3545, 8081	
alpha-Chlordane	<6.26	6.26	"	VM	"	"	
beta-BHC	<6.26	6.26	"	VM	"	"	
Aldrin	<6.26	6.26	"	VM	"	"	
gamma-BHC (Lindane)	<6.26	6.26	"	VM	"	"	
Heptachlor	<6.26	6.26	"	VM	"	"	
delta-BHC	<6.26	6.26	"	VM	"	"	
Endosulfan I	<6.26	6.26	"	VM	"	"	
Endosulfan II	<6.26	6.26	"	VM	"	"	
Endosulfan sulfate	<6.26	6.26	"	VM	"	"	
Endrin	<6.26	6.26	"	VM	"	"	
4,4'-DDD	<6.26	6.26	"	VM	"	"	
4,4'-DDE	<6.26	6.26	"	VM	"	"	
4,4'-DDT	<6.26	6.26	"	VM	"	"	
Methoxychlor	<6.26	6.26	"	VM	"	"	
Dieldrin	<6.26	6.26	"	VM	"	"	
Toxaphene	<313	313	"	VM	"	"	

**PCB**

Aroclor 1016	<81.4	81.4	ug/kg dry	VM	07/05/12 14:44	SW 3545, 8082	
Aroclor 1221	<125	125	"	VM	"	"	
Aroclor 1232	<90.1	90.1	"	VM	"	"	
Aroclor 1242	<125	125	"	VM	"	"	
Aroclor 1248	<75.1	75.1	"	VM	"	"	
Aroclor 1254	<37.5	37.5	"	VM	"	"	
Aroclor 1260	<125	125	"	VM	"	"	

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-11 0'-2'**  
**1207015-04 (Soil)**

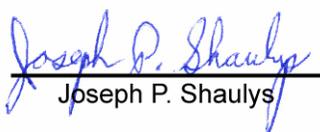
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**Total Metals**

<b>Aluminum</b>	<b>6600</b>	137	mg/kg dry	MEM	07/05/12 16:47	SW 6010B	
Antimony	<2.74	2.74	"	MEM	07/05/12 15:50	"	
Arsenic	<2.74	2.74	"	MEM	"	"	
<b>Barium</b>	<b>80.7</b>	0.274	"	MEM	"	"	
<b>Beryllium</b>	<b>0.445</b>	0.274	"	MEM	"	"	
<b>Cadmium</b>	<b>1.70</b>	1.37	"	MEM	"	"	
<b>Calcium</b>	<b>270</b>	2.74	"	MEM	07/05/12 15:43	"	
<b>Chromium</b>	<b>24.2</b>	1.37	"	MEM	07/05/12 15:50	"	
Hexavalent Chromium	<0.252	0.252	"	HT	07/05/12 12:05	SW 7196A	O-04
<b>Cobalt</b>	<b>4.63</b>	0.547	"	MEM	07/05/12 15:50	SW 6010B	
<b>Copper</b>	<b>14.4</b>	0.274	"	MEM	"	"	
<b>Iron</b>	<b>11700</b>	137	"	MEM	07/05/12 16:47	"	
<b>Lead</b>	<b>64.8</b>	2.74	"	MEM	07/05/12 15:50	"	
<b>Magnesium</b>	<b>6870</b>	137	"	MEM	07/05/12 16:47	"	
<b>Manganese</b>	<b>248</b>	13.7	"	MEM	"	"	
<b>Mercury</b>	<b>0.26</b>	0.02	"	MEM	07/05/12 15:41	SW 7471	
<b>Nickel</b>	<b>16.6</b>	1.37	"	MEM	07/05/12 15:50	SW 6010B	
<b>Chromium, Trivalent</b>	<b>21.5</b>	1.44	mg/kg	HT	"	CALC	
<b>Potassium</b>	<b>765</b>	2.74	mg/kg dry	MEM	07/05/12 15:43	SW 6010B	
Selenium	<1.37	1.37	"	MEM	07/05/12 15:50	"	
Silver	<1.37	1.37	"	MEM	"	"	
<b>Sodium</b>	<b>214</b>	2.74	"	MEM	07/05/12 15:43	"	
Thallium	<2.74	2.74	"	MEM	07/05/12 15:50	"	
<b>Vanadium</b>	<b>17.4</b>	0.274	"	MEM	"	"	
<b>Zinc</b>	<b>57.9</b>	1.37	"	MEM	"	"	

Analytical Chemists Laboratory, LLC.

  
Joseph P. Shaulys

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-11 0'-2'**  
**1207015-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

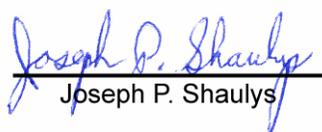
**CN Total**

<b>Cyanide, Total</b>	<b>0.281</b>	0.171	mg/kg dry	JD	07/06/12 11:26	SW 9010	
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**VOA MS**

Acetone	<11.2	11.2	ug/kg dry	VNS	07/05/12 12:27	SW 5035, 8260B	
Acrylonitrile	<5.62	5.62	"	VNS	"	"	
Benzene	<1.12	1.12	"	VNS	"	"	
Bromodichloromethane	<5.62	5.62	"	VNS	"	"	
Bromoform	<1.12	1.12	"	VNS	"	"	
Bromomethane	<2.25	2.25	"	VNS	"	"	
sec-Butylbenzene	<1.12	1.12	"	VNS	"	"	
n-Butylbenzene	<1.12	1.12	"	VNS	"	"	
tert-Butylbenzene	<1.12	1.12	"	VNS	"	"	
Carbon Tetrachloride	<2.25	2.25	"	VNS	"	"	
Chlorobenzene	<1.12	1.12	"	VNS	"	"	
Chloroform	<1.12	1.12	"	VNS	"	"	
Chloromethane	<2.25	2.25	"	VNS	"	"	
Dibromochloromethane	<2.25	2.25	"	VNS	"	"	
1,2-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,3-Dichlorobenzene	<2.25	2.25	"	VNS	"	"	
1,4-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethane	<2.25	2.25	"	VNS	"	"	
1,2-Dichloroethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethene	<1.12	1.12	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
1,2-Dichloropropane	<1.12	1.12	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.12	1.12	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.12	1.12	"	VNS	"	"	
Ethylbenzene	<1.12	1.12	"	VNS	"	"	
Hexachlorobutadiene	<1.12	1.12	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.12	1.12	"	VNS	"	"	
Methylene Chloride	<11.2	11.2	"	VNS	"	"	
Methyl Ethyl Ketone	<3.37	3.37	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.62	5.62	"	VNS	"	"	
n-Propylbenzene	<2.25	2.25	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.25	2.25	"	VNS	"	"	

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Project Number: [none]  
Project Manager: Paul Matti

Reported:  
07/09/12 18:09

**SP-11 0'-2'**  
**1207015-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

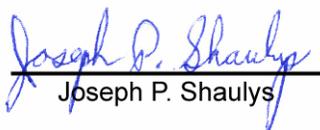
**VOA MS**

1,1,1,2-Tetrachloroethane	<1.12	1.12	ug/kg dry	VNS	07/05/12 12:27	SW 5035, 8260B	
Tetrachloroethene	<1.12	1.12	"	VNS	"	"	
Toluene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,1,1-Trichloroethane	<1.12	1.12	"	VNS	"	"	
1,1,2-Trichloroethane	<2.25	2.25	"	VNS	"	"	
Trichloroethene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
1,3,5-Trimethylbenzene	<2.25	2.25	"	VNS	"	"	
Vinyl chloride	<2.25	2.25	"	VNS	"	"	
o-Xylene	<1.12	1.12	"	VNS	"	"	
m,p-Xylene	<2.25	2.25	"	VNS	"	"	
1,4-Dioxane	<56.2	56.2	"	VNS	"	"	

**SVOA MS**

Acenaphthene	<281	281	ug/kg dry	VM	07/05/12 21:12	SW 3545, 8270C	
Acenaphthylene	<281	281	"	VM	"	"	
Anthracene	<281	281	"	VM	"	"	
Benzo (a) anthracene	<281	281	"	VM	"	"	
Benzo (b) fluoranthene	<281	281	"	VM	"	"	
Benzo (k) fluoranthene	<281	281	"	VM	"	"	
Benzo (g,h,i) perylene	<281	281	"	VM	"	"	
Benzo (a) pyrene	<281	281	"	VM	"	"	
Benzyl alcohol	<281	281	"	VM	"	"	
Bis(2-chloroethyl)ether	<281	281	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<281	281	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<337	337	"	VM	"	"	
Butyl benzyl phthalate	<281	281	"	VM	"	"	
4-Chloroaniline	<281	281	"	VM	"	"	
4-Chloro-3-methylphenol	<281	281	"	VM	"	"	
2-Chlorophenol	<281	281	"	VM	"	"	
Chrysene	<281	281	"	VM	"	"	
Dibenz (a,h) anthracene	<281	281	"	VM	"	"	
Dibenzofuran	<281	281	"	VM	"	"	
Di-n-butyl phthalate	<281	281	"	VM	"	"	
3,3'-Dichlorobenzidine	<281	281	"	VM	"	"	

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Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-11 0'-2'**  
**1207015-04 (Soil)**

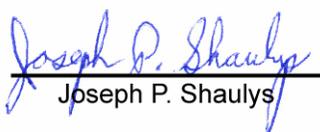
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**SVOA MS**

2,4-Dichlorophenol	<281	281	ug/kg dry	VM	07/05/12 21:12	SW 3545, 8270C	
Diethyl phthalate	<281	281	"	VM	"	"	
2,4-Dimethylphenol	<281	281	"	VM	"	"	
Dimethyl phthalate	<281	281	"	VM	"	"	
2,4-Dinitrophenol	<281	281	"	VM	"	"	
2,4-Dinitrotoluene	<281	281	"	VM	"	"	
2,6-Dinitrotoluene	<281	281	"	VM	"	"	
Di-n-octyl phthalate	<281	281	"	VM	"	"	
Fluoranthene	<281	281	"	VM	"	"	
Fluorene	<281	281	"	VM	"	"	
Hexachlorobenzene	<281	281	"	VM	"	"	
Hexachlorobutadiene	<281	281	"	VM	"	"	
Hexachlorocyclopentadiene	<562	562	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<281	281	"	VM	"	"	
Isophorone	<281	281	"	VM	"	"	
2-Methylphenol	<281	281	"	VM	"	"	
3 & 4-Methylphenol	<281	281	"	VM	"	"	
Naphthalene	<281	281	"	VM	"	"	
Nitrobenzene	<281	281	"	VM	"	"	
N-Nitrosodiphenylamine	<281	281	"	VM	"	"	
N-Nitrosodi-n-propylamine	<281	281	"	VM	"	"	
Pentachlorophenol	<337	337	"	VM	"	"	
Phenanthrene	<281	281	"	VM	"	"	
Phenol	<281	281	"	VM	"	"	
Pyrene	<281	281	"	VM	"	"	
2,4,5-Trichlorophenol	<281	281	"	VM	"	"	
2,4,6-Trichlorophenol	<281	281	"	VM	"	"	

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 Brooklyn NY, 11225

 Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

 Reported:  
 07/09/12 18:09

**SP-11 0'-2'**  
**1207015-04 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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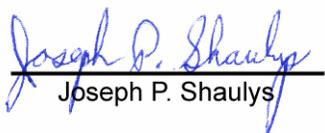
**Analytical Chemists Laboratory, LLC.**
**Pesticides**

alpha-BHC	<5.62	5.62	ug/kg dry	VM	07/05/12 17:12	SW 3545, 8081	
alpha-Chlordane	<5.62	5.62	"	VM	"	"	
beta-BHC	<5.62	5.62	"	VM	"	"	
Aldrin	<5.62	5.62	"	VM	"	"	
gamma-BHC (Lindane)	<5.62	5.62	"	VM	"	"	
Heptachlor	<5.62	5.62	"	VM	"	"	
delta-BHC	<5.62	5.62	"	VM	"	"	
Endosulfan I	<5.62	5.62	"	VM	"	"	
Endosulfan II	<5.62	5.62	"	VM	"	"	
Endosulfan sulfate	<5.62	5.62	"	VM	"	"	
Endrin	<5.62	5.62	"	VM	"	"	
4,4'-DDD	<5.62	5.62	"	VM	"	"	
4,4'-DDE	<5.62	5.62	"	VM	"	"	
4,4'-DDT	<5.62	5.62	"	VM	"	"	
Methoxychlor	<5.62	5.62	"	VM	"	"	
Dieldrin	<5.62	5.62	"	VM	"	"	
Toxaphene	<281	281	"	VM	"	"	

**PCB**

Aroclor 1016	<73.0	73.0	ug/kg dry	VM	07/05/12 15:03	SW 3545, 8082	
Aroclor 1221	<112	112	"	VM	"	"	
Aroclor 1232	<80.9	80.9	"	VM	"	"	
Aroclor 1242	<112	112	"	VM	"	"	
Aroclor 1248	<67.4	67.4	"	VM	"	"	
Aroclor 1254	<33.7	33.7	"	VM	"	"	
Aroclor 1260	<112	112	"	VM	"	"	

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15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-11 12'-14'**  
**1207015-05 (Soil)**

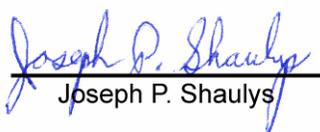
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**Total Metals**

<b>Aluminum</b>	<b>9000</b>	140	mg/kg dry	MEM	07/05/12 16:54	SW 6010B	
Antimony	<2.80	2.80	"	MEM	07/05/12 15:31	"	
Arsenic	<2.80	2.80	"	MEM	"	"	
<b>Barium</b>	<b>31.6</b>	0.280	"	MEM	"	"	
<b>Beryllium</b>	<b>0.441</b>	0.280	"	MEM	"	"	
<b>Cadmium</b>	<b>1.80</b>	1.40	"	MEM	"	"	
<b>Calcium</b>	<b>261</b>	140	"	MEM	07/05/12 16:54	"	
<b>Chromium</b>	<b>13.8</b>	1.40	"	MEM	07/05/12 15:31	"	
Hexavalent Chromium	<0.272	0.272	"	HT	07/05/12 12:05	SW 7196A	O-04
<b>Cobalt</b>	<b>5.44</b>	0.561	"	MEM	07/05/12 15:31	SW 6010B	
<b>Copper</b>	<b>10.6</b>	0.280	"	MEM	"	"	
<b>Iron</b>	<b>11900</b>	140	"	MEM	07/05/12 16:54	"	
<b>Lead</b>	<b>6.76</b>	2.80	"	MEM	07/05/12 15:31	"	
<b>Magnesium</b>	<b>2660</b>	140	"	MEM	07/05/12 16:54	"	
<b>Manganese</b>	<b>67.3</b>	0.280	"	MEM	07/05/12 15:31	"	
<b>Mercury</b>	<b>0.02</b>	0.02	"	MEM	07/05/12 15:44	SW 7471	
<b>Nickel</b>	<b>12.5</b>	1.40	"	MEM	07/05/12 15:31	SW 6010B	
<b>Chromium, Trivalent</b>	<b>11.7</b>	1.43	mg/kg	HT	"	CALC	
<b>Potassium</b>	<b>1230</b>	2.80	mg/kg dry	MEM	07/05/12 15:50	SW 6010B	
Selenium	<1.40	1.40	"	MEM	07/05/12 15:31	"	
Silver	<1.40	1.40	"	MEM	"	"	
<b>Sodium</b>	<b>254</b>	2.80	"	MEM	07/05/12 15:50	"	
Thallium	<2.80	2.80	"	MEM	07/05/12 15:31	"	
<b>Vanadium</b>	<b>21.9</b>	0.280	"	MEM	"	"	
<b>Zinc</b>	<b>31.1</b>	1.40	"	MEM	"	"	

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07/09/12 18:09

**SP-11 12'-14'**  
**1207015-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**CN Total**

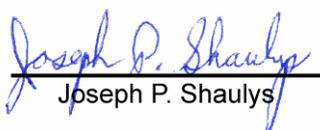
Cyanide, Total	<0.188	0.188	mg/kg dry	JD	07/06/12 11:27	SW 9010	
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**VOA MS**

Acetone	<11.7	11.7	ug/kg dry	VNS	07/05/12 13:45	SW 5035, 8260B	
Acrylonitrile	<5.87	5.87	"	VNS	"	"	
Benzene	<1.17	1.17	"	VNS	"	"	
Bromodichloromethane	<5.87	5.87	"	VNS	"	"	
Bromoform	<1.17	1.17	"	VNS	"	"	
Bromomethane	<2.35	2.35	"	VNS	"	"	
sec-Butylbenzene	<1.17	1.17	"	VNS	"	"	
n-Butylbenzene	<1.17	1.17	"	VNS	"	"	
tert-Butylbenzene	<1.17	1.17	"	VNS	"	"	
Carbon Tetrachloride	<2.35	2.35	"	VNS	"	"	
Chlorobenzene	<1.17	1.17	"	VNS	"	"	
Chloroform	<1.17	1.17	"	VNS	"	"	
Chloromethane	<2.35	2.35	"	VNS	"	"	
Dibromochloromethane	<2.35	2.35	"	VNS	"	"	
1,2-Dichlorobenzene	<1.17	1.17	"	VNS	"	"	
1,3-Dichlorobenzene	<2.35	2.35	"	VNS	"	"	
1,4-Dichlorobenzene	<1.17	1.17	"	VNS	"	"	
1,1-Dichloroethane	<2.35	2.35	"	VNS	"	"	
1,2-Dichloroethane	<1.17	1.17	"	VNS	"	"	
1,1-Dichloroethene	<1.17	1.17	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.17	1.17	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.17	1.17	"	VNS	"	"	
1,2-Dichloropropane	<1.17	1.17	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.17	1.17	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.17	1.17	"	VNS	"	"	
Ethylbenzene	<1.17	1.17	"	VNS	"	"	
Hexachlorobutadiene	<1.17	1.17	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.17	1.17	"	VNS	"	"	
Methylene Chloride	<11.7	11.7	"	VNS	"	"	
Methyl Ethyl Ketone	<3.52	3.52	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.87	5.87	"	VNS	"	"	
n-Propylbenzene	<2.35	2.35	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.35	2.35	"	VNS	"	"	

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07/09/12 18:09

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**1207015-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

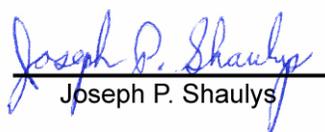
**VOA MS**

1,1,1,2-Tetrachloroethane	<1.17	1.17	ug/kg dry	VNS	07/05/12 13:45	SW 5035, 8260B	
Tetrachloroethene	<1.17	1.17	"	VNS	"	"	
Toluene	<1.17	1.17	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.17	1.17	"	VNS	"	"	
1,1,1-Trichloroethane	<1.17	1.17	"	VNS	"	"	
1,1,2-Trichloroethane	<2.35	2.35	"	VNS	"	"	
Trichloroethene	<1.17	1.17	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.17	1.17	"	VNS	"	"	
1,3,5-Trimethylbenzene	<2.35	2.35	"	VNS	"	"	
Vinyl chloride	<2.35	2.35	"	VNS	"	"	
o-Xylene	<1.17	1.17	"	VNS	"	"	
m,p-Xylene	<2.35	2.35	"	VNS	"	"	
1,4-Dioxane	<58.7	58.7	"	VNS	"	"	

**SVOA MS**

Acenaphthene	<293	293	ug/kg dry	VM	07/05/12 22:05	SW 3545, 8270C	
Acenaphthylene	<293	293	"	VM	"	"	
Anthracene	<293	293	"	VM	"	"	
Benzo (a) anthracene	<293	293	"	VM	"	"	
Benzo (b) fluoranthene	<293	293	"	VM	"	"	
Benzo (k) fluoranthene	<293	293	"	VM	"	"	
Benzo (g,h,i) perylene	<293	293	"	VM	"	"	
Benzo (a) pyrene	<293	293	"	VM	"	"	
Benzyl alcohol	<293	293	"	VM	"	"	
Bis(2-chloroethyl)ether	<293	293	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<293	293	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<352	352	"	VM	"	"	
Butyl benzyl phthalate	<293	293	"	VM	"	"	
4-Chloroaniline	<293	293	"	VM	"	"	
4-Chloro-3-methylphenol	<293	293	"	VM	"	"	
2-Chlorophenol	<293	293	"	VM	"	"	
Chrysene	<293	293	"	VM	"	"	
Dibenz (a,h) anthracene	<293	293	"	VM	"	"	
Dibenzofuran	<293	293	"	VM	"	"	
Di-n-butyl phthalate	<293	293	"	VM	"	"	
3,3'-Dichlorobenzidine	<293	293	"	VM	"	"	

Analytical Chemists Laboratory, LLC.

  
Joseph P. Shaulys

*All results are based on the sample As Received by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti*

Hydro Tech Environmental  
 15 Ocean Avenue, 2nd Floor  
 Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
 Project Number: [none]  
 Project Manager: Paul Matli

Reported:  
 07/09/12 18:09

**SP-11 12'-14'**  
**1207015-05 (Soil)**

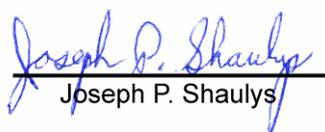
Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

**SVOA MS**

2,4-Dichlorophenol	<293	293	ug/kg dry	VM	07/05/12 22:05	SW 3545, 8270C	
Diethyl phthalate	<293	293	"	VM	"	"	
2,4-Dimethylphenol	<293	293	"	VM	"	"	
Dimethyl phthalate	<293	293	"	VM	"	"	
2,4-Dinitrophenol	<293	293	"	VM	"	"	
2,4-Dinitrotoluene	<293	293	"	VM	"	"	
2,6-Dinitrotoluene	<293	293	"	VM	"	"	
Di-n-octyl phthalate	<293	293	"	VM	"	"	
Fluoranthene	<293	293	"	VM	"	"	
Fluorene	<293	293	"	VM	"	"	
Hexachlorobenzene	<293	293	"	VM	"	"	
Hexachlorobutadiene	<293	293	"	VM	"	"	
Hexachlorocyclopentadiene	<587	587	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<293	293	"	VM	"	"	
Isophorone	<293	293	"	VM	"	"	
2-Methylphenol	<293	293	"	VM	"	"	
3 & 4-Methylphenol	<293	293	"	VM	"	"	
Naphthalene	<293	293	"	VM	"	"	
Nitrobenzene	<293	293	"	VM	"	"	
N-Nitrosodiphenylamine	<293	293	"	VM	"	"	
N-Nitrosodi-n-propylamine	<293	293	"	VM	"	"	
Pentachlorophenol	<352	352	"	VM	"	"	
Phenanthrene	<293	293	"	VM	"	"	
Phenol	<293	293	"	VM	"	"	
Pyrene	<293	293	"	VM	"	"	
2,4,5-Trichlorophenol	<293	293	"	VM	"	"	
2,4,6-Trichlorophenol	<293	293	"	VM	"	"	

Analytical Chemists Laboratory, LLC.



Joseph P. Shaulys

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

**SP-11 12'-14'**  
**1207015-05 (Soil)**

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
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**Analytical Chemists Laboratory, LLC.**

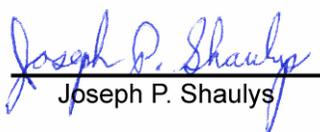
**Pesticides**

alpha-BHC	<5.87	5.87	ug/kg dry	VM	07/05/12 17:34	SW 3545, 8081	
alpha-Chlordane	<5.87	5.87	"	VM	"	"	
beta-BHC	<5.87	5.87	"	VM	"	"	
Aldrin	<5.87	5.87	"	VM	"	"	
gamma-BHC (Lindane)	<5.87	5.87	"	VM	"	"	
Heptachlor	<5.87	5.87	"	VM	"	"	
delta-BHC	<5.87	5.87	"	VM	"	"	
Endosulfan I	<5.87	5.87	"	VM	"	"	
Endosulfan II	<5.87	5.87	"	VM	"	"	
Endosulfan sulfate	<5.87	5.87	"	VM	"	"	
Endrin	<5.87	5.87	"	VM	"	"	
4,4'-DDD	<5.87	5.87	"	VM	"	"	
4,4'-DDE	<5.87	5.87	"	VM	"	"	
4,4'-DDT	<5.87	5.87	"	VM	"	"	
Methoxychlor	<5.87	5.87	"	VM	"	"	
Dieldrin	<5.87	5.87	"	VM	"	"	
Toxaphene	<293	293	"	VM	"	"	

**PCB**

Aroclor 1016	<76.3	76.3	ug/kg dry	VM	07/05/12 15:21	SW 3545, 8082	
Aroclor 1221	<117	117	"	VM	"	"	
Aroclor 1232	<84.5	84.5	"	VM	"	"	
Aroclor 1242	<117	117	"	VM	"	"	
Aroclor 1248	<70.4	70.4	"	VM	"	"	
Aroclor 1254	<35.2	35.2	"	VM	"	"	
Aroclor 1260	<117	117	"	VM	"	"	

Analytical Chemists Laboratory, LLC.

  
Joseph P. Shaulys

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Hydro Tech Environmental  
15 Ocean Avenue, 2nd Floor  
Brooklyn NY, 11225

Project: #120130 -15-29 Renwick St. NY NY  
Project Number: [none]  
Project Manager: Paul Matli

Reported:  
07/09/12 18:09

### Notes and Definitions

- QM-11 The recovery of spiked analytes in the LCS associated with the sample was above the QC limits. Reported results may be high biased.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- O-04 This sample was analyzed outside the EPA recommended holding time.
- SM Standard Methods for the Examination of Water and Wastewater , 18th edition.
- EPA 40 Code of Federal Regulations, Part 136, October 26, 1984.
- SW SW 846 3rd Edition.
- LT Lachat Method Manual, "Methods List for Automated Ion Analyzers" ,February 2004.
- dry Sample results reported on a dry weight basis.



**Appendix-F**  
**Laboratory Data Deliverables for Groundwater Analytical Data**  
**(See Previous Investigations on CD-ROM)**

**Appendix-G**  
**Laboratory Data 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: Paul Matli**

Report Date: 07/10/2012

**Client Project ID: #120130 15-29 Renwick St NY NY**

York Project (SDG) No.: 12G0100

CT License No. PH-0723

New Jersey License No. CT-005



New York License No. 10854

PA License No. 68-04440

**Hydro Tech Environmental (Brooklyn)**

15 Ocean Avenue  
Brooklyn NY, 11225  
Attention: Paul Matli

---

**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 03, 2012 and listed below. The project was identified as your project: **#120130 15-29 Renwick St NY NY**.

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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
12G0100-01	SV-1	Soil Vapor	07/02/2012	07/03/2012
12G0100-02	SV-2	Soil Vapor	07/02/2012	07/03/2012
12G0100-03	SV-3	Soil Vapor	07/02/2012	07/03/2012
12G0100-04	SV-4	Soil Vapor	07/02/2012	07/03/2012
12G0100-05	SV-5	Soil Vapor	07/02/2012	07/03/2012
12G0100-06	OA-1	Outdoor Ambient Air	07/02/2012	07/03/2012

## **General Notes for York Project (SDG) No.: 12G0100**

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:** 07/10/2012

Robert Q. Bradley  
Executive Vice President / Laboratory Director

**YORK**

## Sample Information

**Client Sample ID:** SV-1

**York Sample ID:** 12G0100-01

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	2.3	13	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	3.9	16	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	18	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	3.2	13	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.2	9.6	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.4	9.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	3.9	18	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.4	58	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	18	18	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.6	14	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	2.3	9.6	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	2.4	11	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.8	17	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.5	23	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.5	10	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.6	14	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.1	14	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	7.7	85	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
78-93-3	<b>2-Butanone</b>	<b>970</b>		ug/m <sup>3</sup>	2.8	7.0	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
591-78-6	<b>2-Hexanone</b>	<b>260</b>		ug/m <sup>3</sup>	5.3	19	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	3.5	9.7	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
67-64-1	<b>Acetone</b>	<b>2600</b>		ug/m <sup>3</sup>	4.4	14	58.325	EPA TO-15	07/05/2012 09:00	07/06/2012 10:30	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	1.1	7.6	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.5	12	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	3.5	15	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	4.4	25	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.1	9.2	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	0.89	7.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	1.8	7.5	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.0	11	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.75	6.3	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	1.7	12	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	1.5	4.9	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.6	9.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD

## Sample Information

**Client Sample ID:** SV-1

**York Sample ID:** 12G0100-01

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	2.7	11	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.98	8.2	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	19	19	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	2.9	12	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	2.1	8.5	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	1.9	10	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	4.6	25	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
67-63-0	<b>Isopropanol</b>	<b>120</b>		ug/m <sup>3</sup>	2.0	5.8	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	9.7	9.7	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.0	8.5	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-09-2	<b>Methylene chloride</b>	<b>26</b>		ug/m <sup>3</sup>	2.0	8.2	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
142-82-5	<b>n-Heptane</b>	<b>16</b>		ug/m <sup>3</sup>	1.2	9.7	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
110-54-3	<b>n-Hexane</b>	<b>35</b>		ug/m <sup>3</sup>	1.0	8.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
95-47-6	<b>o-Xylene</b>	<b>21</b>		ug/m <sup>3</sup>	1.9	10	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
1330-20-7P/M	<b>p- &amp; m- Xylenes</b>	<b>41</b>		ug/m <sup>3</sup>	3.5	10	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	2.1	58	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	1.9	4.1	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.8	10	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	1.9	16	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.7	7.0	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
108-88-3	<b>Toluene</b>	<b>40</b>		ug/m <sup>3</sup>	2.1	8.9	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.1	9.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	1.9	11	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	1.5	6.4	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	0.80	13	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.3	17	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.5	12	23.33	EPA TO-15	07/05/2012 09:00	07/05/2012 23:12	TD

## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 12G0100-02

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 12G0100-02

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	2.4	13	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	4.0	17	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.3	19	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	3.3	13	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.2	9.9	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.5	9.7	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	4.0	18	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.4	60	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	19	19	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.7	15	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	2.4	9.9	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	2.5	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	2.9	17	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.6	24	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.6	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.7	15	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.2	15	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	8.0	88	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
78-93-3	<b>2-Butanone</b>	<b>800</b>		ug/m <sup>3</sup>	2.9	7.2	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
591-78-6	<b>2-Hexanone</b>	<b>200</b>		ug/m <sup>3</sup>	5.5	20	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	3.6	10	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
67-64-1	<b>Acetone</b>	<b>1000</b>		ug/m <sup>3</sup>	4.5	15	60.275	EPA TO-15	07/05/2012 09:00	07/06/2012 09:30	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	1.2	7.8	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.5	13	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	3.7	15	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	4.6	25	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.1	9.5	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-15-0	<b>Carbon disulfide</b>	<b>17</b>		ug/m <sup>3</sup>	0.92	7.6	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	1.9	7.7	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.0	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.78	6.5	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	1.8	12	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	1.5	5.1	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.7	9.7	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.8	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD

## Sample Information

**Client Sample ID:** SV-2

**York Sample ID:** 12G0100-02

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	1.0	8.4	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	20	20	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	3.0	12	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	2.2	8.8	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	1.9	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	4.7	26	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
67-63-0	<b>Isopropanol</b>	<b>48</b>		ug/m <sup>3</sup>	2.1	6.0	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	10	10	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.1	8.8	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-09-2	<b>Methylene chloride</b>	<b>10</b>		ug/m <sup>3</sup>	2.0	8.5	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
142-82-5	<b>n-Heptane</b>	<b>14</b>		ug/m <sup>3</sup>	1.2	10	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
110-54-3	<b>n-Hexane</b>	<b>10</b>		ug/m <sup>3</sup>	1.0	8.6	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	1.9	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m <sup>3</sup>	3.6	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	2.2	60	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	1.9	4.2	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	1.9	10	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	2.0	17	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	1.8	7.2	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
108-88-3	<b>Toluene</b>	<b>27</b>		ug/m <sup>3</sup>	2.2	9.2	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.2	9.7	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.0	11	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	1.6	6.6	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	0.83	14	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.3	17	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.5	13	24.11	EPA TO-15	07/05/2012 09:00	07/05/2012 23:57	TD

## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 12G0100-03

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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
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## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 12G0100-03

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	3.0	17	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	5.1	21	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.7	24	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	4.2	17	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.5	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.8	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	5.0	23	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.8	76	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	24	24	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	4.6	19	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	3.0	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	3.1	14	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	3.7	22	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	2.0	30	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	2.0	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.3	19	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	4.1	19	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	10	110	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
78-93-3	<b>2-Butanone</b>	<b>960</b>		ug/m <sup>3</sup>	3.6	9.1	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
591-78-6	<b>2-Hexanone</b>	<b>210</b>		ug/m <sup>3</sup>	7.0	25	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	4.6	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
67-64-1	<b>Acetone</b>	<b>2300</b>		ug/m <sup>3</sup>	5.7	18	75.9	EPA TO-15	07/05/2012 09:00	07/06/2012 11:15	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	1.5	9.9	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.9	16	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	4.6	19	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	5.7	32	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.4	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	1.2	9.6	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	2.3	9.7	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.6	14	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.98	8.1	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	2.3	15	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	1.9	6.4	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	2.1	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD

## Sample Information

**Client Sample ID:** SV-3

**York Sample ID:** 12G0100-03

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	3.5	14	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	1.3	11	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	25	25	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	3.8	15	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	2.8	11	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	2.4	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	5.9	33	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
67-63-0	<b>Isopropanol</b>	<b>110</b>		ug/m <sup>3</sup>	2.7	7.6	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	13	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.3	11	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-09-2	<b>Methylene chloride</b>	<b>15</b>		ug/m <sup>3</sup>	2.6	11	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
142-82-5	<b>n-Heptane</b>	<b>20</b>		ug/m <sup>3</sup>	1.5	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
110-54-3	<b>n-Hexane</b>	<b>19</b>		ug/m <sup>3</sup>	1.3	11	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	2.4	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
1330-20-7P/M	<b>p- &amp; m- Xylenes</b>	<b>34</b>		ug/m <sup>3</sup>	4.6	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	2.7	76	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	2.4	5.3	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	2.4	13	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	2.5	21	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	2.3	9.1	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
108-88-3	<b>Toluene</b>	<b>34</b>		ug/m <sup>3</sup>	2.8	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.5	12	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.5	14	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	2.0	8.3	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	1.0	17	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.6	22	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.9	16	30.36	EPA TO-15	07/05/2012 09:00	07/06/2012 00:42	TD

## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 12G0100-04

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 12G0100-04

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	2.8	16	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	4.7	20	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.5	22	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	3.9	16	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.4	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.7	11	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	4.6	21	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.7	70	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	22	22	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	4.3	17	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	2.8	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	2.9	13	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	3.4	20	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.8	28	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.9	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.1	17	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.8	17	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	9.2	100	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
78-93-3	<b>2-Butanone</b>	<b>1200</b>		ug/m <sup>3</sup>	3.4	8.4	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
591-78-6	<b>2-Hexanone</b>	<b>290</b>		ug/m <sup>3</sup>	6.4	23	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	4.2	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
67-64-1	<b>Acetone</b>	<b>3700</b>	E	ug/m <sup>3</sup>	5.2	17	70	EPA TO-15	07/05/2012 09:00	07/06/2012 11:59	TD
71-43-2	<b>Benzene</b>	<b>120</b>		ug/m <sup>3</sup>	1.4	9.1	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.8	15	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	4.2	18	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	5.3	29	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.3	11	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-15-0	<b>Carbon disulfide</b>	<b>26</b>		ug/m <sup>3</sup>	1.1	8.9	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	2.1	9.0	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.4	13	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.90	7.5	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	2.1	14	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
74-87-3	<b>Chloromethane</b>	<b>17</b>		ug/m <sup>3</sup>	1.8	5.9	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.9	11	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	3.2	13	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD

## Sample Information

**Client Sample ID:** SV-4

**York Sample ID:** 12G0100-04

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	1.2	9.8	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	23	23	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	3.5	14	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	2.6	10	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
100-41-4	<b>Ethyl Benzene</b>	<b>25</b>		ug/m <sup>3</sup>	2.2	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	5.5	30	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
67-63-0	<b>Isopropanol</b>	<b>180</b>		ug/m <sup>3</sup>	2.4	7.0	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	12	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.2	10	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-09-2	<b>Methylene chloride</b>	<b>19</b>		ug/m <sup>3</sup>	2.4	9.9	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
142-82-5	<b>n-Heptane</b>	<b>29</b>		ug/m <sup>3</sup>	1.4	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
110-54-3	<b>n-Hexane</b>	<b>37</b>		ug/m <sup>3</sup>	1.2	10	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
95-47-6	<b>o-Xylene</b>	<b>25</b>		ug/m <sup>3</sup>	2.2	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
1330-20-7P/M	<b>p- &amp; m- Xylenes</b>	<b>52</b>		ug/m <sup>3</sup>	4.2	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	2.5	70	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	2.3	4.9	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	2.2	12	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
127-18-4	<b>Tetrachloroethylene</b>	<b>46</b>		ug/m <sup>3</sup>	2.3	19	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	2.1	8.4	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
108-88-3	<b>Toluene</b>	<b>80</b>		ug/m <sup>3</sup>	2.6	11	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.4	11	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.3	13	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
79-01-6	<b>Trichloroethylene</b>	<b>95</b>		ug/m <sup>3</sup>	1.8	7.7	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	0.96	16	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.5	20	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.7	15	28	EPA TO-15	07/05/2012 09:00	07/06/2012 01:28	TD

## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 12G0100-05

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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
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## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 12G0100-05

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	2.6	15	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	4.4	18	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	1.4	20	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	3.6	15	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	1.3	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	1.6	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	4.4	20	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.6	66	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	21	21	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	4.0	16	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	2.6	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	2.7	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	3.2	19	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	1.7	26	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	1.7	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	2.9	16	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	3.5	16	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	8.7	96	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
78-93-3	<b>2-Butanone</b>	<b>1100</b>		ug/m <sup>3</sup>	3.1	7.9	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
591-78-6	<b>2-Hexanone</b>	<b>290</b>		ug/m <sup>3</sup>	6.0	22	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	3.9	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
67-64-1	<b>Acetone</b>	<b>2100</b>		ug/m <sup>3</sup>	4.9	16	65.625	EPA TO-15	07/05/2012 09:00	07/06/2012 12:44	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	1.3	8.5	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	1.7	14	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	4.0	17	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	5.0	28	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	1.2	10	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-15-0	Carbon disulfide	ND		ug/m <sup>3</sup>	1.0	8.3	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	2.0	8.4	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	2.2	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.85	7.0	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	2.0	13	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
74-87-3	Chloromethane	ND		ug/m <sup>3</sup>	1.7	5.5	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.8	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD

## Sample Information

**Client Sample ID:** SV-5

**York Sample ID:** 12G0100-05

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Soil Vapor

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	3.0	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	1.1	9.2	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	21	21	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-71-8	Dichlorodifluoromethane	ND		ug/m <sup>3</sup>	3.3	13	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	2.4	9.6	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	2.1	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	5.1	28	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
67-63-0	<b>Isopropanol</b>	<b>120</b>		ug/m <sup>3</sup>	2.3	6.6	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	11	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	1.2	9.6	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-09-2	<b>Methylene chloride</b>	<b>10</b>		ug/m <sup>3</sup>	2.2	9.3	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
142-82-5	<b>n-Heptane</b>	<b>16</b>		ug/m <sup>3</sup>	1.3	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
110-54-3	n-Hexane	ND		ug/m <sup>3</sup>	1.1	9.4	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
95-47-6	<b>o-Xylene</b>	<b>17</b>		ug/m <sup>3</sup>	2.1	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
1330-20-7P/M	<b>p- &amp; m- Xylenes</b>	<b>32</b>		ug/m <sup>3</sup>	3.9	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	2.4	66	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	2.1	4.6	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	2.0	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	2.2	18	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	2.0	7.9	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
108-88-3	<b>Toluene</b>	<b>26</b>		ug/m <sup>3</sup>	2.4	10	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	1.3	11	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	2.2	12	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	1.7	7.2	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m <sup>3</sup>	0.90	15	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	1.4	19	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	1.6	14	26.25	EPA TO-15	07/05/2012 09:00	07/06/2012 02:13	TD

## Sample Information

**Client Sample ID:** OA-1

**York Sample ID:** 12G0100-06

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Outdoor Ambient A

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

## Sample Information

**Client Sample ID:** OA-1

**York Sample ID:** 12G0100-06

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Outdoor Ambient A

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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		ug/m <sup>3</sup>	0.067	0.37	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m <sup>3</sup>	0.11	0.47	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m <sup>3</sup>	0.036	0.52	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
79-00-5	1,1,2-Trichloroethane	ND		ug/m <sup>3</sup>	0.092	0.37	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-34-3	1,1-Dichloroethane	ND		ug/m <sup>3</sup>	0.033	0.27	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-35-4	1,1-Dichloroethylene	ND		ug/m <sup>3</sup>	0.040	0.27	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m <sup>3</sup>	0.11	0.50	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.040	1.7	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
106-93-4	1,2-Dibromoethane	ND		ug/m <sup>3</sup>	0.52	0.52	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
95-50-1	1,2-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.10	0.41	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
107-06-2	1,2-Dichloroethane	ND		ug/m <sup>3</sup>	0.066	0.27	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
78-87-5	1,2-Dichloropropane	ND		ug/m <sup>3</sup>	0.069	0.31	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m <sup>3</sup>	0.081	0.47	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m <sup>3</sup>	0.043	0.67	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
106-99-0	1,3-Butadiene	ND		ug/m <sup>3</sup>	0.044	0.29	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
541-73-1	1,3-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.073	0.41	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
106-46-7	1,4-Dichlorobenzene	ND		ug/m <sup>3</sup>	0.090	0.41	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
123-91-1	1,4-Dioxane	ND		ug/m <sup>3</sup>	0.22	2.4	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
78-93-3	<b>2-Butanone</b>	<b>1.1</b>		ug/m <sup>3</sup>	0.080	0.20	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
591-78-6	2-Hexanone	ND		ug/m <sup>3</sup>	0.15	0.56	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
108-10-1	4-Methyl-2-pentanone	ND		ug/m <sup>3</sup>	0.10	0.28	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
67-64-1	<b>Acetone</b>	<b>11</b>		ug/m <sup>3</sup>	0.050	0.16	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
71-43-2	Benzene	ND		ug/m <sup>3</sup>	0.032	0.22	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
100-44-7	Benzyl chloride	ND		ug/m <sup>3</sup>	0.042	0.35	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-27-4	Bromodichloromethane	ND		ug/m <sup>3</sup>	0.10	0.42	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-25-2	Bromoform	ND		ug/m <sup>3</sup>	0.13	0.70	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
74-83-9	Bromomethane	ND		ug/m <sup>3</sup>	0.032	0.26	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-15-0	<b>Carbon disulfide</b>	<b>2.2</b>		ug/m <sup>3</sup>	0.025	0.21	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
56-23-5	Carbon tetrachloride	ND		ug/m <sup>3</sup>	0.051	0.21	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
108-90-7	Chlorobenzene	ND		ug/m <sup>3</sup>	0.056	0.31	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-00-3	Chloroethane	ND		ug/m <sup>3</sup>	0.021	0.18	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
67-66-3	Chloroform	ND		ug/m <sup>3</sup>	0.050	0.33	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
74-87-3	<b>Chloromethane</b>	<b>0.53</b>		ug/m <sup>3</sup>	0.042	0.14	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.046	0.27	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.077	0.31	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD

## Sample Information

**Client Sample ID:** OA-1

**York Sample ID:** 12G0100-06

York Project (SDG) No.  
12G0100

Client Project ID  
#120130 15-29 Renwick St NY NY

Matrix  
Outdoor Ambient A

Collection Date/Time  
July 2, 2012 3:00 pm

Date Received  
07/03/2012

**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
110-82-7	Cyclohexane	ND		ug/m <sup>3</sup>	0.028	0.23	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
124-48-1	Dibromochloromethane	ND		ug/m <sup>3</sup>	0.54	0.54	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-71-8	<b>Dichlorodifluoromethane</b>	<b>0.91</b>		ug/m <sup>3</sup>	0.084	0.34	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
141-78-6	Ethyl acetate	ND		ug/m <sup>3</sup>	0.061	0.24	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
100-41-4	Ethyl Benzene	ND		ug/m <sup>3</sup>	0.053	0.29	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
87-68-3	Hexachlorobutadiene	ND		ug/m <sup>3</sup>	0.13	0.72	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
67-63-0	Isopropanol	ND		ug/m <sup>3</sup>	0.058	0.17	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
80-62-6	Methyl Methacrylate	ND		ug/m <sup>3</sup>	0.28	0.28	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m <sup>3</sup>	0.029	0.24	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-09-2	<b>Methylene chloride</b>	<b>1.3</b>		ug/m <sup>3</sup>	0.057	0.24	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
142-82-5	n-Heptane	ND		ug/m <sup>3</sup>	0.033	0.28	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
110-54-3	<b>n-Hexane</b>	<b>0.96</b>		ug/m <sup>3</sup>	0.029	0.24	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
95-47-6	o-Xylene	ND		ug/m <sup>3</sup>	0.053	0.29	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
1330-20-7P/M	p- & m- Xylenes	ND		ug/m <sup>3</sup>	0.10	0.29	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
622-96-8	p-Ethyltoluene	ND		ug/m <sup>3</sup>	0.060	1.7	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
115-07-01	Propylene	ND		ug/m <sup>3</sup>	0.054	0.12	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
100-42-5	Styrene	ND		ug/m <sup>3</sup>	0.052	0.29	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
127-18-4	Tetrachloroethylene	ND		ug/m <sup>3</sup>	0.055	0.46	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
109-99-9	Tetrahydrofuran	ND		ug/m <sup>3</sup>	0.050	0.20	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
108-88-3	<b>Toluene</b>	<b>0.54</b>		ug/m <sup>3</sup>	0.061	0.26	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m <sup>3</sup>	0.032	0.27	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m <sup>3</sup>	0.055	0.31	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
79-01-6	Trichloroethylene	ND		ug/m <sup>3</sup>	0.044	0.18	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-69-4	<b>Trichlorofluoromethane (Freon 11)</b>	<b>0.53</b>		ug/m <sup>3</sup>	0.023	0.38	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
108-05-4	Vinyl acetate	ND		ug/m <sup>3</sup>	0.036	0.48	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD
75-01-4	Vinyl Chloride	ND		ug/m <sup>3</sup>	0.042	0.35	0.66666	EPA TO-15	07/05/2012 09:00	07/06/2012 03:06	TD

## Notes and Definitions

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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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
<hr/>	
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.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

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# Field Chain-of-Custody Record - AIR

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. 12G0100

**YOUR Information**

Company: Hydro tel Env.  
Address: 15 Ocean Ave.  
Phone No. Brooklyn NY  
Phone No. (718) 686-0826  
Contact Person: Paul  
E-Mail Address: Paul@hydrotel.com

**Report To:**

Company: SAME  
Address: \_\_\_\_\_  
Phone No. \_\_\_\_\_  
Attention: \_\_\_\_\_  
E-Mail Address: \_\_\_\_\_

**Invoice To:**

Company: same  
Address: 15-21 Remwick st  
Phone No. NY NY  
Attention: Mushie  
E-Mail Address: \_\_\_\_\_

**YOUR Project ID**

# 120130  
15-21 Remwick st  
NY NY  
Purchase Order No. 5155  
Samples from: CT NY NJ

**Turn-Around Time**

RUSH - Same Day   
RUSH - Next Day   
RUSH - Two Day   
RUSH - Three Day   
RUSH - Four Day   
Standard(5-7 Days)

**Report Type/Deliverables**

Summary Report \_\_\_\_\_  
Summary w/ QA Summary \_\_\_\_\_  
CT RCP Package \_\_\_\_\_  
NY ASP A Package \_\_\_\_\_  
NY ASP B/CLP Pkg \_\_\_\_\_  
NJDEP Reduced \_\_\_\_\_  
Electronic Deliverables: \_\_\_\_\_  
EDD (Specify Type) \_\_\_\_\_  
Standard Excel \_\_\_\_\_  
Regulatory Comparison Excel \_\_\_\_\_

**Air Matrix Codes**

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

**Air Matrix**

AI- \_\_\_\_\_  
AO- \_\_\_\_\_  
AE- \_\_\_\_\_  
AS- \_\_\_\_\_

**IO15 Volatiles and Other Gas Analyses**

EPA TO-14A List \_\_\_\_\_  
Tentatively Identified Compounds \_\_\_\_\_

**Detection Limits Required**

≤ 1 ug/m<sup>3</sup> \_\_\_\_\_  
NYSDEC VI Limits \_\_\_\_\_  
NJDEP low level \_\_\_\_\_  
Routine Survey \_\_\_\_\_  
Other: < 0.5 ug/m<sup>3</sup>

**Special Instructions**

**Special Instructions**

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analytes Needed from the Menu Above and Enter Below	Sampling Media
SU-1	7/2/12	AS	-27	-8	EPA TO-15	6 Liter Summa canister
SU-2	↓	↓	-30	-10	↓	Tedlar Bag
SU-3	↓	↓	-30	-14.5	↓	6 Liter Summa canister
SU-4	↓	↓	-30	-14	↓	Tedlar Bag
SU-5	↓	↓	-30	-11	↓	6 Liter Summa canister
OA-1	↓	AO	-30	-18.5	↓	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**

Alison 7-3-12  
Samples Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_  
10:40

Alison 7-3-12  
Samples Received By \_\_\_\_\_ Date/Time \_\_\_\_\_  
10:40

Alison 7-3-12 10:40 AM  
Samples Relinquished By \_\_\_\_\_ Date/Time \_\_\_\_\_  
10:40

Alison 7-3-12 16:30  
Samples Received in LAB by \_\_\_\_\_ Date/Time \_\_\_\_\_