

October 9, 2007

## **PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**Plaza at the Hub  
Bronx, New York**

*Prepared for*

**BA CYPRESS BRONX HOLDINGS, LLC  
15601 Dallas Parkway  
Suite 400  
Addison, Texas 75001**

**ROUX ASSOCIATES, INC.**

*Environmental Consulting & Management*

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*209 Shafter Street, Islandia, New York 11749 ♦ 631-232-2600*

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## **1.0 INTRODUCTION**

Roux Associates, Inc. (Roux Associates) has prepared this Phase II Environmental Site Assessment (ESA) Report on behalf of BA Cypress Bronx Holdings, LLC (Cypress) to present the results of the Phase II ESA performed at the Plaza at the Hub in the Bronx, New York, herein referred to as the Site (see Figure 1). The Phase II ESA was conducted in accordance with the Work Plan dated January 11, 2006 (Work Plan) for the Site and Addendum No. 1 to the Work Plan dated February 3, 2006, which were both approved by the New York City Department of Environmental Protection (NYCDEP) on February 8, 2006.

The purpose of the Phase II ESA was to evaluate the quality of both the soil that will be removed from the Site during construction of the building foundations and the soil that will remain below the proposed building foundations and an evaluation of groundwater beneath the Site as it may be encountered during construction. The Phase II scope of work involved performing a ground penetrating radar survey, investigation of former underground tunnels, and soil and groundwater sampling and analysis. This report contains a brief discussion of the site geologic setting and site history, a detailed description of the methodologies used to conduct the investigation, a summary of the findings of the investigation, and conclusions and recommendations.

### **1.1 Site Description and Geologic Setting**

The Site consists of three parcels in the Hub Section of the Bronx, New York. The three parcels are identified as Block 2294 to the south and Block 2361 to the north (which is divided into two parcels by East 152<sup>nd</sup> Street). The Site is bordered to the south by East 149<sup>th</sup> Street, to the north by East 153<sup>rd</sup> Street (Grove Street), to the east by Brook Avenue, and to the west by Bergen Avenue. The Site is divided by East 152<sup>nd</sup> Street and Westchester Avenue (see Figure 2). The area in which the Site is located consists of urban land containing mixed-use residential and commercial properties including warehouses and industrial facilities.

Based on data from a 2002 geotechnical investigation of the Site performed by Soil Mechanics Drilling Corp. (Soil Mechanics), soil from land surface to approximately 10 feet below land surface consists of assorted fill material such as brick, wood, glass, plastic, cloth, cinders, and metal. This was confirmed during Roux Associates' soil boring installations in 2006 and 2007 and by Mueser Rutledge Consulting Engineers' (MRCEs) test pits installed in September 2007.

Deeper soil consists of fine sand, silt, and gravel, with bedrock located at approximately 80 feet below land surface beneath Block 2294 and approximately 45 feet below land surface beneath Block 2361 (Soil Mechanics, 2002). The elevation of the Site is approximately 30 feet above mean sea level. Groundwater is located between 13 and 15 feet below land surface and flows in an easterly direction beneath the Site based on the results of a survey of Roux Associates' groundwater monitoring wells.

## **1.2 Site History**

The area around the Site has contained a mixture of residential and commercial properties since the late 1800s. The Site itself was occupied by both residential dwellings and commercial buildings and operations. The historical tenants included residences, a wagon house, lumberyard, laundry, movie theater, post office, garage, auto sales, woodworking, meatpacking and warehousing, and a gymnasium.

Block 2294 currently contains a two-story building used as a boxing gymnasium, three parking lots, elevated Interborough Rapid Transit (IRT) subway tracks, and a ground level subway tunnel entrance.

Both parcels of Block 2361 are currently void of building structures and covered by moderately dense vegetation such as weeds, bushes, and several trees. Both parcels on Block 2361 are secured by a chain-link fence around the perimeter.

## **2.0 PHASE II SCOPE OF WORK**

The Phase II scope of work involved performing a ground penetrating radar survey, investigation of former underground tunnels, and soil and groundwater sampling and analysis. The Phase II ESA was completed in two stages. A limited Phase II ESA was performed in February 2006 and a supplemental Phase II ESA was performed July through September 2007. Prior to conducting the Phase II ESA, Roux Associates prepared a Phase II ESA Work Plan dated January 11, 2006 (Work Plan) for the Site and Addendum No. 1 to the Work Plan dated February 3, 2006. The Work Plan and Addendum No. 1 were both approved by the New York City Department of Environmental Protection (NYCDEP) on February 8, 2006.

As directed by Cypress in February 2006, a limited portion of the scope of work was conducted at that time. The results of the limited Phase II ESA were reported to Cypress in Roux Associates' report entitled "Limited Phase II Environmental Site Assessment Summary Report, Plaza at the Hub" dated March 7, 2006. The remainder of the NYCDEP-approved scope of work was performed during July through September 2007. This report summarizes all of the data acquired as a result of the limited Phase II ESA performed in February 2006 and supplemental Phase II ESA performed July through September 2007.

### **2.1 Ground Penetrating Radar Survey**

In accordance with the NYCDEP-approved Work Plan, a non-intrusive subsurface investigation using ground penetrating radar (GPR) was conducted. The purpose of the GPR survey was to (1) provide utility clearance prior to installation of the soil borings and groundwater monitoring wells; (2) scan the Site for potential underground storage tanks (USTs) associated with past building structures onsite; and (3) confirm the location of historic tunnels that may exist beneath the northeast side of the Site. The GPR survey utilized several instruments representing the best available technology including a Fisher TW-6 electromagnetic (EM) pipe and cable locator, a Radiodetection RD400 PDL-2 RD433 HCTx-2 multi-frequency pipe and cable locator, and a GSSI SIR-2000 ground penetrating radar (GPR) system. The GPR survey was performed, to the extent possible, onsite along the sidewalks and across the portion of East 152nd Street that will be included in the redevelopment.

## **2.2 Tunnel Investigation**

Historically, five subsurface tunnels were located on the north east side of the Site (Block 2361). According to historical Sanborn Fire Insurance maps, the tunnels extended from Block 2361, beneath Brook Avenue, and terminated at the former New York Central Rail Yard (currently a sports field) on the east side of Brook Avenue. Because the tunnels extended to the east side of the Site and may have been filled with material of unknown quality, test pits were excavated at the tunnel entrances using a back-hoe and visually inspected for potential environmental impacts.

## **2.3 Soil Boring and Sampling**

In accordance with the NYCDEP-approved Work Plan, Roux Associates installed a total of 19 soil borings at the Site. The rationale for the soil boring locations and depths was based on the findings of Roux Associates' Phase I ESA of the Site conducted in September 2005 and proposed redevelopment plans provided to Roux Associates by Cypress on November 22, 2005. Five of the soil borings were installed using a track-mounted GeoProbe drilling unit utilizing direct push technology. Due to difficult drilling conditions resulting from buried debris, the remaining 14 soil borings were installed using a truck-mounted hollow-stem auger rig. Soil samples collected using the GeoProbe were collected using a 4-foot long macro-core and soil samples collected using the hollow stem auger were collected using split spoon samplers. Soil samples were collected continuously from land surface to the water table (between 13 and 15 feet below land surface). Each 4-foot macro-core interval was collected in a dedicated acetate sleeve. After each 4-foot soil interval was collected, the acetate sleeve was laid on a piece of polyethylene sheeting and cut open. The 4-foot macrocore samples were then separated into 2-foot sample increments. The soil samples collected using the hollow stem auger were collected continuously using 2-foot split spoon samplers.

All of the soil samples were examined in the field for suspect physical characteristics (i.e., odor, sheen, unusual staining, etc.). The soil samples were also screened in the field for volatile organic compounds (VOCs) using a photoionization detector (PID). The PID readings were recorded in a field logbook. All non-disposable field equipment used during the soil boring and sampling were decontaminated between each soil boring location using a laboratory grade detergent wash and potable water rinse to avoid cross contamination. All decontamination

wastewater generated during the soil boring and sampling was containerized in a 55-gallon drum, which was labeled and stored onsite pending laboratory analysis for proper disposal offsite.

In order to evaluate the quality of both the soil that will be removed from the Site during construction of the building foundations and soil that will remain below the proposed building foundations, two soil samples (one from within the depth of proposed foundation [shallow] and one from below the depth of the proposed foundation [deep]) were selected from each of the 19 soil borings to be submitted for laboratory analysis. A total of 19 soil borings (SB-1 through SB-19) were drilled across the Site with a total of 36 soil samples collected and submitted for laboratory analyses. Only one soil sample was collected from SB-5 (deep) due to a void at depth, and only one soil sample was collected from SB-19 (shallow) due to poor recovery.

#### **2.4 Monitoring Well Installation and Groundwater Sampling**

In accordance with the NYCDEP-approved Work Plan, during the installation of the soil borings, five of the 19 soil borings were converted to monitoring wells. The wells are identified as SB-3P (MW-1), SB-10P (MW-2), SB-7P, SB-14P, and MR-154. The wells were constructed of two-inch diameter 10-slot PVC well screen and PVC riser pipe. The screens were installed such that they intersect the water table and extend to at least five feet below the water table. The wells located on Block 2294 were finished with a curb-box flush with grade due to the active use of the block for parking cars. The wells on block 2361 were each finished with a PVC standpipe. One of the groundwater monitoring wells (SB-5P) penetrated a subsurface void and was replaced by monitoring well MR-154, installed by Mueser Rutledge Consulting Engineers (MRCE) under direct supervision of Roux Associates personnel. Two of the wells (SB-3P and SB-10P) were installed and sampled in 2005. These wells were re-sampled along with the three new wells in 2007 for completeness.

Prior to collecting the samples, the monitoring wells were surveyed and groundwater level measurements were collected from each of the wells to be used for determining groundwater elevation and flow direction. A groundwater flow direction map showing the monitoring well location and elevation is provided as Figure 3. In accordance with the NYCDEP-approved Work Plan, the groundwater samples were collected two weeks after well development. The monitoring wells were purged using a peristaltic pump with dedicated tubing operating at low



flow to minimize sample disturbance. A minimum of three well casing volumes were purged from each monitoring well prior to collection of the groundwater sample. Wastewater generated during the development and purging of the monitoring wells and during decontamination of the sampling equipment were containerized in a 55-gallon drum, labeled, and stored onsite for proper disposal offsite. Soil boring and well construction logs are provided in Appendix A.

## **2.5 Laboratory Analysis**

In accordance with the NYCDEP-approved Work Plan, the soil and groundwater samples were stored on ice in a cooler and transported under chain of custody procedures to Test America Laboratories, Inc. (formerly Severn Trent Laboratories) in Shelton, Connecticut. Test America Laboratories is a New York State Department of Health (NYSDOH)-approved Environmental Laboratory Approval Program (ELAP) laboratory. The samples were analyzed for VOCs using U.S. Environmental Protection Agency (USEPA) Method 8260, semi-volatile organic compounds (SVOCs) using USEPA Method 8270, polychlorinated biphenyls (PCBs) using USEPA Method 8081, and target analyte metals using USEPA Method 200.7 (groundwater) and SW 6010 (soil). Additionally, three of the shallow soil samples and two groundwater samples were analyzed for pesticides and herbicides using USEPA method 8082. An inventory of the soil and groundwater samples, dates collected, and analyses conducted is provided in Appendix B. Chains of Custody forms are provided in Appendix C.

In accordance with the NYCDEP-approved Work Plan and a conversation with Mr. Wuthenow of the NYCDEP, the laboratory results of the soil samples were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Objectives (RSCOs). Because the soil samples were composited from land surface to depth (with the bulk of the sample from subsurface soil), the subsurface PCB value was used as a comparison. The laboratory results of the groundwater samples were compared to the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). All laboratory data was reported in the NYSDEC Category B format. In accordance with the NYCDEP-approved Work Plan, field blanks and trip blanks were included in the sampling protocol for quality assurance/quality control (QA/QC).

### **3.0 FINDINGS**

The findings of the Phase II ESA are discussed below.

#### **3.1 Ground Penetrating Radar Survey Results**

The GPR survey successfully cleared the soil boring locations; however, due to the large amount of buried debris throughout the Site, subsurface structures such as USTs and the former underground tunnels were not able to be identified. Based on observations during subsequent drilling of soil borings, the nature of the debris consisted of brick, concrete, asphalt, ceramic tile, slag, wood, rubber, cobbles, cinders, and previous building foundations and structures, some of which are visible at the surface. Because the large amount of debris limited the effectiveness of the GPR instruments, as an added measure of safety, all soil boring and monitoring well locations were manually hand-cleared to a depth of five feet below grade. Although the GPR was not effective in identifying USTs due to the large amount of subsurface debris, it should be noted that Roux Associates installed 19 soil borings and MRCE installed approximately 65 soil borings across the Site, and there were no indications of USTs, significantly stained soil, odors, or evidence of contamination.

Based on a review of the proposed redevelopment plans provided to Roux Associates by Cypress on November 22, 2005, which show the elimination of, and development over, what is currently East 152<sup>nd</sup> Street, the GPR survey also included the length and width of East 152<sup>nd</sup> Street. Numerous buried water, electric, and sanitary lines were identified. A diagram identifying each utility line and their locations is provided in Appendix D.

#### **3.2 Subsurface Tunnel Investigation Results**

Using a backhoe, the entrances to all five former subsurface tunnels on the east side of Block 2361 were located. Three of the five tunnel entrances were sealed with concrete-block and one was sealed with dirt, brick, and assorted debris. These four tunnels were not disturbed. The one tunnel that was not sealed was entered and inspected. Various debris such as old metal racks and dollies were present; however, no observations of environmental significance were noted. The excavated soil was replaced to grade.

### **3.3 Soil Sampling Results**

No VOCs were detected in the soil samples at concentrations exceeding their respective NYSDEC RSCOs. Several SVOCs were detected in the soil samples at concentrations exceeding their respective NYSDEC RSCOs. The elevated SVOCs were found in 26 of the 36 samples (17 of the shallow samples and 9 of the deep samples). The SVOCs were predominantly polyaromatic hydrocarbons (PAHs), which are compounds typically found in historic urban fill in New York City. The elevated SVOCs were predominantly found in the shallow samples, indicating that the probable source is the historic urban fill material at the Site. The soil samples did not exceed the NYSDEC RSCO for PCBs in subsurface soil, nor did the soil samples exceed the NYSDEC RSCOs for herbicides and pesticides. Several metals were detected in the soil samples at concentrations exceeding their respective NYSDEC RSCOs. The metals included barium, calcium, chromium, copper, iron, lead, magnesium, mercury, nickel, and zinc. The analytical results for the soil samples are provided in Tables 1 through 5.

### **3.4 Groundwater Sampling Results**

Four of the five groundwater samples contained no VOCs at concentrations above NYSDEC AWQSGVs. One groundwater sample (SP-3, also referred to as MW-1 in the March 2006 Roux Associates report) contained 72 micrograms per liter ( $\mu\text{g/L}$ ) of tetrachloroethene (TCE) as compared to a NYSDEC AWQSGV of 0.7  $\mu\text{g/L}$  and 5.4  $\mu\text{g/L}$  of cis-1,2-dichloroethene (1,2-DCE) as compared to a NYSDEC AWQSGV of 5.0  $\mu\text{g/L}$ . 1,2-DCE is a degradation product of TCE. In Roux Associates' March 2006 sampling event, the groundwater sample from this monitoring well contained TCE at 8.4  $\mu\text{g/L}$ . No onsite source of the TCE has been identified.

The analytical results from the groundwater samples indicated the presence of SVOCs (predominantly PAHs as in the soil samples) at concentrations exceeding their respective NYSDEC AWQSGVs in several of the samples. No pesticides, or herbicides were detected at concentrations above their respective NYSDEC AWQSGVs in any of the samples. With the exception of the groundwater sample from MR-154, none of the groundwater samples contained PCBs at concentrations above its NYSDEC AWQSGVs. The groundwater sample from MR0154 contained PCBs at a concentration of 0.21  $\mu\text{g/L}$  compared to the NYSDEC AWQSGV of 0.09  $\mu\text{g/L}$ .

Several metals were detected in the groundwater samples at concentrations exceeding their respective NYSDEC AWQSGVs. The metals included barium, cadmium, chromium, copper, lead, manganese, nickel, and sodium. Most of these metals were also identified in the soil samples. Some of the metals detected in groundwater may be a result of naturally occurring metals in the sand unit below the fill, or attributable to their presence in the fill material onsite. Groundwater results are provided in Tables 6 through 10.

#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Roux Associates concludes that historic fill material underlies the entire site and is impacted by SVOCs and metals. In the event that soil (including historic fill material) is disturbed as part of the site redevelopment activities, Roux Associates recommends the proper handling and management of excavated material. Construction activities involving the disturbance of soil could include activities such as the installation of piles and footings. The recommended procedures are described below.

During the course of work at the Site, it may be necessary to temporarily stockpile excavated soil in advance of disposal. All stockpiled material will be covered with polyethylene (poly) sheeting with a minimum thickness of 4 millimeters (4 mil). These stockpiles were covered in order to limit precipitation from contacting the soil and to avoid the generation of dust from soil. Covered stockpiles will be inspected daily to ensure that there has not been any damage to the poly sheeting and that the stockpile is still adequately covered.

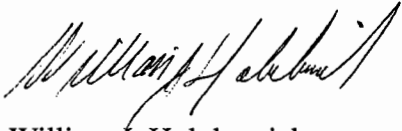
Prior to the start of excavation, all materials will be sampled at a frequency sufficient to meet disposal facility requirements. The material will be loaded directly into trucks after excavation (unless site conditions and daily production require temporary stockpiling) and transported to an offsite disposal facility. The material will be shipped by a licensed hauler in accordance with all applicable federal, state, and local regulation. Each shipment will be transported under a waste manifest/bill of lading or other appropriate documentation based upon pre-characterization results. Any contaminated materials will be properly disposed of at a permitted offsite Treatment, Storage and Disposal Facility (TSDF). Before any transport vehicle leaves the site, the sides and wheels will be inspected. If any soils are observed on the wheels or body of the truck, they will be removed using a shovel, broom, and/or other hand tools in a designated vehicle cleaning area. This will reduce the potential for disposal trucks to spread site-derived material onto the public streets.

Although not anticipated, any landscaped areas created during the redevelopment not covered by asphalt or building structures will be constructed of two feet of certified clean fill/top soil imported from an approved source. The clean fill/top soil will be segregated at the source/facility and samples will be collected by qualified environmental personnel. This clean

fill/top soil will be compromised of any construction and/or demolition debris. Clean fill/top soil samples will be collected at a frequency of one sample per 250 cubic yards and each sample will be analyzed for TCL VOCs, SVOCs, pesticides, PCBs, and Target Analyte List (TAL) metals by a New York State Department of Health (NYSDOH) Environmental Laboratories Accreditation Program certified laboratory. The Contractor will not transport the clean fill/top soil to the Site until the Owner's Representative receives written approval from the NYCDEP.

Respectfully submitted,

ROUX ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "William J. Holubowich". The signature is fluid and cursive, with a prominent initial "W".

William J. Holubowich  
Senior Scientist

A handwritten signature in black ink, appearing to read "Joseph Duminuco". The signature is bold and cursive, with a prominent initial "J".

Joseph Duminuco  
Principal Hydrogeologist/  
Vice President

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3P	SB-3P DUP
		Sample Date:	02/17/06	02/17/06	07/25/07	07/25/07	02/16/06	02/16/06
		Sample Depth (ft bls):	8-10	13-15	0-4	12-14	0-4	0-4
1,1,1-Trichloroethane	800		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,1,2,2-Tetrachloroethane	600		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,1,2-Trichloroethane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,1-Dichloroethane	200		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,1-Dichloroethene	400		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,2-Dichloroethane	100		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
1,2-Dichloropropane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
2-Butanone (MEK)	300		11 U	11 U	12 U	13 U	13 U	13 U
2-Hexanone	--		11 U	11 U	12 U	13 U	13 U	13 U
4-Methyl-2-pentanone	--		11 U	11 U	5.9 U	6.5 U	13 U	13 U
Acetone	200		9.3 JB	23 UB	24 U	31	23 JB	25 UB
Benzene	60		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Bromodichloromethane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Bromoform	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Bromomethane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Carbon disulfide	2700		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Carbon tetrachloride	600		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Chlorobenzene	1700		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Chloroethane	1900		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Chloroform	300		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Chloromethane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
cis-1,2-Dichloroethene	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
cis-1,3-Dichloropropene	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Dibromochloromethane	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Ethylbenzene	5500		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Methylene chloride	100		22 UB	8.2 JB	5.1 JB	5.7 JB	7.6 JB	7.5 JB
Styrene	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U



Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3P	SB-3P DUP
		Sample Date:	02/17/06	02/17/06	07/25/07	07/25/07	02/16/06	02/16/06
		Sample Depth (ft bls):	8-10	13-15	0-4	12-14	0-4	0-4
Tetrachloroethene	1400		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Toluene	1500		5.5 U	5.7 U	1.1 <b>JB</b>	1.1 <b>JB</b>	6.3 U	6.4 U
trans-1,2-Dichloroethene	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
trans-1,3-Dichloropropene	--		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Trichloroethene	700		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Vinyl chloride	200		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U
Xylenes (total)	1200		5.5 U	5.7 U	5.9 U	6.5 U	6.3 U	6.4 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-3P	SB-4	SB-4	SB-5P	SB-6	SB-6
		Sample Date:	02/16/06	07/30/07	07/30/07	07/27/07	02/15/06	02/15/06
		Sample Depth (ft bls):	14-16	0-4	10-12	0-4	0-4	14-16
1,1,1-Trichloroethane	800		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,1,2,2-Tetrachloroethane	600		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,1,2-Trichloroethane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,1-Dichloroethane	200		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,1-Dichloroethene	400		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,2-Dichloroethane	100		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
1,2-Dichloropropane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
2-Butanone (MEK)	300		12 U	11 U	11 U	12 U	12 U	11 U
2-Hexanone	--		12 U	11 U	11 U	12 U	12 U	11 U
4-Methyl-2-pentanone	--		12 U	5.7 U	5.6 U	6 U	12 U	11 U
Acetone	200		8 J	6.1 J	23 U	6.2 J	35 B	7.1 JB
Benzene	60		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Bromodichloromethane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Bromoform	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Bromomethane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Carbon disulfide	2700		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Carbon tetrachloride	600		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Chlorobenzene	1700		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Chloroethane	1900		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Chloroform	300		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Chloromethane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
cis-1,2-Dichloroethene	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
cis-1,3-Dichloropropene	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Dibromochloromethane	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Ethylbenzene	5500		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Methylene chloride	100		9.3 JB	4 JB	3.8 JB	4.9 JB	7.3 JB	7.8 JB
Styrene	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-3P	SB-4	SB-4	SB-5P	SB-6	SB-6
		Sample Date:	02/16/06	07/30/07	07/30/07	07/27/07	02/15/06	02/15/06
		Sample Depth (ft bls):	14-16	0-4	10-12	0-4	0-4	14-16
Tetrachloroethene	1400		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Toluene	1500		5.9 U	5.7 U	5.6 U	6 U	1.6 J	4.3 J
trans-1,2-Dichloroethene	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
trans-1,3-Dichloropropene	--		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Trichloroethene	700		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Vinyl chloride	200		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U
Xylenes (total)	1200		5.9 U	5.7 U	5.6 U	6 U	5.8 U	5.6 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-7P	SB-7P	SB-8	SB-8	SB-9	SB-9
		Sample Date:	07/26/07	07/26/07	07/26/07	07/26/07	02/15/06	02/15/06
		Sample Depth (ft bls):	0-4	12-15	0-4	10-14	4-6	14-16
1,1,1-Trichloroethane	800		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,1,2,2-Tetrachloroethane	600		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,1,2-Trichloroethane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,1-Dichloroethane	200		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,1-Dichloroethene	400		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,2-Dichloroethane	100		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
1,2-Dichloropropane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
2-Butanone (MEK)	300		11 U	12 U	12 U	12 U	12 U	12 U
2-Hexanone	--		11 U	12 U	12 U	12 U	12 U	12 U
4-Methyl-2-pentanone	--		5.7 U	6.2 U	5.9 U	5.8 U	12 U	12 U
Acetone	200		23 U	6.6 J	24 U	23 U	32 B	52 B
Benzene	60		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Bromodichloromethane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Bromoform	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Bromomethane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Carbon disulfide	2700		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Carbon tetrachloride	600		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Chlorobenzene	1700		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Chloroethane	1900		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Chloroform	300		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Chloromethane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
cis-1,2-Dichloroethene	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
cis-1,3-Dichloropropene	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Dibromochloromethane	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Ethylbenzene	5500		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Methylene chloride	100		5 JB	6.8 JB	24 U	5.9 JB	8.5 JB	6.5 JB
Styrene	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-7P	SB-7P	SB-8	SB-8	SB-9	SB-9
		Sample Date:	07/26/07	07/26/07	07/26/07	07/26/07	02/15/06	02/15/06
		Sample Depth (ft bls):	0-4	12-15	0-4	10-14	4-6	14-16
Tetrachloroethene	1400		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Toluene	1500		5.7 U	6.2 U	1.1 JB	5.8 U	1.6 J	6.1 U
trans-1,2-Dichloroethene	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
trans-1,3-Dichloropropene	--		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Trichloroethene	700		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Vinyl chloride	200		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U
Xylenes (total)	1200		5.7 U	6.2 U	5.9 U	5.8 U	6 U	6.1 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-10P	SB-10P	SB-11	SB-11	SB-12	SB-12
		Sample Date:	02/17/06	02/17/06	07/30/07	07/31/07	02/15/06	02/15/06
		Sample Depth (ft bls):	0-4	15-17	0-4	13-15	4-6	18-20
1,1,1-Trichloroethane	800		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,1,2,2-Tetrachloroethane	600		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,1,2-Trichloroethane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,1-Dichloroethane	200		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,1-Dichloroethene	400		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,2-Dichloroethane	100		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
1,2-Dichloropropane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
2-Butanone (MEK)	300		11 U	11 U	11 U	11 U	12 U	12 U
2-Hexanone	--		11 U	11 U	11 U	11 U	12 U	12 U
4-Methyl-2-pentanone	--		11 U	11 U	5.6 U	5.3 U	12 U	12 U
Acetone	200		120 B	23 UB	5.1 J	21 U	24 U	6.4 JB
Benzene	60		5.6 UH	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Bromodichloromethane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Bromoform	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Bromomethane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Carbon disulfide	2700		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Carbon tetrachloride	600		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Chlorobenzene	1700		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Chloroethane	1900		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Chloroform	300		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Chloromethane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
cis-1,2-Dichloroethene	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
cis-1,3-Dichloropropene	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Dibromochloromethane	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Ethylbenzene	5500		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Methylene chloride	100		9.1 JB	7.7 JB	4 JB	3.6 JB	8.2 JB	7.1 JB
Styrene	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-10P	SB-10P	SB-11	SB-11	SB-12	SB-12
		Sample Date:	02/17/06	02/17/06	07/30/07	07/31/07	02/15/06	02/15/06
		Sample Depth (ft bls):	0-4	15-17	0-4	13-15	4-6	18-20
Tetrachloroethene	1400		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Toluene	1500		5.6 U	5.7 U	5.6 U	5.3 U	6 U	2.9 J
trans-1,2-Dichloroethene	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
trans-1,3-Dichloropropene	--		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Trichloroethene	700		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Vinyl chloride	200		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U
Xylenes (total)	1200		5.6 U	5.7 U	5.6 U	5.3 U	6 U	5.9 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-13	SB-13	SB-14P	SB-14P	SB-15	SB-15
		Sample Date:	02/17/06	02/17/06	08/01/07	08/01/07	07/25/07	07/25/07
		Sample Depth (ft bls):	6-8	12-14	0-5	11-13	0-4	6-10
1,1,1-Trichloroethane	800		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,1,2,2-Tetrachloroethane	600		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,1,2-Trichloroethane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,1-Dichloroethane	200		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,1-Dichloroethene	400		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,2-Dichloroethane	100		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
1,2-Dichloropropane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
2-Butanone (MEK)	300		12 U	13 U	11 U	12 U	12 U	13 U
2-Hexanone	--		12 U	13 U	11 U	12 U	12 U	13 U
4-Methyl-2-pentanone	--		12 U	13 U	5.4 U	5.8 U	6.1 U	6.3 U
Acetone	200		21 JB	30 B	5.2 J	3.8 J	24 U	94
Benzene	60		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Bromodichloromethane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Bromoform	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Bromomethane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Carbon disulfide	2700		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Carbon tetrachloride	600		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Chlorobenzene	1700		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Chloroethane	1900		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Chloroform	300		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Chloromethane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
cis-1,2-Dichloroethene	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
cis-1,3-Dichloropropene	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Dibromochloromethane	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Ethylbenzene	5500		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Methylene chloride	100		8.6 JB	8.3 JB	2.8 JB	4.1 JB	4.5 JB	4.6 JB
Styrene	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U



Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-13	SB-13	SB-14P	SB-14P	SB-15	SB-15
		Sample Date:	02/17/06	02/17/06	08/01/07	08/01/07	07/25/07	07/25/07
		Sample Depth (ft bls):	6-8	12-14	0-5	11-13	0-4	6-10
Tetrachloroethene	1400		1.6 J	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Toluene	1500		6.1 U	6.4 U	5.4 U	5.8 U	1.2 JB	1.2 JB
trans-1,2-Dichloroethene	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
trans-1,3-Dichloropropene	--		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Trichloroethene	700		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Vinyl chloride	200		6.1 U	6.4 U	5.4 U	5.8 U	6.1 U	6.3 U
Xylenes (total)	1200		6.1 U	6.4 U	8.3	5.8 U	6.1 U	6.3 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
		Sample Date:	02/17/06	02/17/06	07/31/07	07/31/07	07/30/07	07/30/07
		Sample Depth (ft bls):	4-6	14-16	0-5	11-13	0-5	13-15
1,1,1-Trichloroethane	800		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,1,2,2-Tetrachloroethane	600		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,1,2-Trichloroethane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,1-Dichloroethane	200		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,1-Dichloroethene	400		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,2-Dichloroethane	100		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
1,2-Dichloropropane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
2-Butanone (MEK)	300		11 U	11 U	12 U	12 U	11 U	12 U
2-Hexanone	--		11 U	11 U	12 U	12 U	11 U	12 U
4-Methyl-2-pentanone	--		11 U	11 U	6 U	5.9 U	5.7 U	5.9 U
Acetone	200		9.9 JB	13 JB	23 J	44	4.2 J	24 U
Benzene	60		1.8 J	1.2 J	6 U	5.9 U	5.7 U	5.9 U
Bromodichloromethane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Bromoform	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Bromomethane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Carbon disulfide	2700		5.7 U	5.6 U	6 U	1.7 J	5.7 U	5.9 U
Carbon tetrachloride	600		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Chlorobenzene	1700		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Chloroethane	1900		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Chloroform	300		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Chloromethane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
cis-1,2-Dichloroethene	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
cis-1,3-Dichloropropene	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Dibromochloromethane	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Ethylbenzene	5500		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Methylene chloride	100		11 JB	9.3 JB	3.9 JB	4.7 JB	3.4 JB	3.7 JB
Styrene	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18
		Sample Date:	02/17/06	02/17/06	07/31/07	07/31/07	07/30/07	07/30/07
		Sample Depth (ft bls):	4-6	14-16	0-5	11-13	0-5	13-15
Tetrachloroethene	1400		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Toluene	1500		4.5 J	2.5 J	6 U	5.9 U	5.7 U	5.9 U
trans-1,2-Dichloroethene	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
trans-1,3-Dichloropropene	--		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Trichloroethene	700		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Vinyl chloride	200		5.7 U	5.6 U	6 U	5.9 U	5.7 U	5.9 U
Xylenes (total)	1200		5.7 U	5.6 U	6 U	5.9 U	3.1 J	5.9 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

**Bold** - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-19 07/31/07 13-15
1,1,1-Trichloroethane	800		5.5 U
1,1,2,2-Tetrachloroethane	600		5.5 U
1,1,2-Trichloroethane	--		5.5 U
1,1-Dichloroethane	200		5.5 U
1,1-Dichloroethene	400		5.5 U
1,2-Dichloroethane	100		5.5 U
1,2-Dichloropropane	--		5.5 U
2-Butanone (MEK)	300		11 U
2-Hexanone	--		11 U
4-Methyl-2-pentanone	--		5.5 U
Acetone	200		22 U
Benzene	60		5.5 U
Bromodichloromethane	--		5.5 U
Bromoform	--		5.5 U
Bromomethane	--		5.5 U
Carbon disulfide	2700		5.5 U
Carbon tetrachloride	600		5.5 U
Chlorobenzene	1700		5.5 U
Chloroethane	1900		5.5 U
Chloroform	300		5.5 U
Chloromethane	--		5.5 U
cis-1,2-Dichloroethene	--		5.5 U
cis-1,3-Dichloropropene	--		5.5 U
Dibromochloromethane	--		5.5 U
Ethylbenzene	5500		5.5 U
Methylene chloride	100		3.5 JB
Styrene	--		5.5 U

Table 1. Summary of Volatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-19
		Sample Date:	07/31/07
		Sample Depth (ft bls):	13-15
Tetrachloroethene	1400		5.5 U
Toluene	1500		5.5 U
trans-1,2-Dichloroethene	--		5.5 U
trans-1,3-Dichloropropene	--		5.5 U
Trichloroethene	700		5.5 U
Vinyl chloride	200		5.5 U
Xylenes (total)	1200		5.5 U

Notes:

B - Compound was found in the blank and sample

J - Estimated value

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-1	SB-1	SB-2	SB-2	SB-3P	SB-3P DUP	SB-3P
			02/17/06 8-10	02/17/06 13-15	07/25/07 0-4	07/25/07 12-14	02/16/06 0-4	02/16/06 0-4	02/16/06 14-16
1,2,4-Trichlorobenzene	3400		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
1,2-Dichlorobenzene	7900		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
1,3-Dichlorobenzene	1600		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
1,4-Dichlorobenzene	8500		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,2'-oxybis (1-chloropropane)	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,4,5-Trichlorophenol	100		1700 U	1700 U	7500 U	2000 U	2000 U	1900 U	1800 U
2,4,6-Trichlorophenol	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,4-Dichlorophenol	400		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,4-Dimethylphenol	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,4-Dinitrophenol	200		1700 U	1700 U	7500 U*	2000 U*	2000 U	1900 U	1800 U
2,4-Dinitrotoluene	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2,6-Dinitrotoluene	1000		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2-Chloronaphthalene	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2-Chlorophenol	800		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2-Methylnaphthalene	36400		350 U	820	1500 U	420 U	86 J	140 J	1300
2-Methylphenol	100		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
2-Nitroaniline	430		1700 U	1700 U	7500 U	2000 U	2000 U	1900 U	1800 U
2-Nitrophenol	330		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
3,3'-Dichlorobenzidine	--		700 U	710 U	3100 U	840 U	800 U	800 U	760 U
3-Nitroaniline	500		1700 U	1700 U	7500 U	2000 U	2000 U	1900 U	1800 U
4,6-Dinitro-2-methylphenol	--		1700 U	1700 U	7500 U*	2000 U*	2000 U	1900 U	1800 U
4-Bromophenyl phenyl ether	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
4-Chloro-3-methylphenol	240		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
4-Chloroaniline	220		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
4-Chlorophenyl phenyl ether	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
4-Methylphenol	900		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
4-Nitroaniline	--		700 U	710 U	3100 U	840 U	800 U	800 U	760 U
4-Nitrophenol	100		1700 U	1700 U	7500 U	2000 U	2000 U	1900 U	1800 U
Acenaphthene	50000		350 U	1200	290 J	420 U	240 J	360 J	2600
Acenaphthylene	50000		350 U	500	1200 J	420 U	930	770	290 J
Anthracene	50000		350 U	2200	1500 J	75 J	1700	1700	6100
Benzo[a]anthracene	224		350 U	4600	4600	220 J	5300	5000	9700 D
Benzo[a]pyrene	61		350 U	3900	4100	180 J	5900 H	5000	8300 D
Benzo[b]fluoranthene	220		350 U	5200	4800	230 J	5600	5100	5200 D
Benzo[g,h,i]perylene	50000		350 U	3000	3600	140 J	3400	2800	3700
Benzo[k]fluoranthene	220		350 U	1400	1900	93 J	4400 H	3200 H	6200 D
Benzyl Alcohol	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Bis(2-chloroethoxy)methane	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Bis(2-chloroethyl) ether	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-1	SB-1	SB-2	SB-2	SB-3P	SB-3P DUP	SB-3P
		Sample Date:	02/17/06	02/17/06	07/25/07	07/25/07	02/16/06	02/16/06	02/16/06
		Sample Depth (ft bls):	8-10	13-15	0-4	12-14	0-4	0-4	14-16
Bis(2-ethylhexyl) phthalate	--		170 J	97 J	4200	92 J	590	1100	160 J
Butylbenzyl phthalate	50000		350 U	360 U	1500 U	420 U	170 J	130 J	380 U
Carbazole	--		350 U	1200	690 J	420 U	600	570	2200
Chrysene	400		350 U	<b>4200</b>	<b>5100</b>	230 J	<b>5900</b>	<b>5600</b>	<b>10000 D</b>
Dibenzo[a,h]anthracene	14		350 U	<b>900</b>	<b>890 J</b>	420 U	<b>1400</b>	<b>1100</b>	<b>1500</b>
Dibenzofuran	6200		350 U	1200	400 J	420 U	190 J	270 J	2300
Diethyl phthalate	7100		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Dimethyl phthalate	2000		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Di-n-butyl phthalate	8100		350 U	360 U	1500 U	420 U	130 J	73 J	380 U
Di-n-octyl phthalate	50000		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Fluoranthene	50000		350 U	12000 D	8900	440	9000 D	7300 D	21000 D
Fluorene	50000		350 U	1300	440 J	420 U	310 JM	420	3200
Hexachlorobenzene	410		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Hexachlorobutadiene	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Hexachlorocyclopentadiene	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Hexachloroethane	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Indeno[1,2,3-cd]pyrene	3200		350 U	2800	<b>3900</b>	150 J	<b>3300 H</b>	2600	<b>3600</b>
Isophorone	4400		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Naphthalene	13000		350 U	2000	260 J	420 U	190 J	310 J	4600
Nitrobenzene	200		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
n-Nitrosodi-n-propylamine	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
n-Nitrosodiphenylamine	--		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Pentachlorophenol	1000		1700 U	1700 U	7500 U	2000 U	2000 U	1900 U	1800 U
Phenanthrene	50000		350 U	14000 D	6500	360 J	4700	5400	23000 D
Phenol	30		350 U	360 U	1500 U	420 U	400 U	400 U	380 U
Pyrene	50000		350 U	10000 D	8200	470	6100	5900	19000 D

## Notes:

D - Analysis of secondary sample dilution

J - Estimated value

H - Alternate peak selection upon analytical review

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

\* - Laboratory control spike or laboratory control spike duplicate (LCS or LCSD)  
exceeds control limits

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-4	SB-4	SB-5P	SB-6	SB-6	SB-7P	SB-7P
		Sample Date:	07/30/07	07/30/07	07/27/07	02/15/06	02/15/06	07/26/07	07/26/07
		Sample Depth (ft bls):	0-4	10-12	0-4	0-4	14-16	0-4	12-15
1,2,4-Trichlorobenzene	3400		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
1,2-Dichlorobenzene	7900		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
1,3-Dichlorobenzene	1600		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
1,4-Dichlorobenzene	8500		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,2'-oxybis (1-chloropropane)	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,4,5-Trichlorophenol	100		1700 U	1800 U	1900 U	1800 U	1700 U	7200 U	2000 U
2,4,6-Trichlorophenol	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,4-Dichlorophenol	400		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,4-Dimethylphenol	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,4-Dinitrophenol	200		1700 U*	1800 U*	1900 U*	1800 U	1700 U	7200 U*	2000 U*
2,4-Dinitrotoluene	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2,6-Dinitrotoluene	1000		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2-Chloronaphthalene	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2-Chlorophenol	800		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2-Methylnaphthalene	36400		270 J	370 U	120 J	350 J	360 U	1500 U	410 U
2-Methylphenol	100		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
2-Nitroaniline	430		1700 U	1800 U	1900 U	1800 U	1700 U	7200 U	2000 U
2-Nitrophenol	330		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
3,3'-Dichlorobenzidine	--		720 U	730 U	780 U	760 U	710 U	3000 U	810 U
3-Nitroaniline	500		1700 U	1800 U	1900 U	1800 U	1700 U	7200 U	2000 U
4,6-Dinitro-2-methylphenol	--		1700 U	1800 U	1900 U*	1800 U	1700 U	7200 U*	2000 U*
4-Bromophenyl phenyl ether	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
4-Chloro-3-methylphenol	240		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
4-Chloroaniline	220		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
4-Chlorophenyl phenyl ether	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
4-Methylphenol	900		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
4-Nitroaniline	--		720 U	730 U	780 U	760 U	710 U	3000 U	810 U
4-Nitrophenol	100		1700 U	1800 U	1900 U	1800 U	1700 U	7200 U	2000 U
Acenaphthene	50000		580	370 U	200 J	520	360 U	350 J	410 U
Acenaphthylene	50000		3100	370 U	410	5000	360 U	410 J	410 U
Anthracene	50000		4000	370 U	820	4000 D	360 U	960 J	410 UM
Benzo[a]anthracene	224		<b>20000 D</b>	370 UM	<b>2700</b>	<b>17000 D</b>	360 U	<b>4500</b>	<b>330 J</b>
Benzo[a]pyrene	61		<b>14000 D</b>	48 J	<b>2500</b>	<b>21000 D</b>	360 U	<b>4200</b>	<b>260 J</b>
Benzo[b]fluoranthene	220		<b>14000 D</b>	370 U	<b>3300</b>	<b>16000 D</b>	360 U	<b>4800</b>	<b>390 J</b>
Benzo[g,h,i]perylene	50000		5300	370 U	1200	18000 D	360 U	3900	210 JM
Benzo[k]fluoranthene	220		<b>4500</b>	370 U	<b>1300</b>	380 U	360 U	<b>1800</b>	150 J
Benzyl Alcohol	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Bis(2-chloroethoxy)methane	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Bis(2-chloroethyl) ether	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U



Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC	Sample Designation:	SB-4	SB-4	SB-5P	SB-6	SB-6	SB-7P	SB-7P
	RSCOs (ppb)	Sample Date: Sample Depth (ft bls):	07/30/07 0-4	07/30/07 10-12	07/27/07 0-4	02/15/06 0-4	02/15/06 14-16	07/26/07 0-4	07/26/07 12-15
Bis(2-ethylhexyl) phthalate	--		310 J	58 J	130000 D	230 JH	49 J	220 J	410 U
Butylbenzyl phthalate	50000		360 U	370 U	250 J	380 U	360 U	1500 U	410 U
Carbazole	--		510	370 U	280 J	1000	360 U	290 J	410 U
Chrysene	400		<b>23000 D</b>	67 JM	<b>2800</b>	<b>18000 D</b>	360 U	<b>4600</b>	310 J
Dibenzo[a,h]anthracene	14		<b>1700</b>	370 U	<b>360 J</b>	<b>6900 D</b>	360 U	<b>960 J</b>	410 U
Dibenzofuran	6200		160 J	370 U	92 J	470	360 U	1500 U	410 U
Diethyl phthalate	7100		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Dimethyl phthalate	2000		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Di-n-butyl phthalate	8100		57 J	370 U	93 J	380 U	360 U	1500 U	410 U
Di-n-octyl phthalate	50000		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Fluoranthene	50000		22000 D	370 UM	4800	25000 D	360 U	8600	600
Fluorene	50000		640	370 U	200 J	630	360 U	280 J	410 U
Hexachlorobenzene	410		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Hexachlorobutadiene	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Hexachlorocyclopentadiene	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Hexachloroethane	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Indeno[1,2,3-cd]pyrene	3200		<b>5000</b>	370 U	1500	<b>17000 D</b>	360 U	<b>4200</b>	200 JM
Isophorone	4400		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Naphthalene	13000		390	370 U	190 J	670	360 U	1500 U	410 U
Nitrobenzene	200		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
n-Nitrosodi-n-propylamine	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
n-Nitrosodiphenylamine	--		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Pentachlorophenol	1000		1700 U	1800 U	1900 U	1800 U	1700 U	7200 U	2000 U
Phenanthrene	50000		12000 D	370 U	2400	6800 D	360 U	4500	230 J
Phenol	30		360 U	370 U	390 U	380 U	360 U	1500 U	410 U
Pyrene	50000		42000 D	110 J	3000	24000 D	360 U	7800	710

Notes:

D - Analysis of secondary sample dilution

J - Estimated value

H - Alternate peak selection upon analytical review

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

\* - Laboratory control spike or laboratory control spike duplicate (LCS or LCSD)  
exceeds control limits

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-8	SB-8	SB-9	SB-9	SB-10P	SB-10P	SB-11	SB-11
			07/26/07	07/26/07	02/15/06	02/15/06	02/17/06	02/17/06	07/30/07	07/31/07
			0-4	10-14	4-6	14-16	0-4	15-17	0-4	13-15
1,2,4-Trichlorobenzene	3400		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
1,2-Dichlorobenzene	7900		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
1,3-Dichlorobenzene	1600		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
1,4-Dichlorobenzene	8500		3800 U	380 U	390 U	390 U	74 J	360 U	370 U	340 U
2,2'-oxybis (1-chloropropane)	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2,4,5-Trichlorophenol	100		19000 U	1800 U	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
2,4,6-Trichlorophenol	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2,4-Dichlorophenol	400		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2,4-Dimethylphenol	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2,4-Dinitrophenol	200		19000 U*	1800 U*	1900 U	1900 U	1800 U	1800 U	1800 U*	1700 U*
2,4-Dinitrotoluene	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2,6-Dinitrotoluene	1000		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2-Chloronaphthalene	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2-Chlorophenol	800		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2-Methylnaphthalene	36400		3800 U	380 U	700	390 U	160 J	360 U	370 U	340 U
2-Methylphenol	100		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
2-Nitroaniline	430		19000 U	1800 U	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
2-Nitrophenol	330		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
3,3'-Dichlorobenzidine	--		7600 U	750 U	780 U	790 U	740 U	720 U	740 U	690 U
3-Nitroaniline	500		19000 U	1800 U	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
4,6-Dinitro-2-methylphenol	--		19000 U*	1800 U*	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
4-Bromophenyl phenyl ether	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
4-Chloro-3-methylphenol	240		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
4-Chloroaniline	220		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
4-Chlorophenyl phenyl ether	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
4-Methylphenol	900		3800 U	380 U	260 JH	390 U	370 U	360 U	370 U	340 U
4-Nitroaniline	--		7600 U	750 U	780 U	790 U	740 U	720 U	740 U	690 U
4-Nitrophenol	100		19000 U	1800 U	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
Acenaphthene	50000		3800 U	380 U	1000	390 U	440	360 U	130 J	340 U
Acenaphthylene	50000		2400 J	380 U	18000 D	390 U	960	360 U	240 J	340 U
Anthracene	50000		3000 J	380 U	11000 D	390 U	1700	360 U	540	340 UM
Benzo[a]anthracene	224		11000	380 U	34000 D	390 U	6100 D	360 U	1900	340 U
Benzo[a]pyrene	61		9600	380 U	39000 D	390 U	5800	360 U	1500	340 U
Benzo[b]fluoranthene	220		12000	380 U	30000 D	390 U	4300 HD	360 U	2000	340 U
Benzo[g,h,i]perylene	50000		11000	380 U	39000 D	390 U	2400	360 U	700	340 U
Benzo[k]fluoranthene	220		4600	380 U	31000 D	390 U	2500	360 U	810	340 U
Benzyl Alcohol	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Bis(2-chloroethoxy)methane	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Bis(2-chloroethyl) ether	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-8	SB-8	SB-9	SB-9	SB-10P	SB-10P	SB-11	SB-11
			07/26/07 0-4	07/26/07 10-14	02/15/06 4-6	02/15/06 14-16	02/17/06 0-4	02/17/06 15-17	07/30/07 0-4	07/31/07 13-15
Bis(2-ethylhexyl) phthalate	--		550 J	380 U	390 U	390 U	450	65 J	190 J	340 U
Butylbenzyl phthalate	50000		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Carbazole	--		1300 J	380 U	5100	390 U	550	360 U	190 J	340 U
Chrysene	400		<b>11000</b>	380 U	<b>35000 D</b>	390 U	<b>5600</b>	360 U	<b>1800</b>	340 U
Dibenzo[a,h]anthracene	14		<b>2700 J</b>	380 U	<b>14000 D</b>	390 U	<b>860</b>	360 U	<b>210 J</b>	340 U
Dibenzofuran	6200		720 J	380 U	1300	390 U	320 J	360 U	70 J	340 U
Diethyl phthalate	7100		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Dimethyl phthalate	2000		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Di-n-butyl phthalate	8100		3800 U	380 U	390 U	390 U	80 J	360 U	370 U	340 U
Di-n-octyl phthalate	50000		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Fluoranthene	50000		20000	380 U	<b>63000 D</b>	390 U	11000 D	71 J	3200	78 J
Fluorene	50000		990 J	380 U	2800	390 U	530	360 U	120 J	340 U
Hexachlorobenzene	410		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Hexachlorobutadiene	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Hexachlorocyclopentadiene	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Hexachloroethane	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Indeno[1,2,3-cd]pyrene	3200		<b>12000</b>	380 U	<b>36000 D</b>	390 U	2600	360 U	870	340 U
Isophorone	4400		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Naphthalene	13000		740 J	380 U	1200	390 U	620	360 U	63 J	340 U
Nitrobenzene	200		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
n-Nitrosodi-n-propylamine	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
n-Nitrosodiphenylamine	--		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Pentachlorophenol	1000		19000 U	1800 U	1900 U	1900 U	1800 U	1800 U	1800 U	1700 U
Phenanthrene	50000		14000	380 U	23000 D	390 U	6000	51 J	1900	91 J
Phenol	30		3800 U	380 U	390 U	390 U	370 U	360 U	370 U	340 U
Pyrene	50000		20000	380 U	45000 D	390 U	13000 D	73 J	2300	78 J

Notes:

D - Analysis of secondary sample dilution

J - Estimated value

H - Alternate peak selection upon analytical review

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

\* - Laboratory control spike or laboratory control spike duplicate (LCS or LCSD) exceeds control limits

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-12	SB-12	SB-13	SB-13	SB-14P	SB-14P	SB-15	SB-15
		Sample Date:	02/15/06	02/15/06	02/17/06	02/17/06	08/01/07	08/01/07	07/25/07	07/25/07
		Sample Depth (ft bls):	4-6	18-20	6-8	12-14	0-5	11-13	0-4	6-10
1,2,4-Trichlorobenzene	3400		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
1,2-Dichlorobenzene	7900		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
1,3-Dichlorobenzene	1600		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
1,4-Dichlorobenzene	8500		71 J	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,2'-oxybis (1-chloropropane)	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,4,5-Trichlorophenol	100		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U	9800 U
2,4,6-Trichlorophenol	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,4-Dichlorophenol	400		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,4-Dimethylphenol	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,4-Dinitrophenol	200		1900 U	1800 U	2000 U	2000 U	1700 U*	1800 U*	19000 U*	9800 U*
2,4-Dinitrotoluene	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2,6-Dinitrotoluene	1000		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2-Chloronaphthalene	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2-Chlorophenol	800		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2-Methylnaphthalene	36400		190 J	380 U	400 U	410 U	1400	76 J	4000 U	410 J
2-Methylphenol	100		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
2-Nitroaniline	430		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U	9800 U
2-Nitrophenol	330		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
3,3'-Dichlorobenzidine	--		780 U	760 U	810 U	820 U	690 U	730 U	7900 U	4000 U
3-Nitroaniline	500		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U	9800 U
4,6-Dinitro-2-methylphenol	--		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U*	9800 U*
4-Bromophenyl phenyl ether	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
4-Chloro-3-methylphenol	240		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
4-Chloroaniline	220		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
4-Chlorophenyl phenyl ether	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
4-Methylphenol	900		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
4-Nitroaniline	--		780 U	760 U	810 U	820 U	690 U	730 U	7900 U	4000 U
4-Nitrophenol	100		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U	9800 U
Acenaphthene	50000		550	380 U	79 J	410 U	74 J	180 J	4000 U	370 J
Acenaphthylene	50000		2300	380 U	510	410 U	82 J	150 J	5500	5000
Anthracene	50000		4000	380 U	420	410 U	110 J	440	4700	3600
Benzo[a]anthracene	224		<b>16000 D</b>	380 U	<b>1400</b>	410 U	<b>230 J</b>	<b>970</b>	<b>12000</b>	<b>8700</b>
Benzo[a]pyrene	61		<b>13000 D</b>	380 U	<b>1400</b>	410 U	<b>210 J</b>	<b>910</b>	<b>10000</b>	<b>8500</b>
Benzo[b]fluoranthene	220		<b>9700 D</b>	380 U	<b>1200</b>	410 U	<b>270 J</b>	<b>1000</b>	<b>14000</b>	<b>11000</b>
Benzo[g,h,i]perylene	50000		5000 H	380 U	600	410 U	190 J	740	6100	6700
Benzo[k]fluoranthene	220		<b>11000 D</b>	380 U	1100 H	410 U	110 J	<b>360 J</b>	<b>5800</b>	<b>3900</b>
Benzyl Alcohol	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Bis(2-chloroethoxy)methane	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Bis(2-chloroethyl) ether	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-12	SB-12	SB-13	SB-13	SB-14P	SB-14P	SB-15	SB-15
		Sample Date:	02/15/06	02/15/06	02/17/06	02/17/06	08/01/07	08/01/07	07/25/07	07/25/07
		Sample Depth (ft bls):	4-6	18-20	6-8	12-14	0-5	11-13	0-4	6-10
Bis(2-ethylhexyl) phthalate	--		350 J	360 J	450	410 U	530	330 J	4000 U	420 J
Butylbenzyl phthalate	50000		390 U	380 U	640	410 U	340 U	370 U	4000 U	2000 U
Carbazole	--		1300	380 U	170 J	410 U	340 U	190 J	1900 J	1400 J
Chrysene	400		<b>16000 D</b>	380 U	<b>1700</b>	410 U	260 J	<b>1100</b>	<b>11000</b>	<b>8400</b>
Dibenzo[a,h]anthracene	14		<b>2800 H</b>	380 U	<b>250 J</b>	410 U	340 U	<b>170 J</b>	<b>2000 J</b>	<b>2000</b>
Dibenzofuran	6200		350 J	380 U	400 U	410 U	340 U	140 J	1100 J	640 J
Diethyl phthalate	7100		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Dimethyl phthalate	2000		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Di-n-butyl phthalate	8100		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Di-n-octyl phthalate	50000		3900 UD	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Fluoranthene	50000		28000 D	380 U	2400	410 U	360	2000	23000	15000
Fluorene	50000		720	380 U	85 J	410 U	97 J	170 J	1300 J	950 J
Hexachlorobenzene	410		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Hexachlorobutadiene	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Hexachlorocyclopentadiene	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Hexachloroethane	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Indeno[1,2,3-cd]pyrene	3200		<b>5600 H</b>	380 U	560	410 U	170 J	810	<b>7900</b>	<b>8300</b>
Isophorone	4400		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Naphthalene	13000		750	380 U	74 J	410 U	410	170 J	1400 J	1000 J
Nitrobenzene	200		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
n-Nitrosodi-n-propylamine	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
n-Nitrosodiphenylamine	--		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Pentachlorophenol	1000		1900 U	1800 U	2000 U	2000 U	1700 U	1800 U	19000 U	9800 U
Phenanthrene	50000		8500 D	380 U	1100	410 U	470	2100	15000	9000
Phenol	30		390 U	380 U	400 U	410 U	340 U	370 U	4000 U	2000 U
Pyrene	50000		27000 D	380 U	1800	410 U	370	2300	13000	10000

Notes:

D - Analysis of secondary sample dilution

J - Estimated value

H - Alternate peak selection upon analytical review

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

\* - Laboratory control spike or laboratory control spike duplicate (LCS or LCSD)  
exceeds control limits

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
			02/17/06	02/17/06	07/31/07	07/31/07	07/30/07	07/30/07	07/31/07
			4-6	14-16	0-5	11-13	0-5	13-15	13-15
1,2,4-Trichlorobenzene	3400		370 U	370 U	380 U	370 U	370 U	370 U	360 U
1,2-Dichlorobenzene	7900		370 U	370 U	380 U	370 U	370 U	370 U	360 U
1,3-Dichlorobenzene	1600		370 U	370 U	380 U	370 U	370 U	370 U	360 U
1,4-Dichlorobenzene	8500		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,2'-oxybis (1-chloropropane)	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,4,5-Trichlorophenol	100		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
2,4,6-Trichlorophenol	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,4-Dichlorophenol	400		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,4-Dimethylphenol	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,4-Dinitrophenol	200		1800 U	1800 U	1800 U*	1800 U*	1800 U*	1800 U*	1700 U*
2,4-Dinitrotoluene	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2,6-Dinitrotoluene	1000		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2-Chloronaphthalene	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2-Chlorophenol	800		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2-Methylnaphthalene	36400		60 J	140 J	720	100 J	450	100 J	360 U
2-Methylphenol	100		370 U	370 U	380 U	370 U	370 U	370 U	360 U
2-Nitroaniline	430		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
2-Nitrophenol	330		370 U	370 U	380 U	370 U	370 U	370 U	360 U
3,3'-Dichlorobenzidine	--		730 U	730 U	760 U	740 U	740 U	750 U	720 U
3-Nitroaniline	500		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
4,6-Dinitro-2-methylphenol	--		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
4-Bromophenyl phenyl ether	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
4-Chloro-3-methylphenol	240		370 U	370 U	380 U	370 U	370 U	370 U	360 U
4-Chloroaniline	220		370 U	370 U	380 U	370 U	370 U	370 U	360 U
4-Chlorophenyl phenyl ether	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
4-Methylphenol	900		370 U	370 U	100 J	370 U	370 U	370 U	360 U
4-Nitroaniline	--		730 U	730 U	760 U	740 U	120 J	750 U	720 U
4-Nitrophenol	100		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
Acenaphthene	50000		360 J	290 J	880	89 J	470	350 J	360 U
Acenaphthylene	50000		1200	250 J	1000	170 J	250 J	85 J	360 U
Anthracene	50000		3200	660	3000	290 J	1100	680	360 U
Benzo[a]anthracene	224		<b>9000 D</b>	<b>2500</b>	<b>5900</b>	<b>600</b>	<b>4900</b>	<b>1700</b>	360 U
Benzo[a]pyrene	61		<b>7000 D</b>	<b>2300</b>	<b>5200</b>	<b>480</b>	<b>4100</b>	<b>1400</b>	360 U
Benzo[b]fluoranthene	220		<b>5900 D</b>	<b>1800</b>	<b>5100 D</b>	<b>560</b>	<b>4900</b>	<b>1500</b>	360 U
Benzo[g,h,i]perylene	50000		3200	1100	2300	380	2500	1200	360 U
Benzo[k]fluoranthene	220		<b>5200 H</b>	<b>1800</b>	<b>2400</b>	200 J	<b>1900</b>	<b>630</b>	360 U
Benzyl Alcohol	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Bis(2-chloroethoxy)methane	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Bis(2-chloroethyl) ether	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-16	SB-16	SB-17	SB-17	SB-18	SB-18	SB-19
		Sample Date:	02/17/06	02/17/06	07/31/07	07/31/07	07/30/07	07/30/07	07/31/07
		Sample Depth (ft bls):	4-6	14-16	0-5	11-13	0-5	13-15	13-15
Bis(2-ethylhexyl) phthalate	--		91 J	240 J	300 J	180 J	190 J	53 J	190 J
Butylbenzyl phthalate	50000		370 U	370 U	64 J	370 U	370 U	370 U	360 U
Carbazole	--		200 J	270 J	1100	120 J	410	290 J	360 U
Chrysene	400		<b>8800 D</b>	<b>2600</b>	<b>6000 D</b>	<b>610</b>	<b>4700</b>	<b>1600</b>	360 U
Dibenzo[a,h]anthracene	14		<b>1500</b>	<b>500</b>	<b>700</b>	<b>95 J</b>	<b>620</b>	<b>290 J</b>	360 U
Dibenzofuran	6200		290 J	230 J	850	110 J	160 J	170 J	360 U
Diethyl phthalate	7100		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Dimethyl phthalate	2000		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Di-n-butyl phthalate	8100		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Di-n-octyl phthalate	50000		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Fluoranthene	50000		18000 D	4300	10000 D	1300	8100 D	3500	360 U
Fluorene	50000		820 M	260 J	1400	190 J	340 J	310 J	360 U
Hexachlorobenzene	410		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Hexachlorobutadiene	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Hexachlorocyclopentadiene	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Hexachloroethane	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Indeno[1,2,3-cd]pyrene	3200		<b>3500</b>	1200	2800	420	3000	1300	360 U
Isophorone	4400		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Naphthalene	13000		140 J	300 J	1700	230 J	260 J	240 J	360 U
Nitrobenzene	200		370 U	370 U	380 U	370 U	370 U	370 U	360 U
n-Nitrosodi-n-propylamine	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
n-Nitrosodiphenylamine	--		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Pentachlorophenol	1000		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U
Phenanthrene	50000		11000 D	2900	12000 D	1300	3900	2700	360 U
Phenol	30		370 U	370 U	380 U	370 U	370 U	370 U	360 U
Pyrene	50000		15000 D	3500	11000 D	1100	6200 D	3100	360 U

**Notes:**

D - Analysis of secondary sample dilution

J - Estimated value

H - Alternate peak selection upon analytical review

U - Analyte was not detected at or above the reporting limit

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

\* - Laboratory control spike or laboratory control spike duplicate (LCS or LCSD)  
exceeds control limits

Table 3. Summary of Metals Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-1 02/17/06 8-10	SB-1 02/17/06 13-15	SB-2 07/25/07 0-4	SB-2 07/25/07 12-14	SB-3P 02/16/06 0-4	SB-3P DUP 02/16/06 0-4
Aluminum	--		13500	10000	6770	13300	7170 *	5580 *
Antimony	--		12.8 U	12.6 U	14.3 U	14.6 U	14.5 UN	12.7 UN
Arsenic	7.5		8.7 U	1.9 B	3.9 J	11.6 U	4.1 BN	4.3 BN
Barium	300		140	63	<b>3330</b>	127	<b>743 N</b>	<b>658 N</b>
Beryllium	0.16		2.2 U	2.2 U	2.9 U	2.9 U	2.5 UN	2.2 UN
Cadmium	1		3.3 U	3.2 U	7.2 U	7.3 U	3.7 UN	<b>1.1 BN</b>
Calcium	35000		22200	<b>37800</b>	<b>43300</b>	7560	<b>49300 *</b>	<b>110000 *</b>
Chromium	10		<b>30.6</b>	<b>20.9</b>	<b>15</b>	<b>36.3</b>	<b>11.5 *N</b>	<b>11.4 *N</b>
Cobalt	30		11.5	7.5	4.5	8	3.4 *	3.6 *
Copper	25		20	20.7	<b>31.5</b>	16.9	<b>127 *N</b>	<b>132 *N</b>
Iron	2000		<b>24200</b>	<b>15600</b>	<b>9820</b>	<b>16100</b>	<b>7780</b>	<b>7700</b>
Lead	500		10.1	43.4	438	34	328 N	279 N
Magnesium	5000		<b>16200</b>	<b>24600</b>	3480	<b>6020</b>	4290 *	<b>43800 *</b>
Manganese	5000		349	405	178	233	196 *	213 *
Mercury	0.1		0.038 B*	<b>0.21 *</b>	<b>0.22</b>	<b>0.48</b>	<b>0.33 *</b>	<b>0.33 *</b>
Nickel	13		<b>22.9</b>	<b>14.2</b>	10.3	<b>17</b>	11.5 *	11 *
Potassium	43000		7980	2100	1280	1190	871	1060
Selenium	2		17.5 U	17.2 U	14.3 U	14.6 U	19.9 UN	17.4 UN
Silver	--		3.3 U	3.2 U	4.3 U	4.4 U	3.7 UN	3.3 UN
Sodium	8000		503	538	677	209 J	792 *N	684 *N
Thallium	--		10.9 U	10.8 U	21.5 U	21.8 U	12.4 U	10.9 U
Vanadium	150		33	21.5	21.7	32.3	27.6 N	25.1 N
Zinc	20		<b>84.1</b>	<b>55.2</b>	<b>1520</b>	<b>98.3</b>	<b>685 *N</b>	<b>670 *N</b>

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Table 3. Summary of Metals Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-3P 02/16/06 14-16	SB-4 07/30/07 0-4	SB-4 07/30/07 10-12	SB-5P 07/27/07 0-4	SB-6 02/15/06 0-4	SB-6 02/15/06 14-16
Aluminum	--		5890 *	8130	3550	9690	2430 *	3790 *
Antimony	--		15.5 UN	9.6 U	12.5 U	14.4 U	13.8 UN	13 UN
Arsenic	7.5		10.6 UN	4 J	10 U	4.3 J	3.5 BN	8.9 UN
Barium	300		159 N	<b>563</b>	14.1	<b>792</b>	<b>447 N</b>	41.9 N
Beryllium	0.16		2.6 UN	1.9 U	2.5 U	2.9 U	2.4 UN	2.2 UN
Cadmium	1		4 UN	4.8 U	6.2 U	7.2 U	3.5 UN	3.3 UN
Calcium	35000		25100 *	<b>81200</b>	<b>88400</b>	<b>47300</b>	<b>127000 *</b>	17200 *
Chromium	10		<b>27.9 *N</b>	<b>15.2</b>	5.6	<b>30.9</b>	6.6 *N	<b>13.1 *N</b>
Cobalt	30		4.8 *	4.6	3	8.3	3.2 *	5.6 *
Copper	25		16.6 *N	15.8	11.2	<b>58.2</b>	13.9 *N	18.8 *N
Iron	2000		<b>12900</b>	<b>9750</b>	<b>5970</b>	<b>16600</b>	<b>6170</b>	<b>7580</b>
Lead	500		116 N	410	7.3	482	94.1 N	2.7 BN
Magnesium	5000		<b>7900 *</b>	4260	<b>59200</b>	<b>7740</b>	<b>76900 *</b>	<b>12100 *</b>
Manganese	5000		125 *	182	312	293	172 *	1100 *
Mercury	0.1		0.054 *	<b>0.13</b>	0.026 J	<b>0.32</b>	<b>0.18 *</b>	0.035 U*
Nickel	13		11.4 *	11	7	<b>26.5</b>	7 *	<b>22.6 *</b>
Potassium	43000		1490	1160	600	2390	676	1020
Selenium	2		21.1 UN	9.6 U	12.5 U	14.4 U	18.9 UN	17.8 UN
Silver	--		4 UN	2.9 U	3.7 U	4.3 U	3.5 UN	3.3 UN
Sodium	8000		573 *N	720	401	433	316 *N	113 *N
Thallium	--		13.2 U	14.4 U	18.7 U	21.7 U	11.8 U	11.1 U
Vanadium	150		18.2 N	22	9.8	33.8	20.8 N	10.9 N
Zinc	20		<b>434 *N</b>	<b>339</b>	<b>45</b>	<b>674</b>	<b>285 *N</b>	<b>21.5 B*N</b>

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ft bls - Feet below land surface

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Table 3. Summary of Metals Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-7P 07/26/07 0-4	SB-7P 07/26/07 12-15	SB-8 07/26/07 0-4	SB-8 07/26/07 10-14	SB-9 02/15/06 4-6	SB-9 02/15/06 14-16
Aluminum	--		6490	4910	6940	11100	5310 *	8680 *
Antimony	--		10.1 U	11.8 U	12.4 U	12.6 U	11.7 UN	16.2 UN
Arsenic	7.5		<b>25.5</b>	9.5 U	5.5 J	10.1 U	4.7 BN	1.9 BN
Barium	300		158	35.6	<b>369</b>	36.2	296 N	62.3 N
Beryllium	0.16		2 U	2.4 U	2.5 U	2.5 U	2 UN	2.8 UN
Cadmium	1		5.1 U	5.9 U	6.2 U	6.3 U	3 UN	4.2 UN
Calcium	35000		<b>47100</b>	2420	24800	965	<b>73400 *</b>	4340 *
Chromium	10		<b>35.7</b>	<b>16</b>	<b>14.7</b>	<b>29.9</b>	<b>11.9 *N</b>	<b>29.1 *N</b>
Cobalt	30		4.4	4.6	4.5	6.9	3.8 *	7.2 *
Copper	25		<b>33.2</b>	12.1	<b>42.9</b>	13.5	14.8 *N	21.2 *N
Iron	2000		<b>10800</b>	<b>9820</b>	<b>15500</b>	<b>20900</b>	<b>12900</b>	<b>13000</b>
Lead	500		102	5.7 J	387	5 J	403 N	7.7 BN
Magnesium	5000		<b>11500</b>	3410	4010	3820	4530 *	4060 *
Manganese	5000		211	198	172	146	203 *	103 *
Mercury	0.1		<b>0.22</b>	0.04 J	<b>0.51</b>	0.053 U	<b>0.16 *</b>	0.056 U*
Nickel	13		<b>17.4</b>	13	<b>17.9</b>	<b>15.6</b>	9.9 *	<b>14.5 *</b>
Potassium	43000		1070	1180	893	1190	1160	1400
Selenium	2		10.1 U	11.8 U	12.4 U	12.6 U	16.1 UN	22.2 UN
Silver	--		3 U	3.5 U	3.7 U	3.8 U	3 UN	4.2 UN
Sodium	8000		267	143 J	611	92.5 J	448 *N	196 *N
Thallium	--		15.2 U	17.7 U	18.5 U	18.9 U	10 U	13.9 U
Vanadium	150		20.3	14.9	22.8	29.5	29.1 N	28.6 N
Zinc	20		<b>572</b>	<b>27.1</b>	<b>363</b>	<b>35</b>	<b>222 *N</b>	<b>236 *N</b>

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Table 3. Summary of Metals Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-10P 02/17/06 0-4	SB-10P 02/17/06 15-17	SB-11 07/30/07 0-4	SB-11 07/31/07 13-15	SB-12 02/15/06 4-6	SB-12 02/15/06 18-20	SB-13 02/17/06 6-8
Aluminum	--		6600	4540	10400	6440	8680 *	7060 *	5640
Antimony	--		16.3 U	13 U	11.8 U	12.3 U	13.1 UN	12.7 UN	12.1 U
Arsenic	7.5		5 B	8.9 U	4.2 J	9.9 U	5.4 BN	2.3 BN	3.1 B
Barium	300		<b>515</b>	52.2	243	39	755 N	58.6 N	<b>380</b>
Beryllium	0.16		2.8 U	2.2 U	<b>0.56 J</b>	2.5 U	2.2 UN	2.2 UN	2.1 U
Cadmium	1		4.2 U	3.3 U	5.9 U	6.2 U	<b>1.2 BN</b>	3.3 UN	3.1 U
Calcium	35000		<b>81000</b>	2310	31700	1530	<b>76800 *</b>	2010 *	27000
Chromium	10		<b>16</b>	<b>25.7</b>	<b>22.5</b>	<b>16.9</b>	<b>14.4 *N</b>	<b>22 *N</b>	15.6
Cobalt	30		5.2	3.8	7.8	5.6	4.6 *	8 *	4.3
Copper	25		<b>47.4</b>	6.6	<b>38.2</b>	9.9	<b>26.5 *N</b>	14.6 *N	<b>34.9</b>
Iron	2000		<b>12100</b>	<b>7910</b>	<b>18300</b>	<b>11900</b>	<b>12000</b>	<b>18700</b>	<b>12400</b>
Lead	500		464	4.5 B	198	5.6 J	187 N	3.6 BN	234
Magnesium	5000		<b>25200</b>	2430	<b>11800</b>	3520	<b>19500 *</b>	4090 *	<b>5360</b>
Manganese	5000		282	67.2	311	546	292 *	371 *	195
Mercury	0.1		<b>0.33 *N</b>	0.03 B*	<b>1.1</b>	0.049 U	<b>0.16 *</b>	0.047 U*	<b>0.26 *</b>
Nickel	13		<b>14.6</b>	9.1	<b>17.9</b>	<b>13.5</b>	10.9 *	<b>17.6 *</b>	10.8
Potassium	43000		1430	532	3070	689	1470	1570	1080
Selenium	2		22.3 U	17.7 U	11.8 U	12.3 U	18 UN	17.4 UN	16.6 U
Silver	--		4.2 U	3.3 U	3.5 U	3.7 U	3.4 UN	3.3 UN	3.1 U
Sodium	8000		668	217	357	109 J	1300 *N	168 *N	354
Thallium	--		14 U	11.1 U	17.7 U	18.5 U	11.2 U	10.9 U	10.4 U
Vanadium	150		18.3	11.2	30.3	17.8	19.4 N	31.1 N	22.8
Zinc	20		<b>459</b>	<b>40.3</b>	<b>181</b>	<b>24.2 J</b>	<b>1130 *N</b>	<b>39.2 *N</b>	<b>283</b>

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Table 3. Summary of Metals Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-13 02/17/06 12-14	SB-14P 08/01/07 0-5	SB-14P 08/01/07 11-13	SB-15 07/25/07 0-4	SB-15 07/25/07 6-10	SB-16 02/17/06 4-6	SB-16 02/17/06 14-16
Aluminum	--		3700	8100	10400	5850	7230	11300	12600
Antimony	--		13.4 U	12.2 U	9.8 U	11.6 U	12.6 U	12.7 U	14.3 U
Arsenic	7.5		<b>8.5 B</b>	3.6 J	<b>9.1</b>	3.8 J	7.1 J	3.3 B	3.5 B
Barium	300		66	180	150	<b>524</b>	<b>698</b>	162	238
Beryllium	0.16		2.3 U	2.4 U	<b>0.73 J</b>	2.3 U	2.5 U	2.2 U	2.4 U
Cadmium	1		3.4 U	6.1 U	4.9 U	<b>2.5 J</b>	<b>2.7 J</b>	3.3 U	3.7 U
Calcium	35000		4530	<b>58900</b>	23900	<b>37100</b>	<b>56200</b>	20500	<b>37500</b>
Chromium	10		<b>21</b>	<b>19.9</b>	<b>24.4</b>	<b>13.3</b>	<b>16.7</b>	17.4	<b>20.4</b>
Cobalt	30		3.2	7.3	17.7	5.7	3.7	5.6	6.4
Copper	25		6.3	<b>56.8</b>	<b>135</b>	<b>36.4</b>	<b>34.7</b>	19.6	23
Iron	2000		<b>9750</b>	<b>17300</b>	<b>25000</b>	<b>14200</b>	<b>10500</b>	<b>13300</b>	<b>15500</b>
Lead	500		2.2 B	254	412	160	242	65.6	97.9
Magnesium	5000		3290	<b>21200</b>	<b>14500</b>	2890	3060	<b>7110</b>	<b>10800</b>
Manganese	5000		41.5	306	387	154	177	290	260
Mercury	0.1		0.04 U*N	<b>0.21</b>	<b>1.8</b>	<b>0.23</b>	<b>0.19</b>	0.092 *	<b>0.17 *</b>
Nickel	13		6.7	<b>24.4</b>	<b>31.7</b>	<b>15.6</b>	11.9	<b>14</b>	<b>14.7</b>
Potassium	43000		356	2380	2510	1420	903	1900	3050
Selenium	2		18.3 U	12.2 U	9.8 U	11.6 U	12.6 U	17.4 U	19.5 U
Silver	--		3.4 U	3.7 U	0.33 J	3.5 U	3.8 U	3.3 U	3.7 U
Sodium	8000		136	578	462	377	528	1260	1390
Thallium	--		11.4 U	18.3 U	14.7 U	17.4 U	18.9 U	10.9 U	12.2 U
Vanadium	150		23.9	24.2	28.2	20	20.2	22.7	29
Zinc	20		<b>22.3 B</b>	<b>209</b>	<b>297</b>	<b>521</b>	<b>460</b>	<b>106</b>	<b>154</b>

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Parameter (Concentrations in ppm)	NYSDEC RSCOs (ppm)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-17 07/31/07 0-5	SB-17 07/31/07 11-13	SB-18 07/30/07 0-5	SB-18 07/30/07 13-15	SB-19 07/31/07 13-15
Aluminum	--		7540	5930	2570	13300	7860
Antimony	--		13.5 U	11.4 U	9.6 U	11.1 U	9.4 U
Arsenic	7.5		<b>8.7 J</b>	5.4 J	3.3 J	1.8 J	1.3 J
Barium	300		<b>567</b>	209	33.8	49.3	46.3
Beryllium	0.16		2.7 U	2.3 U	1.9 U	<b>0.56 J</b>	1.9 U
Cadmium	1		6.8 U	5.7 U	4.8 U	5.5 U	4.7 U
Calcium	35000		<b>69900</b>	26700	<b>122000</b>	5300	945
Chromium	10		<b>15</b>	<b>18.7</b>	7.6	<b>25.9</b>	<b>22.1</b>
Cobalt	30		5.9	27.4	2.5	7.9	5.4
Copper	25		<b>41.2</b>	<b>25.4</b>	16.4	<b>26.9</b>	11.2
Iron	2000		<b>17600</b>	<b>41800</b>	<b>7400</b>	<b>19500</b>	<b>13900</b>
Lead	500		<b>675</b>	228	54	27.7	3.3 J
Magnesium	5000		<b>19700</b>	<b>9520</b>	<b>74200</b>	<b>5110</b>	3920
Manganese	5000		341	2140	184	473	188
Mercury	0.1		<b>0.41</b>	<b>0.2</b>	<b>0.16</b>	0.026 J	0.029 J
Nickel	13		<b>13.1</b>	<b>39.3</b>	7.7	<b>17.4</b>	<b>15.4</b>
Potassium	43000		1010	688	730	1150	945
Selenium	2		13.5 U	11.4 U	9.6 U	11.1 U	9.4 U
Silver	--		4.1 U	3.4 U	2.9 U	3.3 U	0.48 J
Sodium	8000		1040	203 J	402	154 J	111 J
Thallium	--		20.3 U	17.1 U	14.5 U	16.6 U	14 U
Vanadium	150		29	24.2	12	31	21.6
Zinc	20		<b>400</b>	<b>202</b>	<b>81.1</b>	<b>72.2</b>	<b>34.4</b>

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Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-1	SB-1	SB-2	SB-2	SB-3P	SB-3P DUP
			02/17/06	02/17/06	07/25/07	07/25/07	02/16/06	02/16/06
			8-10	13-15	0-4	12-14	0-4	0-4
Aroclor-1016			33 U	33 U	20 U	22 U	33 U	33 U
Aroclor-1221			33 U	33 U	38 U	43 U	33 U	33 U
Aroclor-1232			33 U	33 U	20 U	22 U	33 U	33 U
Aroclor-1242			33 U	33 U	20 U	22 U	33 U	33 U
Aroclor-1248			33 U	33 U	20 U	22 U	33 U	33 U
Aroclor-1254			33 U	33 U	20 U	22 U	33 U	33 U
Aroclor-1260			33 U	33 U	20 U	22 U	84	62
<b>Total PCBs:</b>	<b>10000</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>62</b>

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

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RSCOs - Recommended Soil Cleanup Objectives

U - Analyte was not detected at or above the reporting limit

Bold - Concentration exceeds standard

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

DUP - Duplicate sample

Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation:	SB-3P	SB-4	SB-4	SB-5P	SB-6	SB-6
		Sample Date:	02/16/06	07/30/07	07/30/07	07/27/07	02/15/06	02/15/06
		Sample Depth (ft bls):	14-16	0-4	10-12	0-4	0-4	14-16
Aroclor-1016			33 U	19 U	19 U	20 U	33 U	33 U
Aroclor-1221			33 U	37 U	37 U	39 U	33 U	33 U
Aroclor-1232			33 U	19 U	19 U	20 U	33 U	33 U
Aroclor-1242			33 U	19 U	19 U	20 U	33 U	33 U
Aroclor-1248			33 U	19 U	19 U	74 M	33 U	33 U
Aroclor-1254			33 U	19 U	19 U	120 M	33 U	33 U
Aroclor-1260			33 U	19 U	19 U	40 M	36	33 U
<b>Total PCBs:</b>	10000		0	0	0	234	36	0

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

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DUP - Duplicate sample

Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC	<b>Sample Designation:</b>	SB-7P	SB-7P	SB-8	SB-8	SB-9	SB-9
	RSCOs	<b>Sample Date:</b>	07/26/07	07/26/07	07/26/07	07/26/07	02/15/06	02/15/06
	(ppb)	<b>Sample Depth (ft bls):</b>	0-4	12-15	0-4	10-14	4-6	14-16
Aroclor-1016			19 U	21 U	20 U	20 U	330 U	33 U
Aroclor-1221			37 U	40 U	39 U	38 U	330 U	33 U
Aroclor-1232			19 U	21 U	20 U	20 U	330 U	33 U
Aroclor-1242			19 U	21 U	20 U	20 U	330 U	33 U
Aroclor-1248			19 U	21 UM	20 U	20 U	4800	33 U
Aroclor-1254			19 M	21 U	20 U	20 U	330 U	33 U
Aroclor-1260			17 JM	21 U	23 M	20 U	330 U	33 U
<b>Total PCBs:</b>	10000		36	0	23	0	4800	0

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

U - Analyte was not detected at or above the reporting limit

Bold - Concentration exceeds standard

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

DUP - Duplicate sample



Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-10P 02/17/06 0-4	SB-10P 02/17/06 15-17	SB-11 07/30/07 0-4	SB-11 07/31/07 13-15	SB-12 02/15/06 4-6	SB-12 02/15/06 18-20
Aroclor-1016			160 U	33 U	19 U	18 U	33 U	33 U
Aroclor-1221			160 U	33 U	37 U	35 U	33 U	33 U
Aroclor-1232			160 U	33 U	19 U	18 U	33 U	33 U
Aroclor-1242			160 U	33 U	19 U	18 U	33 U	33 U
Aroclor-1248			160 U	33 U	87 M	18 U	47	33 U
Aroclor-1254			160 U	33 U	19 U	18 U	33 U	33 U
Aroclor-1260			160 U	33 U	40 M	18 U	33 U	33 U
<b>Total PCBs:</b>	10000		0	0	127	0	47	0

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

U - Analyte was not detected at or above the reporting limit

Bold - Concentration exceeds standard

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

DUP - Duplicate sample

Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC	<b>Sample Designation:</b>	SB-13	SB-13	SB-14P	SB-14P	SB-15	SB-15
	RSCOs	<b>Sample Date:</b>	02/17/06	02/17/06	08/01/07	08/01/07	07/25/07	07/25/07
	(ppb)	<b>Sample Depth (ft bls):</b>	6-8	12-14	0-5	11-13	0-4	6-10
Aroclor-1016			33 U	33 U	18 U	20 U	210 U	110 U
Aroclor-1221			33 U	33 U	35 U	38 U	400 U	200 U
Aroclor-1232			33 U	33 U	18 U	20 U	210 U	110 U
Aroclor-1242			33 U	33 U	18 U	20 U	210 U	110 U
Aroclor-1248			33 U	33 U	18 U	20 U	210 U	110 U
Aroclor-1254			33 U	33 U	15 JM	20 U	1100 M	850 M
Aroclor-1260			33 U	33 U	8.1 JM	20 U	170 JM	190 M
<b>Total PCBs:</b>	<b>10000</b>		<b>0</b>	<b>0</b>	<b>23.1</b>	<b>0</b>	<b>1270</b>	<b>1040</b>

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

U - Analyte was not detected at or above the reporting limit

Bold - Concentration exceeds standard

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

DUP - Duplicate sample

Table 4. Summary of Polychlorinated Biphenyl Compounds Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-16 02/17/06 4-6	SB-16 02/17/06 14-16	SB-17 07/31/07 0-5	SB-17 07/31/07 11-13	SB-18 07/30/07 0-5	SB-18 07/30/07 13-15	SB-19 07/31/07 13-15
Aroclor-1016			33 U	33 U	20 U	20 U	19 U	20 U	19 U
Aroclor-1221			33 U	33 U	39 U	38 U	38 U	38 U	36 U
Aroclor-1232			33 U	33 U	20 U	20 U	19 U	20 U	19 U
Aroclor-1242			33 U	33 U	20 U	20 U	19 U	20 U	19 U
Aroclor-1248			33 U	33 U	15 JM	20 U	16 JM	20 U	19 U
Aroclor-1254			33 U	33 U	20 U	20 U	29 M	20 U	19 U
Aroclor-1260			33 U	33 U	20 U	20 U	30 M	20 U	19 U
<b>Total PCBs:</b>	10000		0	0	15	0	75	0	0

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 10000 ppb

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

U - Analyte was not detected at or above the reporting limit

Bold - Concentration exceeds standard

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

DUP - Duplicate sample

Table 5. Summary of Pesticides and Herbicides Detected in Soil, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC RSCOs (ppb)	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-3P 02/16/06 0-4	SB-3P DUP 02/16/06 0-4	SB-6 02/15/06 0-4	SB-10P 02/17/06 0-4
2,4,5-TP	700		29 U	27 U	24 U	23 U
2,4-D	500		120 U	110 U	97 U	93 U
4,4'-DDD	2900		34 U	34 U	30 U	17 U
4,4'-DDE	2100		34 U	34 U	30 U	17 U
4,4'-DDT	2100		63	64	56	77
Aldrin	41		34 U	34 U	30 U	17 U
alpha-BHC	110		34 U	34 U	30 U	17 U
beta-BHC	200		34 U	34 U	30 U	17 U
Chlordane	540		340 U	340 U	150 U	170 U
delta-BHC	300		34 U	34 U	30 U	17 U
Dieldrin	44		34 U	34 U	30 U	17 U
Endosulfan I	900		34 U	34 U	30 U	17 U
Endosulfan II	900		34 U	34 U	30 U	17 U
Endosulfan sulfate	1000		34 U	34 U	30 U	17 U
Endrin aldehyde	--		34 U	34 U	30 U	17 U
Endrin	100		34 U	34 U	30 U	17 U
gamma-BHC (Lindane)	60		34 U	34 U	30 U	17 U
Heptachlor	--		34 U	34 U	30 U	17 U
Heptachlor epoxide	20		34 U	34 U	30 U	17 U
Methoxychlor	--		66 U	66 U	30 U	33 U
Toxaphene	--		1300 U	1300 U	1500 U	670 U

Notes:

U - Analyte was not detected at or above the reporting limit

\* - Batch QC exceeds the upper or lower control limits

NYSDEC - New York State Department of Environmental Conservation

RSCOs - Recommended Soil Cleanup Objectives

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion

ft bls - Feet below land surface

DUP - Duplicate sample

Table 6. Summary of Volatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: Sample Date:	MW-1 (SB-3P) 02/17/06	MW-2 (SB-10P) 02/17/06	MR-154 8/16/2007	SB-10P 8/16/2007	SB-14P 8/16/2007
1,1,1-Trichloroethane	5		5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5		5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1		5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5		5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.6		5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	1		5 U	5 U	5 U	5 U	5 U
2-Butanone (MEK)	50		10 U	10 U	10 U	10 U	10 U
2-Hexanone	50		10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	--		10 U	10 U	10 U	10 U	10 U
Acetone	50		3.2 J	5.2 J	6.2 J	10 UM	10 UM
Benzene	1		5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50		5 U	5 U	5 U	5 U	5 U
Bromoform	50		5 U	5 U	5 U	5 U	5 U*
Bromomethane	5		5 U	5 U	5 U	5 U	5 U
Carbon disulfide	--		5 U	5 U	5 UM	5 UM	5 UM
Carbon tetrachloride	5		5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5		5 U	5 U	5 U	5 U	5 U
Chloroethane	5		5 U	5 U	5 U	5 U	5 U*
Chloroform	7		1.8 J	5 U	1.6 J	5 U	5 U
Chloromethane	--		5 U	5 U	5 U*	5 UM*	5 U
cis-1,2-Dichloroethene	5		0.74 J	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	50		5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5		5 U	5 U	5 U	5 U	5 U
Methylene chloride	5		5 UB	5 UB	0.51 J	5 UM	5 U
Styrene	5		5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5		<b>8.4</b>	5 U	5 U	5 UM	5 UM
Toluene	5		5 U	5 U	5 U	5 U	5 U
trans-1,2-Dichloroethene	5		5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U	5 U
Trichloroethene	5		0.9 J	5 U	5 U	5 U	5 U
Vinyl chloride	2		5 U	5 U	5 U	5 U	5 U
Xylenes (total)	5		5 U	5 U	5 U	5 U	5 U

Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- M - Manual integrated compound
- \* - LCS or LCSD exceeds the control limits

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

ppb - Parts per billion

-- - No NYSDEC AWQSGV available

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 6. Summary of Volatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: Sample Date:	SB-3P 8/16/2007	SB-7P 8/16/2007	FB-081607 8/16/2007	TRIP BLANK 8/16/2007
1,1,1-Trichloroethane	5		5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5		5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	1		5 U	5 U	5 U	5 U
1,1-Dichloroethane	5		5 U	5 U	5 U	5 U
1,1-Dichloroethene	5		5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.6		5 U	5 U	5 U	5 U
1,2-Dichloropropane	1		5 U	5 U	5 U	5 U
2-Butanone (MEK)	50		10 U	10 U	10 U	10 U
2-Hexanone	50		10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (MIBK)	--		10 U	10 U	10 U	10 U
Acetone	50		10 UM	10 UM	10 UM	1.8 J
Benzene	1		5 U	5 U	5 U	5 U
Bromodichloromethane	50		5 U	5 U	5 U	5 U
Bromoform	50		5 U*	5 U*	5 U*	5 U*
Bromomethane	5		5 U	5 U	5 U	5 U
Carbon disulfide	--		5 UM	5 UM	5 UM	5 UM
Carbon tetrachloride	5		5 U	5 U	5 U	5 U
Chlorobenzene	5		5 U	5 U	5 U	5 U
Chloroethane	5		5 U*	5 U*	5 U*	5 U*
Chloroform	7		5 U	0.74 J	1.1 J	5 U
Chloromethane	--		5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5		<b>5.4</b>	5 U	5 U	5 U
cis-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U
Dibromochloromethane	50		5 U	5 U	5 U	5 U
Ethylbenzene	5		5 U	5 U	5 U	5 U
Methylene chloride	5		5 UM	5 UM	5 U	1.6 J
Styrene	5		5 U	5 U	5 U	5 U
Tetrachloroethene	5		<b>72</b>	5 U	5 U	5 U
Toluene	5		5 U	0.61 J	5 U	5 U
trans-1,2-Dichloroethene	5		5 UM	5 U	5 U	5 U
trans-1,3-Dichloropropene	--		5 U	5 U	5 U	5 U
Trichloroethene	5		2.4 J	5 U	5 U	5 U
Vinyl chloride	2		5 U	5 U	5 U	5 U
Xylenes (total)	5		5 U	5 U	5 U	5 U

## Notes:

- B - Compound was found in the blank and sample
- J - Estimated value
- U - Analyte was not detected at or above the reporting limit
- M - Manual integrated compound
- \* - LCS or LCS D exceeds the control limits

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

ppb - Parts per billion

--- - No NYSDEC AWQSGV available

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 7. Summary of Semivolatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: MW-1 (SB-3P) MW-2 (SB-10P) MR-154 SB-10P SB-14P					
		Sample Date: 02/17/06	02/17/06	02/17/06	8/16/2007	8/16/2007	8/16/2007
1,2,4-Trichlorobenzene	5	10 U	11 U	11 U	11 U	11 U	
1,2-Dichlorobenzene	3	10 U	11 U	11 U	11 U	11 U	
1,3-Dichlorobenzene	3	10 U	11 U	11 U	11 U	11 U	
1,4-Dichlorobenzene	3	10 U	11 U	11 U	11 U	11 U	
2,2'-oxybis (1-chloropropane)	--	10 U	11 U	11 U	11 U	11 U	
2,4,5-Trichlorophenol	--	50 U	54 U	57 U	55 U	55 U	
2,4,6-Trichlorophenol	--	10 U	11 U	11 U	11 U	11 U	
2,4-Dichlorophenol	5	10 U	11 U	11 U	11 U	11 U	
2,4-Dimethylphenol	50	10 U	11 U	11 U	11 U	11 U	
2,4-Dinitrophenol	10	50 U	54 U	57 U	55 U	55 U	
2,4-Dinitrotoluene	5	10 U	11 U	11 U	11 U	11 U	
2,6-Dinitrotoluene	5	10 U	11 U	11 U	11 U	11 U	
2-Chloronaphthalene	10	10 U	11 U	11 U	11 U	11 U	
2-Chlorophenol	--	10 U	11 U	11 U	11 U	11 U	
2-Methylnaphthalene	--	2 J	11 U	11 U	11 U	11 U	
2-Methylphenol	--	10 U	11 U	11 U	11 U	11 U	
2-Nitroaniline	5	50 U	54 U	57 U	55 U	55 U	
2-Nitrophenol	--	10 U	11 U	11 U	11 U	11 U	
3,3'-Dichlorobenzidine	5	20 U	22 U	11 U	11 U	11 U	
3-Nitroaniline	5	50 U	54 U	57 U	55 U	55 U	
4,6-Dinitro-2-methylphenol	--	50 U	54 U	57 U	55 U	55 U	
4-Bromophenyl phenyl ether	--	10 U	11 U	11 U	11 U	11 U	
4-Chloro-3-methylphenol	--	10 U	11 U	11 U	11 U	11 U	
4-Chloroaniline	5	10 U	11 U	11 U	11 U	11 U	
4-Chlorophenyl phenyl ether	--	10 U	11 U	11 U	11 U	11 U	
4-Methylphenol	--	10 U	11 U	1.3 J	11 U	11 U	
4-Nitroaniline	5	20 U	22 U	23 U	22 U	22 U	
4-Nitrophenol	--	50 U	54 U	57 U	55 U	55 U	
Acenaphthene	20	1 J	11 U	11 U	11 U	11 U	
Acenaphthylene	--	10 U	11 U	11 U	11 U	11 U	
Anthracene	50	10 U	11 U	11 U	11 U	11 U	
Benzo[a]anthracene	0.002	10 U	11 U	11 U	11 U	11 U	
Benzo[a]pyrene	ND	10 U	11 U	11 U	11 U	11 U	
Benzo[b]fluoranthene	0.002	10 U	11 U	11 U	<b>0.52 J</b>	11 U	
Benzo[g,h,i]perylene	--	10 U	11 U	11 U	11 U	11 U	
Benzo[k]fluoranthene	0.002	10 U	11 U	11 U	11 UM	11 U	
Benzyl Alcohol	--	10 U	11 U	11 U	11 U	11 U	

Table 7. Summary of Semivolatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC	Sample Designation: MW-1 (SB-3P) MW-2 (SB-10P) MR-154 SB-10P SB-14P					
	AWQSGVs (ppb)	Sample Date: 02/17/06	02/17/06	02/17/06	8/16/2007	8/16/2007	8/16/2007
Bis(2-chloroethoxy)methane	5	10 U	11 U	11 U	11 U	11 U	11 U
Bis(2-chloroethyl) ether	1	10 U	11 U	11 U	11 U	11 U	11 U
Bis(2-ethylhexyl) phthalate	5	10 U	11 U	11 U	11 U	11 U	11 U
Butylbenzyl phthalate	50	10 U	11 U	11 U	11 U	11 U	11 U
Carbazole	--	10 U	11 U	11 U	11 U	11 U	11 U
Chrysene	0.002	10 U	11 U	11 U	11 U	<b>0.5 J</b>	11 U
Dibenzo[a,h]anthracene	--	10 U	11 U	11 U	11 U	11 U	11 U
Dibenzofuran	--	1 J	11 U	11 U	11 U	11 U	11 U
Diethyl phthalate	50	10 U	11 U	11 U	11 U	11 U	11 U
Dimethyl phthalate	50	10 U	11 U	11 U	11 U	11 U	11 U
Di-n-butyl phthalate	50	10 U	11 U	11 U	11 U	11 U	11 U
Di-n-octyl phthalate	50	10 U	11 U	11 U	11 U	11 U	11 U
Fluoranthene	50	1 J	11 U	11 U	11 U	0.69 J	11 U
Fluorene	50	1 J	11 U	11 U	11 U	11 U	11 U
Hexachlorobenzene	0.04	10 U	11 U	11 U	11 U	11 U	11 U
Hexachlorobutadiene	0.5	10 U	11 U	11 U	11 U	11 U	11 U
Hexachlorocyclopentadiene	5	10 U	11 U	11 U	11 U	11 U	11 U
Hexachloroethane	5	10 U	11 U	11 U	11 U	11 U	11 U
Indeno[1,2,3-cd]pyrene	0.002	10 U	11 U	11 U	11 U	11 U	11 U
Isophorone	50	10 U	11 U	11 U	11 U	11 U	11 U
Naphthalene	10	<b>21</b>	11 U	11 U	11 U	11 U	11 U
Nitrobenzene	0.4	10 U	11 U	11 U	11 U	11 U	11 U
n-Nitrosodi-n-propylamine	--	10 U	11 U	11 U	11 U	11 U	11 U
n-Nitrosodiphenylamine	50	10 U	11 U	11 U	11 U	11 U	11 U
Pentachlorophenol	1	50 U	54 U	57 U	55 U	55 U	55 U
Phenanthrene	50	4 J	1 J	11 U	0.32 J	11 U	11 U
Phenol	1	10 U	11 U	<b>1.1 J</b>	11 U	11 U	11 U
Pyrene	50	1 J	11 U	11 U	0.79 J	11 U	11 U

Notes:

J - Estimated value

U - Analyte was not detected at or above the reporting limit

M - Manual integrated compound

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

ppb - Parts per billion

-- - No NYSDEC AWQSGV available

Bold - Concentration exceeds NYSDEC AWQSGVs



Table 7. Summary of Semivolatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	SB-3P 8/16/2007	SB-7P 8/16/2007	FB-081607 8/16/2007
1,2,4-Trichlorobenzene	5	11 U	11 U	11 U
1,2-Dichlorobenzene	3	11 U	11 U	11 U
1,3-Dichlorobenzene	3	11 U	11 U	11 U
1,4-Dichlorobenzene	3	11 U	11 U	11 U
2,2'-oxybis (1-chloropropane)	--	11 U	11 U	11 U
2,4,5-Trichlorophenol	--	57 U	56 U	53 U
2,4,6-Trichlorophenol	--	11 U	11 U	11 U
2,4-Dichlorophenol	5	11 U	11 U	11 U
2,4-Dimethylphenol	50	11 U	11 U	11 U
2,4-Dinitrophenol	10	57 U	56 U	53 U
2,4-Dinitrotoluene	5	11 U	11 U	11 U
2,6-Dinitrotoluene	5	11 U	11 U	11 U
2-Chloronaphthalene	10	11 U	11 U	11 U
2-Chlorophenol	--	11 U	11 U	11 U
2-Methylnaphthalene	--	11 U	11 U	11 U
2-Methylphenol	--	11 U	11 U	11 U
2-Nitroaniline	5	57 U	56 U	53 U
2-Nitrophenol	--	11 U	11 U	11 U
3,3'-Dichlorobenzidine	5	11 U	11 U	11 U
3-Nitroaniline	5	57 U	56 U	53 U
4,6-Dinitro-2-methylphenol	--	57 U	56 U	53 U
4-Bromophenyl phenyl ether	--	11 U	11 U	11 U
4-Chloro-3-methylphenol	--	11 U	11 U	11 U
4-Chloroaniline	5	11 U	11 U	11 U
4-Chlorophenyl phenyl ether	--	11 U	11 U	11 U
4-Methylphenol	--	11 U	11 U	11 U
4-Nitroaniline	5	23 U	22 U	21 U
4-Nitrophenol	--	57 U	56 U	53 U
Acenaphthene	20	11 U	11 U	11 U
Acenaphthylene	--	11 U	11 U	11 U
Anthracene	50	11 UM	11 U	11 U
Benzo[a]anthracene	0.002	<b>0.83 J</b>	11 U	11 U
Benzo[a]pyrene	ND	<b>0.5 J</b>	11 U	11 U
Benzo[b]fluoranthene	0.002	<b>0.74 J</b>	11 U	11 U
Benzo[g,h,i]perylene	--	11 U	11 U	11 U
Benzo[k]fluoranthene	0.002	<b>0.41 JM</b>	11 U	11 U
Benzyl Alcohol	--	11 U	11 U	11 U

Table 7. Summary of Semivolatile Organic Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	SB-3P 8/16/2007	SB-7P 8/16/2007	FB-081607 8/16/2007
Bis(2-chloroethoxy)methane	5	11 U	11 U	11 U
Bis(2-chloroethyl) ether	1	11 U	11 U	11 U
Bis(2-ethylhexyl) phthalate	5	11 U	11 U	11 U
Butylbenzyl phthalate	50	11 U	11 U	11 U
Carbazole	--	11 U	11 U	11 U
Chrysene	0.002	<b>0.9 J</b>	11 U	11 U
Dibenzo[a,h]anthracene	--	11 U	11 U	11 U
Dibenzofuran	--	11 U	11 U	11 U
Diethyl phthalate	50	11 U	11 U	11 U
Dimethyl phthalate	50	11 U	11 U	11 U
Di-n-butyl phthalate	50	11 U	11 U	11 U
Di-n-octyl phthalate	50	11 U	11 U	11 U
Fluoranthene	50	1.4 J	0.62 J	11 U
Fluorene	50	11 U	11 U	11 U
Hexachlorobenzene	0.04	11 U	11 U	11 U
Hexachlorobutadiene	0.5	11 U	11 U	11 U
Hexachlorocyclopentadiene	5	11 U	11 U	11 U
Hexachloroethane	5	11 U	11 U	11 U
Indeno[1,2,3-cd]pyrene	0.002	11 U	11 U	11 U
Isophorone	50	11 U	11 U	11 U
Naphthalene	10	11 U	11 U	11 U
Nitrobenzene	0.4	11 U	11 U	11 U
n-Nitrosodi-n-propylamine	--	11 U	11 U	11 U
n-Nitrosodiphenylamine	50	11 U	11 U	11 U
Pentachlorophenol	1	57 U	56 U	53 U
Phenanthrene	50	1.2 JM	11 U	11 U
Phenol	1	11 U	11 U	11 U
Pyrene	50	1.4 J	2.6 J	11 U

Notes:

J - Estimated value

U - Analyte was not detected at or above the reporting li

M - Manual integrated compound

NYSDEC - New York State Department of Environmental Cons

AWQSGVs - Ambient Water-Quality Standards and Guidance Va

ppb - Parts per billion

-- - No NYSDEC AWQSGV available

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 8. Summary of Metals Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: MW-1 (SB-3P) MW-2 (SB-10P) FB-081607 MR-154 SB-10P					
		Sample Date: 02/17/06	02/17/06	02/17/06	8/16/2007	8/16/2007	8/16/2007
Aluminum	--	65600	43500	500 U	29200	22800	
Antimony	3	20 U	20 U	50 U	50 U	50 U	
Arsenic	25	19.6 B	7.7 B	25 U	20 J	25 U	
Barium	1000	<b>3250</b>	729	5 U	310	400	
Beryllium	3	<b>3.7 B</b>	1.3 B	5 U	5.5	1.4 J	
Cadmium	5	<b>16.8</b>	2.3 B	10 U	3.7 J	2.8 J	
Calcium	--	182000	218000	300 U	103000	265000	
Chromium	50	<b>277</b>	<b>167</b>	10 U	<b>60</b>	<b>99</b>	
Cobalt	--	193	46.7	10 U	20	32	
Copper	200	<b>628</b>	148	10 U	82	89	
Iron	--	195000	86000	200 U	41700	46600	
Lead	25	<b>204</b>	<b>215</b>	10 U	<b>230</b>	<b>120</b>	
Magnesium	--	92400	94100	100 U	37000	71900	
Manganese	300	<b>48400</b>	<b>2880</b>	15 U	<b>940</b>	<b>2700</b>	
Mercury	0.7	0.2 U	0.13 B	0.2 U	0.41	0.21	
Nickel	100	<b>374</b>	<b>104</b>	2.4 J	72	56	
Potassium	--	32100	31800	400 U	23300	25500	
Selenium	10	30 U	30 U	30 U	30 U	30 U	
Silver	50	6 U	6 U	5 U	5 U	5 U	
Sodium	20000	<b>148000</b>	<b>61400</b>	400 U	<b>227000</b>	<b>58600</b>	
Thallium	0.5	40 U	40 U	40 U	40 U	40 U	
Vanadium	--	307	113	5 U	50	63	
Zinc	2000	782	540	50 U	650	300	

Notes:

\* - Batch QC exceeds upper or lower control limits

B - Estimated value

N - Spike recovery exceeds upper or lower control limits

U - Indicates that the compound was analyzed for but not detected

J - Sample result is greater than the MDL but below the CRDL

ft bls - Feet below land surface

ppb - Parts per billion

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

-- - No NYSDEC AWQSGV available

DUP - Duplicate sample

Bold - Concentration exceeds NYSDEC AWQSGVs

NS - Not sampled

Table 8. Summary of Metals Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: Sample Date:	SB-14P 8/16/2007	SB-3P 8/16/2007	SB-7P 8/16/2007
Aluminum	--		64200	7100	3400
Antimony	3		50 U	50 U	50 U
Arsenic	25		18 J	25 U	25 U
Barium	1000		970	370	120
Beryllium	3		<b>4.7 J</b>	5 U	5 U
Cadmium	5		4.1 J	2.2 J	10 U
Calcium	--		231000	107000	179000
Chromium	50		<b>250</b>	34	13
Cobalt	--		59	22	3.3 J
Copper	200		180	63	19
Iron	--		130000	22000	7400
Lead	25		<b>120</b>	<b>36</b>	10
Magnesium	--		99100	19500	89600
Manganese	300		<b>2900</b>	<b>8600</b>	180
Mercury	0.7		0.38	0.2 U	0.2 U
Nickel	100		<b>130</b>	42	9.8 J
Potassium	--		30000	17000	6200
Selenium	10		30 U	30 U	30 U
Silver	50		5 U	5 U	5 U
Sodium	20000		<b>144000</b>	<b>160000</b>	<b>31800</b>
Thallium	0.5		40 U	40 U	40 U
Vanadium	--		200	39	12
Zinc	2000		420	190	30 J

Notes:

- \* - Batch QC exceeds upper or lower control limits
- B - Estimated value
- N - Spike recovery exceeds upper or lower control limits
- U - Indicates that the compound was analyzed for but not detected
- J - Sample result is greater than the MDL but below the CRDL

ft bls - Feet below land surface

ppb - Parts per billion

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

-- - No NYSDEC AWQSGV available

DUP - Duplicate sample

Bold - Concentration exceeds NYSDEC AWQSGVs

NS - Not sampled

Table 9. Summary of Polychlorinated Biphenyl Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: Sample Date:	MW-1 (SB-3P) 02/17/06	MW-2 (SB-10P) 02/17/06	FB-081607 8/16/2007	MR-154 8/16/2007	SB-10P 8/16/2007	SB-14P 8/16/2007	SB-3P 8/16/2007
Aroclor-1016			1 U	1 U	0.53 U	0.57 U	0.54 U	0.53 U	0.59 U
Aroclor-1221			1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Aroclor-1232			1 U	1 U	0.53 U	0.57 U	0.54 U	0.53 U	0.59 U
Aroclor-1242			1 U	1 U	0.53 U	0.57 U	0.54 U	0.53 U	0.59 U
Aroclor-1248			1 U	1 U	0.53 U	0.57 U	0.54 U	0.53 U	0.59 U
Aroclor-1254			1 U	1 U	0.53 U	0.57 U	0.54 U	0.53 U	0.59 U
Aroclor-1260			1 U	1 U	0.53 U	0.21 JM	0.54 U	0.055 JM	0.59 U
<b>Total PCBs:</b>	0.09		0	0	0	<b>0.21</b>	0	0.055	0

Notes:

NYSDEC RSCO for Total PCBs (sum of the Aroclors)  
for subsurface soil is 0.09 ppb

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

U - Analyte was not detected at or above the reporting limit

J - Indicates an estimated value

M - Manual integrated compound

ppb - Parts per billion

ft bls - Feet below land surface

PCBs - Polychlorinated Biphenyl Compounds

Bold - Concentration exceeds NYSDEC AWQSGVs

Table 9. Summary of Polychlorinated Biphenyl Compounds Detected in Groundwater, Plaza at the Hub, Bronx, New York

---

SB-7P
8/16/2007

---

0.55 U
1.1 U
0.55 U
0.55 U
0.55 U
0.55 U
0.55 U

---

0
---

---

Table 10. Summary of Pesticides and Herbicides Detected in Groundwater, Plaza at the Hub, Bronx, New York

Parameter (Concentrations in ppb)	NYSDEC AWQSGVs (ppb)	Sample Designation: MW-1 (SB-3P) MW-2 (SB-10P) SB-3P SB-7P FB-081607					
		Sample Date: 02/17/06		02/17/06	8/16/2007	8/16/2007	8/16/2007
2,4,5-TP	--	1 U	1 U	0.57 U	0.56 U	0.53 U	
2,4-D	--	4 U	4 U	0.57 U	0.56 U	0.53 U	
4,4'-DDD	0.3	0.1 U	0.1 U	0.18 U	0.16 U	0.16 U	
4,4'-DDE	0.2	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
4,4'-DDT	0.2	0.1 U	0.1 U	0.12 U*	0.11 U*	0.11 U*	
Aldrin	--	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
alpha-BHC	--	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
beta-BHC	--	0.15	0.1 U	0.059 U	0.055 U	0.053 U	
alpha-Chlordane	--	NA	NA	0.059 U	0.055 U	0.053 U	
Chlordane	0.05	1 U	1 U	0.059 U	0.055 U	0.053 U	
delta-BHC	--	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
Dieldrin	0.004	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
Endosulfan I	--	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
Endosulfan II	--	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
Endosulfan sulfate	--	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
Endrin aldehyde	5	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
Endrin ketone	--	NA	NA	0.12 U	0.11 U	0.11 U	
Endrin	--	0.1 U	0.1 U	0.12 U	0.11 U	0.11 U	
gamma-BHC (Lindane)	--	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
Heptachlor	0.04	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
Heptachlor epoxide	0.03	0.1 U	0.1 U	0.059 U	0.055 U	0.053 U	
Methoxychlor	35	0.2 U	0.2 U	0.59 U	0.55 U	0.53 U	
Toxaphene	0.06	4 U	4 U	2.9 U	2.7 U	2.7 U	

Notes:

U - Analyte was not detected at or above the reporting limit

\* - LCS or LCSD exceeds the control limits

NA - Analyte was not analyzed for

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

Bold - Concentration exceeds standard

-- - No Standard available

ppb - Parts per billion



QUADRANGLE LOCATION



SOURCE:  
USGS; 1995, Central Park, NY  
7.5 Minute Topographic Quadrangle

Title:

**SITE LOCATION PLAN**

BLOCKS 2294 AND 2361  
BRONX, NEW YORK

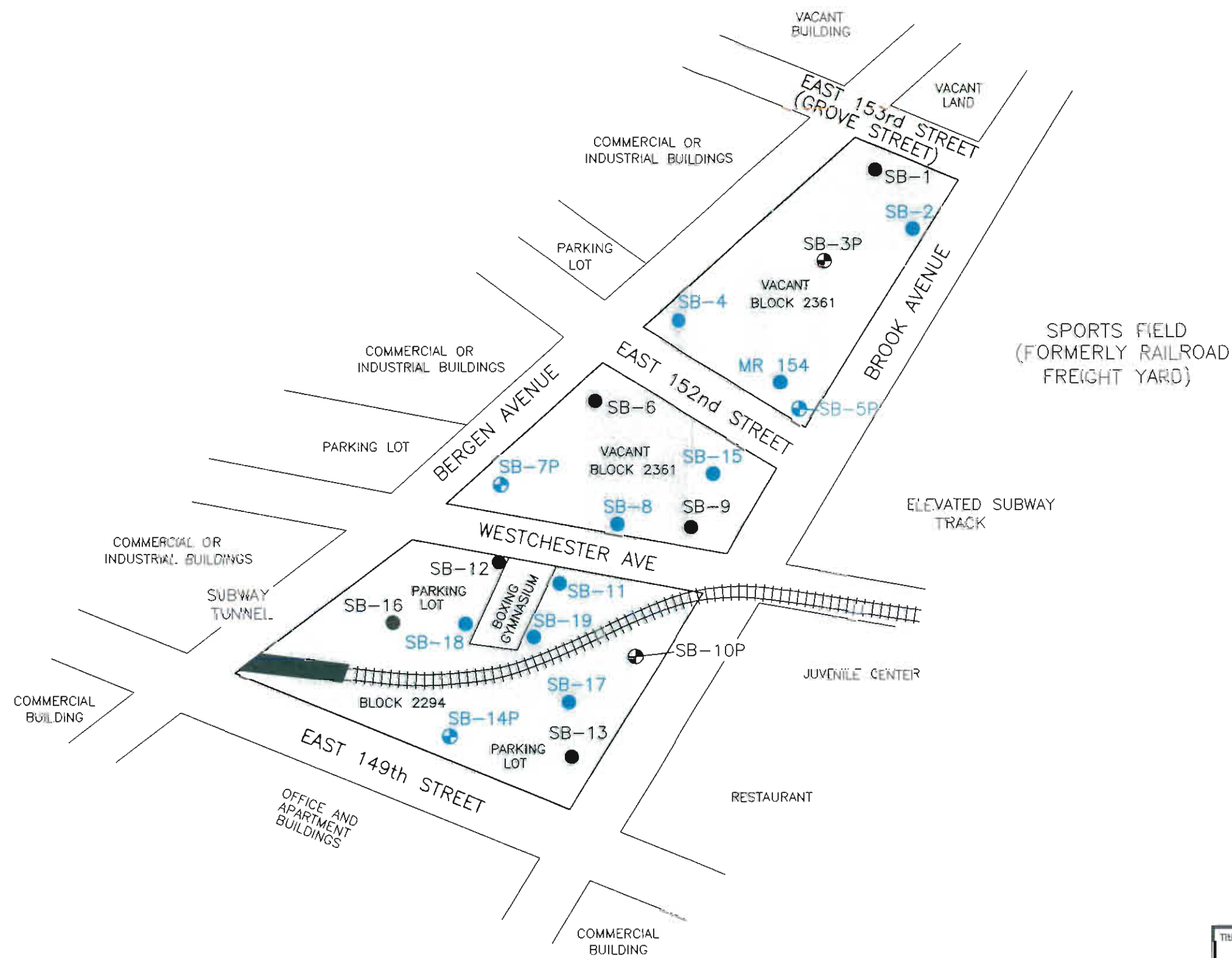
Prepared for:

BA CYPRESS BRONX HOLDINGS, LLC



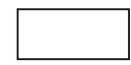


<p><b>ROUX</b> ROUX ASSOCIATES, INC. Environmental Consulting &amp; Management</p>	Compiled by: B.H.	Date: 13AUG07	FIGURE
	Prepared by: R.K.	Scale: AS SHOWN	
	Project Mgr.: B.H.	Office: NY	1
	File No.: CYE0211001.CDR	Project No.: 1289027	




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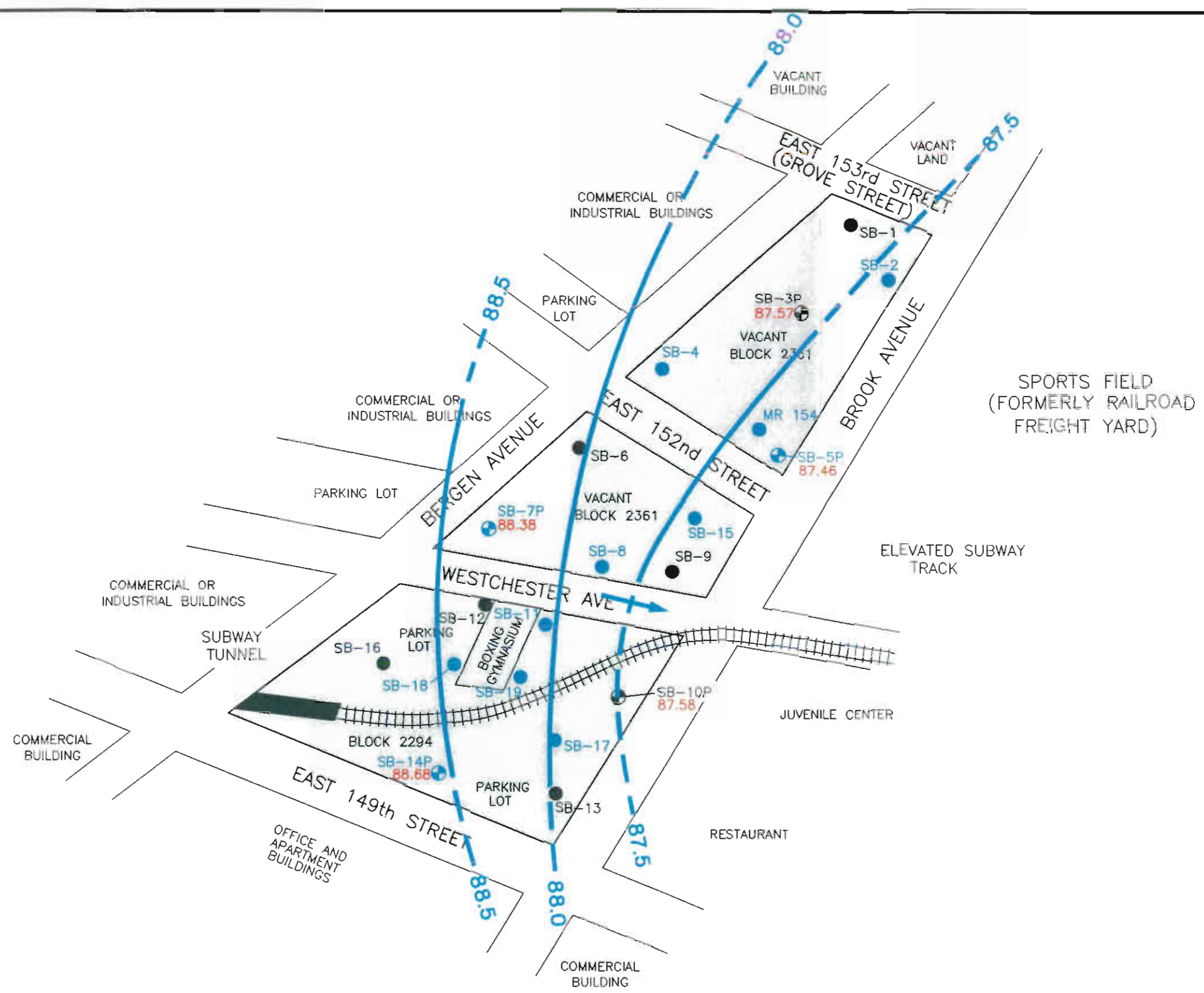
**LEGEND**

-  SB-1 LOCATION AND DESIGNATION OF SOIL BORING COMPLETED IN AUGUST 2007
-  SB-1 LOCATION AND DESIGNATION OF SOIL BORING COMPLETED IN FEBRUARY 2006
-  EXTENT OF SITE
-  SB-10P LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL COMPLETED IN AUGUST 2007
-  SB-3P LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL COMPLETED IN FEBRUARY 2006

**NOTE:**  
BASEMAP WAS NOT GENERATED FROM SURVEY SCALE IS APPROXIMATE

<b>SOIL BORING AND MONITORING WELL LOCATION MAP</b>			
PLAZA AT THE HUB - BLOCKS 2294 AND 2361 BRONX, NEW YORK			
Prepared For: BA CYPRESS BRONX HOLDINGS, LLC			
 ROUX ASSOCIATES, INC. <i>Environmental Consulting &amp; Management</i>	Compiled by: B.H.	Date: 13AUG07	FIGURE <b>2</b>
	Prepared by: R.K.	Scale: AS SHOWN	
	Project Mgr: B.H.	Office: NY	
File No: CYE0211B02	Project: 128902Y		

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- LEGEND**
- SB-1 ● LOCATION AND DESIGNATION OF SOIL BORING COMPLETED IN AUGUST 2007
  - SB-10P ⊕ LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL COMPLETED IN AUGUST 2007
  - SB-1 ● LOCATION AND DESIGNATION OF SOIL BORING COMPLETED IN FEBRUARY 2006
  - ⊕ LOCATION AND DESIGNATION OF SOIL BORING/MONITORING WELL COMPLETED IN FEBRUARY 2006
  - 87.57 WATER LEVEL ELEVATION IN MONITORING WELL 7/30/07
  - 88.0 LINE OF EQUAL WATER-LEVEL ELEVATION (SITE DATUM)
  - ← INFERRED DIRECTION OF GROUNDWATER FLOW
  - ▭ EXTENT OF SITE

**NOTE:**  
BASEMAP WAS NOT GENERATED FROM SURVEY SCALE IS APPROXIMATE

Title:			
<b>GROUNDWATER FLOW DIRECTION MAP</b>			
PLAZA AT THE HUB - BLOCKS 2294 AND 2361 BRONX, NEW YORK			
Prepared For:			
BA CYPRESS BRONX HOLDINGS, LLC			
Compiled by: B.H.	Date: 23AUG07	FIGURE	<b>3</b>
Prepared by: R.K.	Scale: AS SHOWN		
Project Mgr: B.H.	Office: NY		
File No: CYE0211803	Project: 128902Y		



**APPENDIX A**

**Soil Boring and Well Construction Logs**



**ROUX ASSOCIATES, INC.**  
Environmental Consulting  
& Management

209 Shafter Street  
Islandia, New York 11749  
Telephone: (631) 232-2600  
Fax: (631) 232-9898

## SOIL BORING LOG

WELL NO. <b>SB-2</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/25/07-7/25/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown to light brown fine to medium SAND, little Brick, trace Gravel (Fill); moist			12in Recovery
.....				0.0	Sample SB-2/0-4 collected for VOCs, SVOCs, PCBs and Metals.
.....		Brown fine to medium SAND, some Brick, trace Gravel (Fill); moist			6in Recovery
.....				0.0	
.....		Brown fine to coarse SAND, some Brick, little Gravel (Fill); moist			6in Recovery
<u>5</u>				2.4	<u>5</u>
.....		Brown fine to coarse SAND, some Brick, trace coarse Sand (Fill); moist			3in Recovery
.....				0.8	
.....		Brown medium to coarse SAND, little fine Sand, little Asphalt (Fill); moist			12in Recovery
.....		Brown to light brown fine to medium SAND, little Silt (Fill); moist		1.3	
<u>10</u>					<u>10</u>
.....		Brown to dark brown fine to coarse SAND, little Silt, trace Brick, trace Gravel, trace Asphalt (Fill); moist		2.0	
.....		Brown to dark brown fine SAND and Silt; moist			15in Recovery
.....				2.1	Sample SB-2/12-14 collected for VOCs, SVOCs, PCBs and Metals.
.....		Brown to dark brown fine to medium SAND, little Silt; wet			10in Recovery
<u>15</u>				1.6	<u>15</u>
					Bottom of boring at 16ft bis

BORING/FEET 128902Y.GPJ ROUX.GDT 8/2/07



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Environmental Consulting  
& Management

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Fax: (631) 232-9898

### SOIL BORING LOG

WELL NO. <b>SB-4</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/30/07-7/30/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
.....		Brown fine to medium SAND, some Brick, some Concrete (Fill); moist		0.2	20in Recovery
.....		Brown fine to coarse SAND, some Brick, little Gravel (Fill); moist			Sample SB-4/0-4 collected for VOCs, SVOCs, PCBs and Metals.
.....					6in Recovery
.....					0.4
.....					Rough fill, auger to 8ft
<u>5</u>		Brown fine to medium SAND, trace Gravel; moist		0.4	12in Recovery
.....		Brown fine to medium SAND, trace Gravel; moist, wet at 12ft			.....
.....					.....
.....					.....
<u>10</u>					Brown to light brown medium SAND, little fine Sand; wet
.....	Sample SB-4/10-12 collected for VOCs, SVOCs, PCBs and Metals.				
.....	0.1				
.....		Brown to light brown medium SAND, little fine Sand; wet		0.4	24in Recovery
.....					Bottom of boring at 14ft bls

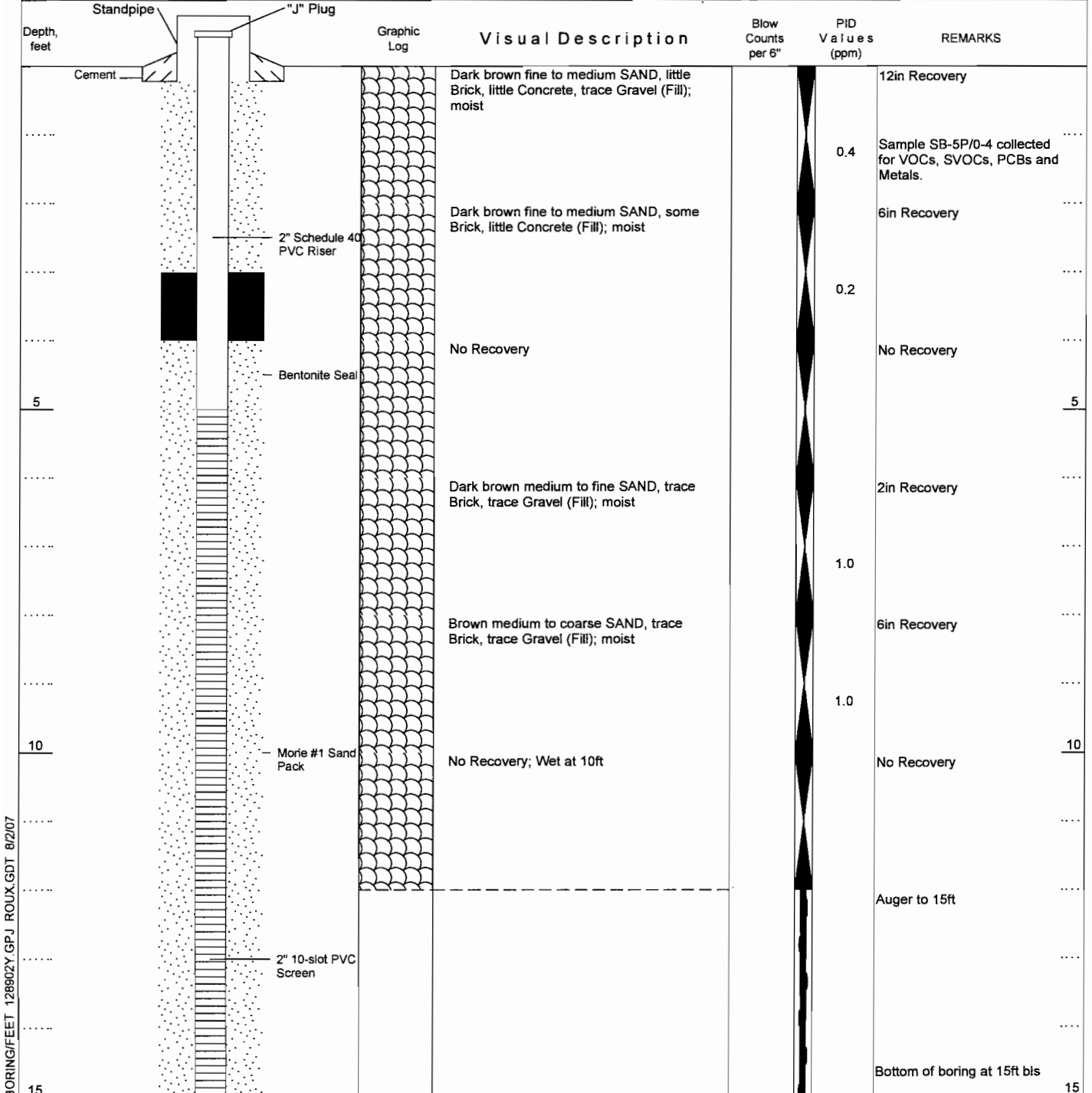


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## WELL CONSTRUCTION LOG

WELL NO. <b>SB-5P</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/27/07-7/27/07</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>	SCREEN: TYPE <b>Slotted</b> MAT. <b>PVC</b>	TOTAL LENGTH <b>10.0ft</b>	DIA. <b>2-inch</b>	SLOT SIZE <b>10-Slot</b>
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN <b>/</b>	GRAVEL PACK SIZES <b>Morie #1</b>



BORING/FEET 128902Y.GPJ ROUX.GDT 8/2/07

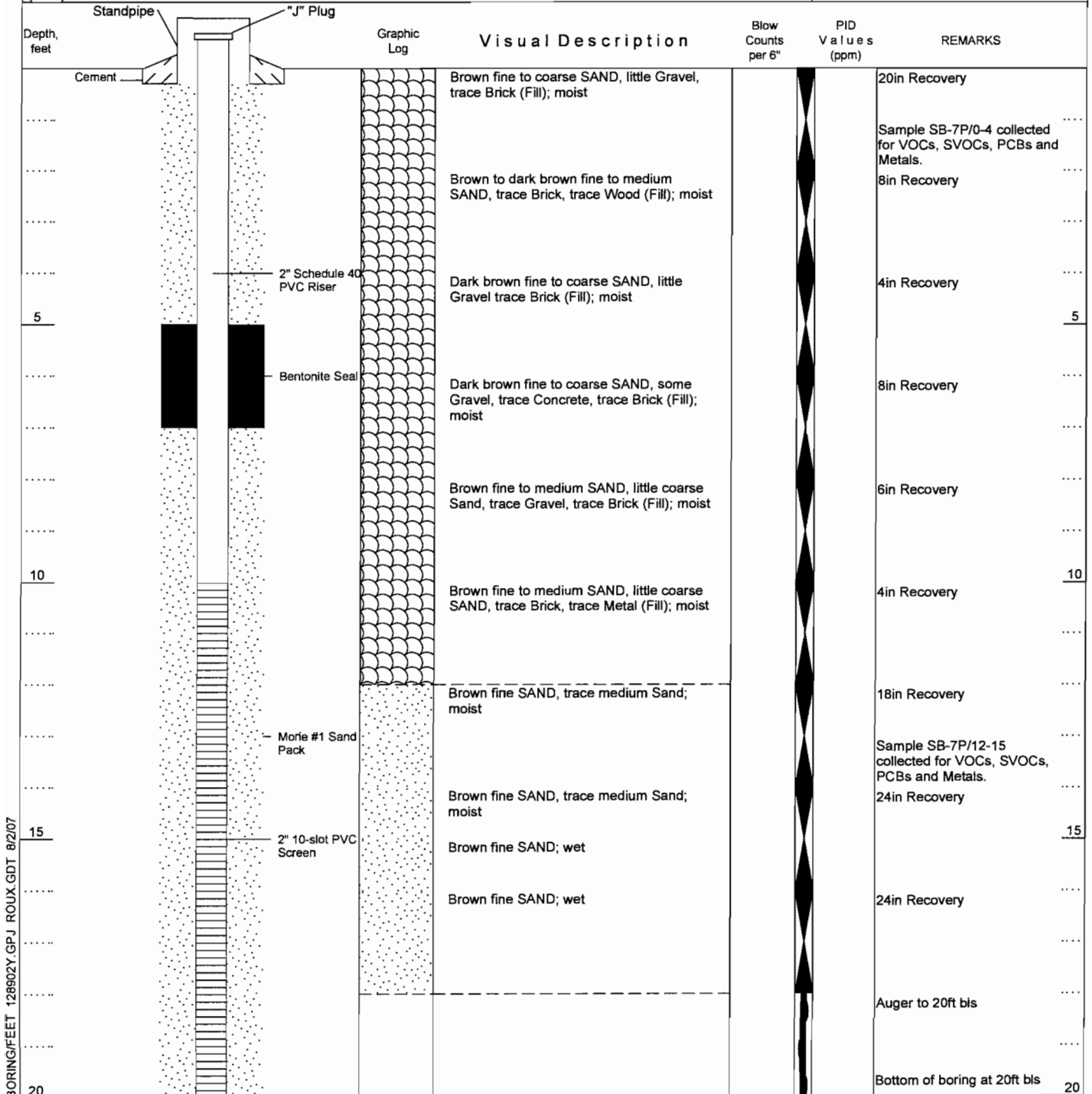


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# WELL CONSTRUCTION LOG

WELL NO. <b>SB-7P</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>
APPROVED BY	LOGGED BY <b>J. Diminich</b>	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>	SCREEN: TYPE <b>Slotted</b> MAT. <b>PVC</b>	SAMPLING METHOD <b>2" Split Spoon</b>
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN <b>/</b>
		START-FINISH DATE <b>7/26/07-7/26/07</b>
		GRAVEL PACK SIZES <b>Morie #1</b>
		TOTAL LENGTH <b>10.0ft</b> DIA. <b>2-inch</b> SLOT SIZE <b>10-Slot</b>



BORING/FEET 128902Y.GPJ ROUX.GDT 8/2/07



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Environmental Consulting  
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## SOIL BORING LOG

WELL NO. <b>SB-8</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/26/07-7/26/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Dark brown, fine to coarse SAND, little Brick, little Gravel (Fill); moist			20in Recovery
.....					Sample SB-8/0-4 collected for VOCs, SVOCs, PCBs and Metals.
.....		Dark brown fine to coarse SAND, some Brick, little Gravel (Fill); moist			18in Recovery
.....					
.....		Dark brown fine to coarse SAND, some Brick, trace Gravel (Fill); moist			6in Recovery
<u>5</u>					<u>5</u>
.....		Brown to light brown, fine SAND, some Brick, trace Gravel (Fill); moist.			12in Recovery
.....					
.....		Brown fine SAND, trace Brick, trace Gravel (Fill); moist			12in Recovery
.....					
<u>10</u>		Brown to light brown fine SAND; moist			20in Recovery
.....					Sample SB-8/10-14 collected for VOCs, SVOCs, PCBs and Metals.
.....		Brown to light brown fine SAND, little medium Sand; moist			6in Recovery
.....					
.....		Brown to light brown fine SAND, little medium Sand; wet			12in Recovery
<u>15</u>					<u>15</u>
					Bottom of boring at 16ft bls

BORING/FEET 128902Y.GPJ ROUX.GDT 8/2/07



























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## SOIL BORING LOG

WELL NO. <b>SB-11</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/31/07-7/31/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			Handcleared to 5ft bls
.....		Light brown to brown fine to medium SAND, little Brick, little Concrete (Fill); moist			Sample SB-11/0-5 collected for VOCs, SVOCs, PCBs and Metals.
.....					
.....					
.....					
5		No Recovery			No Recovery 5
.....					
.....					
.....					
.....		Brown fine to coarse SAND, some Brick, some Gravel (Fill); moist			7in Recovery
.....				0.4	
.....					
.....		Brown fine SAND, trace medium Sand, trace Silt; moist			18in Recovery
10				2.8	10
.....					
.....		Brown fine SAND, trace Silt, trace medium Sand; moist			20in Recovery
.....				2.1	
.....		Brown fine to medium SAND, little Gravel; moist			12in Recovery
.....				0.8	Sample SB-11/13-15 collected for VOCs, SVOCs, PCBs and Metals.
15		Brown fine to medium SAND, little Gravel, trace Silt; moist			9in Recovery 15
.....					
.....		Brown fine to medium SAND, some Gravel, trace Silt; wet		1.7	Bottom of boring at 17ft bls

BORING/FEET 128902Y.GPJ ROUX.GDT 8/2/07

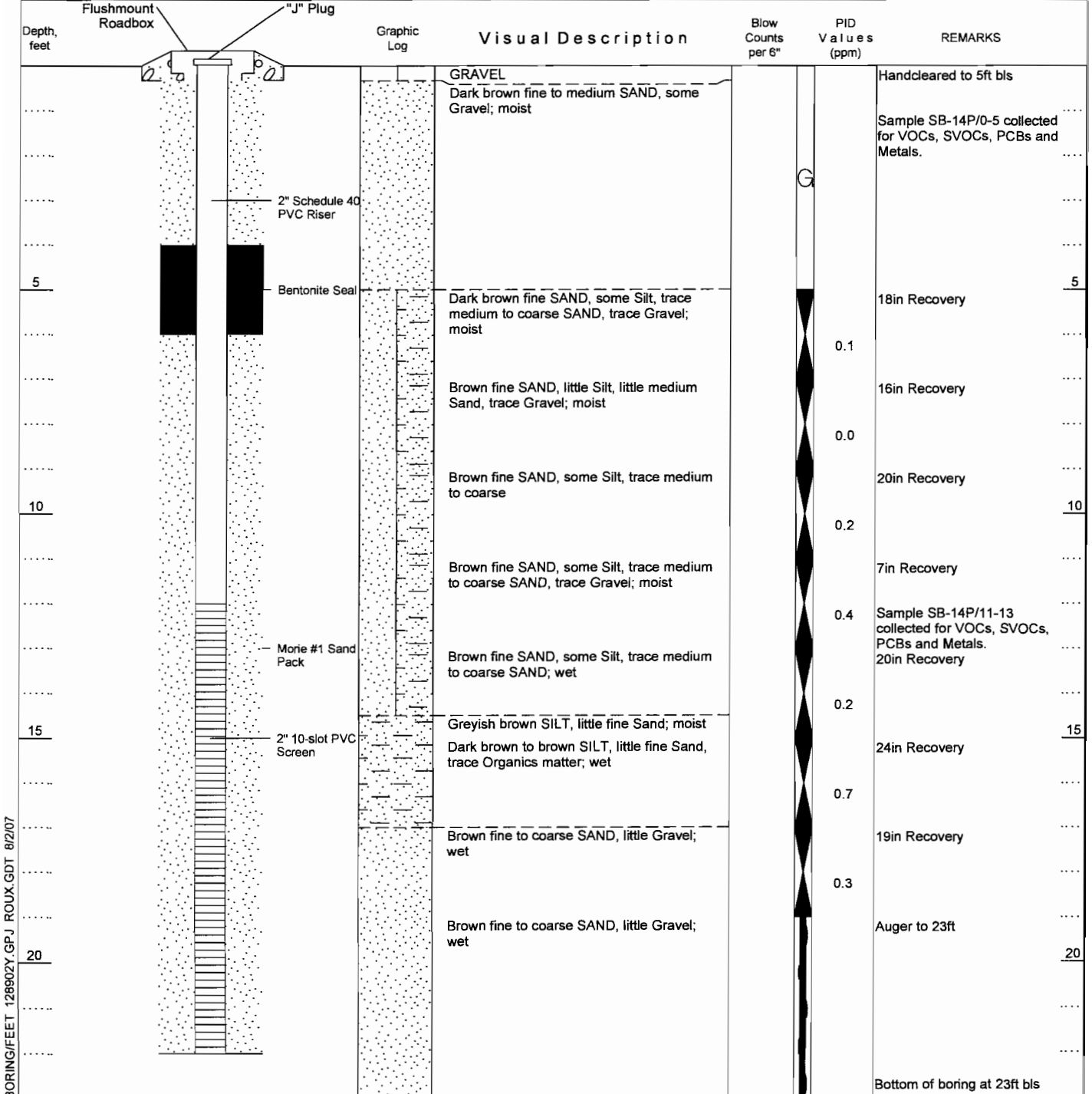


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### WELL CONSTRUCTION LOG

WELL NO. <b>SB-14P</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	GEOGRAPHIC AREA		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>8/1/07-8/1/07</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>	SCREEN: TYPE <b>Slotted</b> MAT. <b>PVC</b>	TOTAL LENGTH <b>10.0ft</b>	DIA. <b>2-inch</b>	SLOT SIZE <b>10-Slot</b>
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN <b>/</b>	GRAVEL PACK SIZES <b>More #1</b>



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## SOIL BORING LOG

WELL NO. <b>SB-15</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/25/07-7/25/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		Brown fine to coarse SAND, some Brick, some Gravel (Fill); moist			18in Recovery
0.1				0.1	Sample SB-15/0-4 collected for VOCs, SVOCs, PCBs and Metals.
2		Brown fine to coarse SAND, some Gravel, some Brick (Fill); moist			12in Recovery
3				0.3	
4		Brown fine to coarse SAND, little Brick, little Gravel (Fill); moist			16in Recovery
5				0.0	
6		Dark brown medium to coarse SAND and Gravel (Fill); moist			4in Recovery
7				0.0	Sample SB-2/6-10 collected for VOCs, SVOCs, PCBs and Metals.
8		Brown to dark brown fine to medium SAND, little Brick, trace Gravel (fill); moist			6in Recovery
9				0.7	
10					No Recovery
11					
12		Brown fine to coarse SAND, little Concrete, little Gravel, trace Brick (Fill); moist			18in Recovery
13		Brown fine to coarse SAND, little Concrete, little Gravel, trace Brick (Fill); wet			1.6
14				Bottom of boring at 14ft bls	

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### SOIL BORING LOG

WELL NO. <b>SB-17</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	SAMPLING METHOD <b>2" Split Spoon</b>
		START-FINISH DATE <b>7/31/07-7/31/07</b>
		BACKFILL <b>Cuttings</b>

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE			Handcleared to 5ft bls
		Brown fine to coarse SAND, some Brick, some Concrete (Fill); moist			Sample SB-17/0-5 collected for VOCs, SVOCs, PCBs and Metals.
5		Brown to dark brown fine to coarse SAND, some Brick, little Gravel (Fill); moist			10in Recovery
		Brown to dark brown fine to coarse SAND, some Brick, little Gravel (Fill); moist	1.3		8in Recovery
		Brown to dark brown medium to coarse SAND, some Brick, little Gravel (Fill); moist	0.8		6in Recovery
10		Brown to dark brown fine to medium SAND, little Brick, little Gravel (Fill); moist			20in Recovery
		Brown to dark brown SILT and fine Sand; wet	1.1		Sample SB-17/11-13 collected for VOCs, SVOCs, PCBs and Metals.
			1.0		16in Recovery
15			1.3		Bottom of boring at 15ft bls

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### SOIL BORING LOG

WELL NO. <b>SB-18</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>7/30/07-7/30/07</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			Handcleared to 5ft bls
.....		Brown fine to medium SAND, little Brick, little Concrete, little coarse Sand (Fill); moist			Sample SB-18/0-5 collected for VOCs, SVOCs, PCBs and Metals. ....
.....					.....
.....					.....
.....					.....
.....					.....
5		Brown fine to coarse SAND, some Brick (Fill); moist			6in Recovery <u>5</u>
.....				0.6	.....
.....		Light brown, fine to medium SAND, some Brick, trace Concrete (Fill); moist			8in Recovery
.....				0.8	.....
.....		Dark brown fine to coarse SAND, some Brick, little Gravel (Fill); moist			10in Recovery
10				1.3	<u>10</u>
.....		Brown to dark brown medium to coarse SAND, little Brick, trace fine Sand (Fill); moist			4in Recovery
.....				0.8	.....
.....		Brown to light brown fine SAND, little medium Sand; moist			12in Recovery
.....					.....
15		Light brown fine to medium SAND; wet			Sample SB-18/13-15 collected for VOCs, SVOCs, PCBs and Metals. <u>15</u>
.....					4in Recovery
.....					.....
					Bottom of boring at 17ft bls

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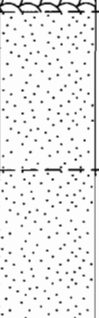
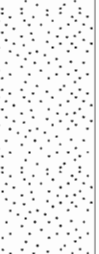



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# SOIL BORING LOG

WELL NO. <b>SB-19</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION
APPROVED BY	LOGGED BY <b>J. Diminich</b>	<b>Bronx, New York</b>
DRILLING CONTRACTOR/DRILLER <b>Warren George, Inc. /</b>		GEOGRAPHIC AREA
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>/ HSA</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>
		SAMPLING METHOD <b>2" Split Spoon</b>
		START-FINISH DATE <b>7/31/07-7/31/07</b>

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			Handcleared to 5ft bls
.....		Brown fine to coarse SAND, little Brick, little Concrete (Fill); moist			.....
.....		Brown fine to coarse SAND, some Brick, little Concrete, little Gravel (Fill); moist			.....
5		Brown fine to coarse SAND, little Brick, little Concrete, little Gravel (Fill); moist			.....
.....		Brown to light brown fine SAND, little Silt, trace medium Sand; moist			.....
10		Brown fine SAND, trace Silt; moist			.....
.....		Brown fine SAND, trace Silt; moist			.....
.....		Brown fine SAND, trace Silt; moist			.....
15		Brown to light brown fine to coarse SAND, trace Gravel; wet			.....
.....					.....
					Bottom of boring at 17ft bls

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## SOIL BORING LOG

WELL NO. <b>SB-9</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Jason Smith</b>		
DRILL BIT DIAMETER/TYPE <b>2-in. / Drive Sampler</b>	BOREHOLE DIAMETER <b>2-inches</b>	DRILLING EQUIPMENT/METHOD <b>6610 / Geoprobe</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	SAMPLING METHOD <b>2" Macro-Core</b>
		START-FINISH DATE <b>2/15/06-2/15/06</b>
		BACKFILL <b>Cuttings</b>

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown fine to coarse SAND, some Brick, little Gravel, little Concrete (Fill); dry		1.1	Concrete/Brick wall or footing at original location in the 0-6 foot interval.
		Brown fine to coarse SAND, some Brick, some Gravel, little Concrete (Fill); dry		0	Void space in the 3-4 foot interval at the original location.
5		Brown fine to coarse SAND, some Gravel, little Concrete, trace Brick (Fill); dry			Sample SB-9/4-6 collected for VOCs, SVOCs, PCBs and Metals.
		Brown fine to coarse SAND, some Brick, little Gravel, little Concrete (Fill); dry		5.7	Refusal at 4 feet bls. Several attempts made to recover 5-10 foot interval.
				5.8	
10		Dark brown to brown fine to coarse SAND, little Brick, little Concrete, little Wood, trace Glass, trace Silt, trace Clay (Fill); dry to moist		2.6	
		Brown SILT and fine SAND, some Clay, little medium to coarse Sand, trace Gravel; moist		6.0	
15		Dark brown to brown fine to coarse SAND, little Brick, little Concrete, little Wood, trace Glass, trace Silt, trace Clay (Fill); dry to moist			Sample SB-9/14-16 collected for VOCs, SVOCs, PCBs and Metals.
		Brown SILT and fine SAND, some Clay, little medium to coarse Sand, trace Gravel; moist			
		Dark grey medium to coarse SAND, little Gravel; wet at 16 feet below land surface (bls)			
		Brown to orange medium to coarse SAND; wet			
		Brown fine SAND; wet			
20					Bottom of boring at 20 feet bls.

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# SOIL BORING LOG

WELL NO. <b>SB-6</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Jason Smith</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>2-in. / Drive Sampler</b>	BOREHOLE DIAMETER <b>2-inches</b>	DRILLING EQUIPMENT/METHOD <b>6610 / Geoprobe</b>	SAMPLING METHOD <b>2" Macro-Core</b>	START-FINISH DATE <b>2/15/06-2/15/06</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
.....		Dark brown to brown fine to coarse SAND, some Brick, little Gravel, trace Silt, trace Wood, trace Concrete (Fill); moist	.....	0	Sample SB-6/0-4 collected for VOCs, SVOCs, PCBs, Metals, Herbicides and Pesticides.
.....		Dark brown to brown fine to coarse SAND, some Brick, little Gravel, trace Silt, trace Wood, trace Concrete (Fill); moist		0	
<u>5</u>		Brown fine to coarse SAND, little Wood, little Styrofoam, little Concrete, little Rock fragments (Fill); dry	.....	.....	Little recovery in the 5-10 foot interval.
.....				4.5	
<u>10</u>		Brown medium to coarse SAND, little Gravel, little Concrete, little Rock fragments, trace Wood (Fill); dry to moist		2.5	
.....		Light brown fine to medium SAND, little coarse Sand, little Gravel; moist	.....	0	
.....		Brown medium to coarse SAND, trace fine Gravel; moist to wet at 16 feet below land surface (bls)		.....	Sample SB-6/14-16 collected for VOCs, SVOCs, PCBs and Metals.
<u>15</u>		Brown medium to coarse SAND, trace fine Gravel; wet		2.4	
.....				.....	
<u>20</u>		Brown medium to coarse SAND, trace fine Gravel; wet	.....	.....	
.....				.....	
.....			.....		Bottom of boring at 24 feet bls.

BORING/FEET 128902Y.GPJ ROUX.GDT 3/6/06





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# WELL CONSTRUCTION LOG

WELL NO. <b>SB-3P/MW-1</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Chris Stratton</b>		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>CME-LC60 / HSA</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>	SCREEN: <b>TYPE Slotted</b>	SAMPLING METHOD <b>2" Split Spoon</b>
ELEVATION OF: (Feet)		START-FINISH DATE <b>2/16/06-2/16/06</b>
GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
		GRAVEL PACK SIZES <b>Morie #1</b>
MAT. <b>PVC</b>		TOTAL LENGTH <b>10.0ft</b>
DIA. <b>2-inch</b>		SLOT SIZE <b>10-Slot</b>

Depth, feet	Flushmount Roadbox	"J" Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0				CONCRETE and ROCK, some brown fine to coarse Sand, trace Brick, trace Roots, trace Gravel (Fill); moist		0.8	Sample SB-3P/0-4 collected for VOCs, SVOCs, PCBs, Metals, Herbicides and Pesticides.
1.8				Brown fine to coarse SAND, little Concrete, trace Brick, trace Gravel (Fill); dry		1.8	
5				Dark brown fine to coarse SAND, some Concrete, little Rock (Fill); dry		9.6	6 inches of recovery.
9.6				Dark brown fine to coarse SAND, some Concrete, little Rock, little Brick (Fill); dry		8.6	6 inches of recovery.
10				Brown fine to coarse SAND, little Concrete, little Brick, trace Gravel (Fill); dry		6.2	6 inches of recovery.
10				Brown fine to coarse SAND, little Concrete, little Brick, trace Gravel, trace Rubber (Fill); dry		0	Split-spoon refusal on concrete at 11 feet bls.
11				CONCRETE			
15				Brown to tan medium to coarse SAND, little Gravel, little Brick, trace Concrete (Fill); dry		2.1	Sample SB-3P/14-16 collected for VOCs, SVOCs, PCBs and Metals.
15				Tan fine to medium SAND, trace coarse Sand; moist		1.5	
16				Tan fine to medium SAND; wet at 16 feet below land surface (bls)		0	
17				Tan fine to medium SAND, trace fine Gravel; wet		0	
20				Tan fine to medium SAND, trace fine Gravel; wet		0	
20				Brown to tan fine to medium SAND, trace fine Gravel; wet			
24				Bottom of boring at 24 feet bls.			

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Fax: (631) 232-9898

### SOIL BORING LOG

WELL NO. <b>SB-16</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>	GEOGRAPHIC AREA
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Chris Stratton</b>		
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>CME-LC60 / HSA</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	SAMPLING METHOD <b>2" Split Spoon</b>
		START-FINISH DATE <b>2/17/06-2/17/06</b>
		BACKFILL <b>Sand/Bentonite</b>

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0		Brown fine to coarse SAND, some Brick, little Gravel, little Concrete (Fill); dry	0		
0		Brown fine to coarse SAND, some Brick, little Gravel, little Concrete (Fill); dry	0		
5		Brown fine to coarse SAND, some Brick, little Gravel, little Concrete (Fill); dry to moist			Sample SB-16/4-8 collected for VOCs, SVOCs, PCBs and Metals.
5		Tan fine to coarse SAND, trace Gravel (Fill); dry to moist	0.1		5
0		Tan fine to medium SAND, trace Gravel (Fill); dry to moist	0		
0		BRICK and SLAG (Fill); dry			2 inches recovery.
10		Brown fine SAND, trace Gravel, trace Rock fragments (Fill); moist			10
0		Tan fine SAND and ROCK fragments (Fill); dry to moist	0		4 inches recovery.
0		Brown fine to coarse SAND, some Brick, some Concrete, trace Rock fragments (Fill); dry	0		Sample SB-16/14-16 collected for VOCs, SVOCs, PCBs and Metals.
15		CONCRETE			15
					Refusal at 16 feet bls.

BORING FEET 128902Y.GPJ ROUX.GDT 3/6/06



ROUX ASSOCIATES, INC.  
Environmental Consulting  
& Management

209 Shafter Street  
Islandia, New York 11749  
Telephone: (631) 232-2600  
Fax: (631) 232-9898

# SOIL BORING LOG

WELL NO. <b>SB-13</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION		
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>J. Sakellis</b>	<b>Bronx, New York</b>		
DRILLING CONTRACTOR/DRILLER <b>Roux Associates / John Veiss</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>2-in. / Drive Sampler</b>	BOREHOLE DIAMETER <b>2-inches</b>	DRILLING EQUIPMENT/METHOD <b>6620 / Geoprobe</b>	SAMPLING METHOD <b>2" Macro-Core</b>	START-FINISH DATE <b>2/17/06-2/17/06</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		CONCRETE			
		Brown fine to coarse SAND, some Brick, trace Cobbles (Fill); moist		1.3	
		Brown fine to coarse SAND, some Gravel, some Brick, little Concrete (Fill); moist		2.8	
5		GRAVEL, some brown fine to coarse Sand, little Brick, little Concrete (Fill); moist			
		GRAVEL, some brown fine to coarse Sand, little Brick, little Concrete (Fill); moist		2.5	
		Brown fine to medium SAND, some Gravel, trace Brick (Fill); moist		3.0	Sample SB-13/6-8 collected for VOCs, SVOCs, PCBs and Metals.
		Brown fine to medium SAND, little Gravel, trace Silt, moist		1.9	
10		Brown medium SAND, little Gravel; moist			
		Brown to black fine to medium SAND, little coarse Sand, little Gravel; moist to wet at 14 feet below land surface (bls)		1.7	
		Brown fine to medium SAND, little Gravel, trace Silt; wet		1.8	Sample SB-13/12-14 collected for VOCs, SVOCs, PCBs and Metals.
15					Bottom of boring at 15 feet bls.

BORING/FEET 128902Y.GPJ ROUX.GDT 3/6/06



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### SOIL BORING LOG

WELL NO. <b>SB-12</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>		
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>	GEOGRAPHIC AREA		
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Jason Smith</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>2-in. / Drive Sampler</b>	BOREHOLE DIAMETER <b>2-inches</b>	DRILLING EQUIPMENT/METHOD <b>6610 / Geoprobe</b>	SAMPLING METHOD <b>2" Macro-Core</b>	START-FINISH DATE <b>2/15/06-2/15/06</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS	
.....		Brown fine to coarse SAND, little Brick, little Concrete, little Gravel (Fill); dry	.....	2.8	.....	
.....		Brown fine to coarse SAND, little Brick, little Concrete, little Gravel (Fill); dry	.....	1.4	Vertical steel pipe in hole; location was moved 6 inches.	
.....		BRICK and SLAG, some fine to coarse Sand (Fill); dry	.....	5	Sample SB-12/4-6 collected for VOCs, SVOCs, PCBs and Metals.	
5		.....	.....	7.2	Little recovery in the 5-10 foot interval.	
.....		Brown fine to coarse SAND and CONCRETE, trace Brick (Fill); moist	.....	3.9	.....	
.....		SLAG, some brown fine to coarse Sand (Fill); dry	.....	3.9	.....	
10		.....	SLAG, little brown fine to coarse Sand (Fill); dry	.....	10	.....
.....		.....	Brown to orange fine to medium SAND, trace Gravel; dry	.....	5.3	.....
.....		.....	Tan fine to medium SAND; dry	.....	5.1	.....
15		.....	Tan fine to medium SAND; dry to moist	.....	5.2	.....
.....	.....	Tan fine to medium SAND; moist to wet at 20 feet below land surface (bls)	.....	5.1	Sample SB-12/18-20 collected for VOCs, SVOCs, PCBs and Metals.	
20	.....	.....	.....	5.1	Bottom of boring at 20 feet bls.	

BORING/FEET 128902Y.GPJ ROUX.GDT 3/6/06



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## WELL CONSTRUCTION LOG

WELL NO. <b>SB-10P/MW-2</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>	LOCATION	
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>			GEOGRAPHIC AREA <b>Bronx, New York</b>	
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>C. Battista</b>			
DRILLING CONTRACTOR/DRILLER <b>Aquifer Drilling &amp; Testing / Chris Stratton</b>				
DRILL BIT DIAMETER/TYPE <b>6.25-in. / Auger</b>	BOREHOLE DIAMETER <b>10-inches</b>	DRILLING EQUIPMENT/METHOD <b>CME-LC60 / HSA</b>	SAMPLING METHOD <b>2" Split Spoon</b>	START-FINISH DATE <b>2/17/06-2/17/06</b>
CASING MAT./DIA. <b>PVC / 2-inch</b>	SCREEN: TYPE <b>Slotted</b>	MAT. <b>PVC</b>	TOTAL LENGTH <b>10.0ft</b>	DIA. <b>2-inch</b> SLOT SIZE <b>10-Slot</b>
ELEVATION OF: (Feet)			GRAVEL PACK SIZES <b>Morie #1</b>	
GROUND SURFACE			TOP OF WELL CASING	
			TOP & BOTTOM SCREEN <b>/</b>	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		<p>CONCRETE</p> <p>Brown fine to coarse SAND, some Brick, little Concrete, little Gravel (Fill); dry</p> <p>Brown fine to coarse SAND, some Brick, little Concrete, little Gravel (Fill); dry</p> <p>Brown fine to coarse SAND, some Brick, little Concrete, little Gravel (Fill); dry</p> <p>BRICK, little brown Sand, trace Gravel (Fill); dry</p> <p>Brown fine to coarse SAND and BRICK, trace Gravel, trace Rock fragments (Fill); dry</p> <p>BRICK, some Rock fragments, trace Sand (Fill); dry</p> <p>Brown fine to coarse SAND and ROCK fragments (Fill); dry</p> <p>Tan medium to coarse SAND; wet at 15 feet below land surface (bls)</p> <p>Tan fine to medium SAND; wet</p> <p>Tan fine to medium SAND; wet</p>			<p>Sample SB-10P/0-4 collected for VOCs, SVOCs, PCBs, Metals, Herbicides and Pesticides. SB-10P/0-4 MS and MSD samples also collected for analysis above.</p> <p>Split-spoon refusal at 11 feet, hard drilling in the 11-15 foot interval.</p> <p>Sample SB-10P/15-17 collected for VOCs, SVOCs, PCBs and Metals.</p>
5				3.3	
				0.6	
				0.5	5
				0.7	
				0.9	10
				0	
				2.7	15
20					20
Bottom of boring at 24 feet bls.					

BORING FEET 128902Y.GPJ ROUX.GDT 3/6/06



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### SOIL BORING LOG

WELL NO. <b>SB-1</b>	NORTHING <b>Not Measured</b>	EASTING <b>Not Measured</b>		
PROJECT NO./NAME <b>128902Y / Plaza at the Hub</b>		LOCATION <b>Bronx, New York</b>		
APPROVED BY <b>C. Battista</b>	LOGGED BY <b>J. Sakellis</b>	GEOGRAPHIC AREA		
DRILLING CONTRACTOR/DRILLER <b>Roux Associates / John Veiss</b>		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE <b>2-in. / Drive Sampler</b>	BOREHOLE DIAMETER <b>2-inches</b>	DRILLING EQUIPMENT/METHOD <b>6620 / Geoprobe</b>	SAMPLING METHOD <b>2" Macro-Core</b>	START-FINISH DATE <b>2/17/06-2/17/06</b>
LAND SURFACE ELEVATION <b>Not Measured</b>	DEPTH TO WATER <b>Not Measured</b>	BACKFILL <b>Cuttings</b>		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
.....		Dark brown fine to medium SAND, little Gravel, little Brick, trace Wood (Fill); moist	.....	.....	.....
.....		Light brown fine to medium SAND, little Gravel, trace Brick, trace Ceramic tile (Fill); moist	.....	1.1	.....
.....		Dark brown fine to coarse SAND, some Brick, little Gravel, little Concrete, trace Ceramic tile (Fill); moist	.....	.....	.....
.....		Dark brown fine to coarse SAND, some Brick, little Gravel, little Concrete, trace Ceramic tile (Fill); moist	.....	1.0	.....
5		Dark brown fine to coarse SAND, some Brick, little Gravel, little Concrete, trace Ceramic tile (Fill); moist	.....	.....	5
.....		BRICK (Fill); dry	.....	.....	.....
.....		Brown fine to coarse SAND, little Gravel, little Cobbles (Fill); moist	.....	0.7	.....
.....		Brown fine to medium SAND, little Rock fragments, trace Gravel, trace dark brown Silt, trace Clay (Fill); moist	.....	0.9	.....
.....		Brown fine to medium SAND, little Rock fragments, trace Gravel, trace dark brown Silt, trace Clay (Fill); moist	.....	.....	Sample SB-1/8-10 collected for VOCs, SVOCs, PCBs and Metals.
10		Brown fine SAND, little Gravel, trace dark brown Silt, trace Clay; moist	.....	1.4	10
.....		Brown fine to medium SAND, little Gravel; moist to wet at 15 feet below land surface (bls)	.....	1.3	.....
.....		Light brown fine to coarse SAND, little Gravel; wet	.....	.....	.....
15		Light brown fine to coarse SAND, little Gravel; wet	.....	1.1	15
.....		Light brown fine to coarse SAND, little Gravel; wet	.....	.....	.....
.....		Light brown fine to coarse SAND, little Gravel; wet	.....	.....	Bottom of boring at 17.5 feet bls.

BORING/FEET 128902Y.GPJ ROUX.GDT 3/6/06

**APPENDIX B**

**Soil and Groundwater Sample Inventory**

## Soil Sample Inventory

<u>Sample ID</u>	<u>Date Collected</u>	<u>Analyses</u>
SB-1 (8-10)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-1 (13-15)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-2 (0-4)	7/25/07	VOCs, SVOCs, TAL Metals, PCBs
SB-2 (12-14)	7/25/07	VOCs, SVOCs, TAL Metals, PCBs
SB-3P (0-4)	2/16/06	VOCs, SVOCs, TAL Metals, PCBs, Pesticides/Herbicides
SB-3P (14-16)	2/16/06	VOCs, SVOCs, TAL Metals, PCBs
SB-4 (0-4)	7/30/07	VOCs, SVOCs, TAL Metals, PCBs
SB-4 (10-12)	7/30/07	VOCs, SVOCs, TAL Metals, PCBs
SB-5 (0-4)*	7/27/07	VOCs, SVOCs, TAL Metals, PCBs
SB-6 (0-4)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs, Pesticides/Herbicides
SB-6 (14-16)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs
SB-7P (0-4)	7/26/07	VOCs, SVOCs, TAL Metals, PCBs
SB-7P (12-15)	7/26/07	VOCs, SVOCs, TAL Metals, PCBs
SB-8 (0-4)	7/26/07	VOCs, SVOCs, TAL Metals, PCBs
SB-8 (10-14)	7/26/07	VOCs, SVOCs, TAL Metals, PCBs
SB-9 (4-6)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs
SB-9 (14-16)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs
SB-10P(0-4)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs, Pesticides/Herbicides
SB-10P(15-17)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-11 (0-4)	7/30/07	VOCs, SVOCs, TAL Metals, PCBs
SB-11 (13-15)	7/31/07	VOCs, SVOCs, TAL Metals, PCBs
SB-12 (4-6)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs
SB-12(18-20)	2/15/06	VOCs, SVOCs, TAL Metals, PCBs
SB-13 (6-8)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-13 (12-14)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-14P (0-5)	8/1/07	VOCs, SVOCs, TAL Metals, PCBs
SB-14P(11-13)	8/1/07	VOCs, SVOCs, TAL Metals, PCBs
SB-15 (0-4)	7/25/07	VOCs, SVOCs, TAL Metals, PCBs
SB-15 (6-10)	7/25/07	VOCs, SVOCs, TAL Metals, PCBs
SB-16 (4-6)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-16 (14-16)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-17 (0-5)	7/31/07	VOCs, SVOCs, TAL Metals, PCBs
SB-17 (11-13)	7/31/07	VOCs, SVOCs, TAL Metals, PCBs
SB-18 (0-5)	7/30/07	VOCs, SVOCs, TAL Metals, PCBs
SB-18 (13-15)	7/30/07	VOCs, SVOCs, TAL Metals, PCBs
SB-19 (13-15)**	7/30/07	VOCs, SVOCs, TAL Metals, PCBs

\* SB-5 deep sample could not be collected due to void at depth.

\*\*SB-19 shallow sample was not collected due to poor recovery



## Groundwater Sample Inventory

<u>Sample ID</u>	<u>Date Collected</u>	<u>Analyses</u>
MW-1 (SB-3P)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-3P	8/16/07	VOCs, SVOCs, TAL Metals, PCBs, Pests/Herbs
MW-2 (SB-10P)	2/17/06	VOCs, SVOCs, TAL Metals, PCBs
SB-10P	8/16/07	VOCs, SVOCs, TAL Metals, PCBs,
SB-7P	8/16/07	VOCs, SVOCs, TAL Metals, PCBs, Pests/Herbs
SB-14P	8/16/07	VOCs, SVOCs, TAL Metals, PCBs
MR-154	8/16/07	VOCs, SVOCs, TAL Metals, PCBs

**APPENDIX C**

**Chain of Custody Forms**

# Chain of Custody Record

SEVERN  
TRENT

# STL

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Box Associates, Inc. Project Manager: W. Holubowich Date: 7/26/07 Chain of Custody Number: 350253

Address: 209 Surfco St Telephone Number (Area Code)/Fax Number: (609) 252-2400 / 789985 Lab Number: \_\_\_\_\_ Page 1 of \_\_\_\_\_

City: Elizabeth State: NJ Zip Code: 07208 Site Contact: J. Dimachen Lab Contact: J. Duliancik

Project Name and Location (State): Hub, Bunk NJ 1289027 Carrier/Waybill Number: \_\_\_\_\_

Contract/Purchase Order/Quote No.:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives						Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH					
SB-2/10-4	7/10/07	1010															
SB-2/12-14	7/23/07	1110															
SB-15/10-4	7/25/07	1225															
SB-15/10-10	7/25/07	1430															
FB-072507	7/25/07	1515		✓			✓		12								
FB-072607	7/26/07	1810		✓			✓		12								
SB-7P/10-4	7/26/07	0830															
SB-7P/12-15	7/26/07	0845															
SB-8/10-14	7/26/07	1313															
SB-8/10-4	7/26/07	1730															
Top Bank	7/26/07			✓													

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown

Sample Disposal:  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other \_\_\_\_\_

QC Requirements (Specify):

1. Relinquished By: <u>J. Duliancik</u> Date: <u>7/26/07</u> Time: <u>1410</u>	1. Received By: <u>Richard J. Ford</u> Date: <u>7/26/07</u> Time: <u>1413</u>
2. Relinquished By: _____ Date: _____ Time: _____	2. Received By: _____ Date: _____ Time: _____
3. Relinquished By: _____ Date: _____ Time: _____	3. Received By: _____ Date: _____ Time: _____

Comments:

# Chain of Custody Record

STL-4124 (0901)

Client <i>Bay Associates, Inc.</i>			Project Manager <i>W. Polubinski</i>			Date <i>7/27/07</i>	Chain of Custody Number <i>350254</i>
Address <i>200 Sutter St</i>			Telephone Number (Area Code)/Fax Number <i>631-652-2000/2994</i>			Lab Number	
City <i>Jersey City</i>	State <i>NJ</i>	Zip Code <i>07310</i>	Site Contact <i>J. Diannich</i>		Lab Contact <i>J. Dunanick</i>		Page <i>1</i> of <i>1</i>
Project Name and Location (State) <i>1142-3000, NJ</i>			Carrier/Waybill Number <i>CAJ008</i>				Analysis (Attach list if more space is needed)
Contract/Purchase Order/Quote No.			Containers & Preservatives				

Sample I.D. No. and Description <small>(Containers for each sample may be combined on one line)</small>	Date	Time	Matrix				Containers & Preservatives						Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH				
<i>FB-012701</i>	<i>7/27/07</i>	<i>0720</i>		<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>3007 8270 C 7002 8082 10016 6010 B 10022 8240 B</i>
<i>7001008</i>	<i>7/27/07</i>			<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>						
<i>SB-5P/0-4</i>	<i>7/27/07</i>	<i>0830</i>				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								

Possible Hazard Identification			Sample Disposal			(A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard	<input type="checkbox"/> Flammable	<input type="checkbox"/> Skin Irritant	<input type="checkbox"/> Poison B	<input type="checkbox"/> Unknown	<input type="checkbox"/> Return To Client	<input type="checkbox"/> Disposal By Lab	<input type="checkbox"/> Archive For _____ Months

Turn Around Time Required	QC Requirements (Specify)
<input type="checkbox"/> 24 Hours <input type="checkbox"/> 48 Hours <input type="checkbox"/> 7 Days <input type="checkbox"/> 14 Days <input type="checkbox"/> 21 Days <input type="checkbox"/> Other _____	

1. Relinquished By <i>J. Diannich</i>	Date <i>7/27/07</i>	Time <i>1145</i>	1. Received By <i>Richard J. Pol</i>	Date <i>7/27/07</i>	Time <i>1145</i>
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: *ANKDLC Car.B. reference only*



# CHAIN OF CUSTODY

11558 Y

**ROUX ASSOCIATES, INC.**  
Environmental Consulting  
& Management

209 SHAFER STREET  
ISLANDIA, NEW YORK 11749-5074  
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PAGE | OF |

PROJECT NAME

Hub - X

PROJECT NUMBER

12891024

PROJECT LOCATION

Bronx, NY

PROJECT MANAGER

W. Holubowich

SAMPLER(S)

J Diminich

SAMPLE MATRIX

VOA 8260

SVOA 8082

PCB 8270

Metals 6010

TOTAL BOTTLES

SAMPLE DESIGNATION / LOCATION

DATE COLLECTED

TIME COLLECTED

NOTES

SB-11/04

07-30-07

0815

soil

✓

✓

✓

✓

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SB-4/04

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DATE

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DATE

TIME

SEAL INTACT Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT Y OR N

DELIVERY METHOD

COMMENTS

NYSDEC Cont B deliverable

ANALYTICAL LABORATORY



# CHAIN OF CUSTODY

IT 11506 Y

**ROUX ASSOCIATES, INC.**Environmental Consulting  
& Management209 SHAFTER STREET  
ISLANDIA, NEW YORK 11749-5074  
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PAGE OF

PROJECT NAME

The Hub

PROJECT NUMBER

128902Y

PROJECT LOCATION

Bronx, NY

PROJECT MANAGER

W Holubowich

SAMPLER(S)

J. Diminich

SAMPLE  
DESIGNATION / LOCATIONDATE  
COLLECTEDTIME  
COLLECTED

SAMPLE MATRIX

VOA 8260

SVOA 8082

PCB 8270

METALS 6010

TOTAL BOTTLES

NOTES

SB-11/13-15

7/31/07

0840

soil

✓

✓

✓

✓

2

SB-19/13-15

↑

1050

soil

✓

✓

✓

✓

2

~~SB-17/11-13~~ Trip Blank

↓

0815

ag

✓

✓

✓

✓

2

FB-073107

↓

0815

ag

✓

✓

✓

✓

7

SB-17/11-13

↓

1330

soil

✓

✓

✓

✓

2

SB-17/11-13

7/31/07

1340

soil

✓

✓

✓

✓

2

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL  
INTACT  
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL  
INTACT  
Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL  
INTACT  
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL  
INTACT  
Y OR N

DELIVERY METHOD

courier pickup

COMMENTS

NYSDEC Category B deliverables  
Standard TAT

ANALYTICAL LABORATORY

S&amp;E Test America CT



# CHAIN OF CUSTODY

11/15/07 Y

**ROUX ASSOCIATES, INC.**

Environmental Consulting  
& Management

209 SHAFTER STREET  
ISLANDIA, NEW YORK 11749-5074  
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PAGE 1 OF 1

PROJECT NAME

HUB

PROJECT NUMBER

1289102Y

PROJECT LOCATION

Bronx, NY

PROJECT MANAGER

W Holdrege

SAMPLER(S)

J Diminich

SAMPLE DESIGNATION / LOCATION

DATE COLLECTED

TIME COLLECTED

SAMPLE MATRIX

VOA 8260

SMA 8082

PCB 8270

Metals 6010

TOTAL BOTTLES

NOTES

SB-14P/0-5

8/1/07

0840

soil

X

X

X

X

2

SB-14P/11-13

8/1/07

1000

soil

X

X

X

X

2

FB-080107

8/1/07

1100

ag

X

X

X

X

7

Trip Blank

8/1/07

ag

X

2

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT

Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT

Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT

Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT

Y OR N

DELIVERY METHOD

COMMENTS

ANALYTICAL LABORATORY

NYSDEC Category B deliverables  
Standard TAT



# CHAIN OF CUSTODY

MS 11445 Y

**ROUX ASSOCIATES, INC.**  
Environmental Consulting  
& Management

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ISLANDIA, NEW YORK 11749-5074  
(631) 232-2600 FAX: (631) 232-9898

ANALYSES

PAGE 1 OF 1

PROJECT NAME

Hub

PROJECT NUMBER

128902Y

PROJECT LOCATION

Bronx, NY

PROJECT MANAGER

W. Holubowich

SAMPLER(S)

J Diminich, A Fernandez

SAMPLE DESIGNATION / LOCATION

DATE COLLECTED

TIME COLLECTED

SAMPLE MATRIX

Metals w/HNO3

6010 TAL

VOA w/HCl

8260B TCL

8082 TCL

PCBs 8270 TCL

Pest 8051A TCL

1616 8151A

TOTAL BOTTLES

NOTES

SB-14P

8/16/07

0900

gw

1

2

2

2

7

SB-7P

8/16/07

0930

gw

1

2

2

2

2

11

SB-3P

8/16/07

1035

gw

1

2

2

2

2

11

MR-154

8/16/07

1100

gw

1

2

2

2

7

SB-10P

8/16/07

1145

gw

1

2

2

2

7

FB-08/1607

8/16/07

1210

gw

1

2

2

2

2

11

Tray Blank

8/16/07

dry

2

2

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT  
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT  
Y OR N

RELINQUISHED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT  
Y OR N

RECEIVED BY: (SIGNATURE)

FOR

DATE

TIME

SEAL INTACT  
Y OR N

DELIVERY METHOD

COMMENTS

ANALYTICAL LABORATORY

NYSDEC Cat B deliveries  
Standard TAG



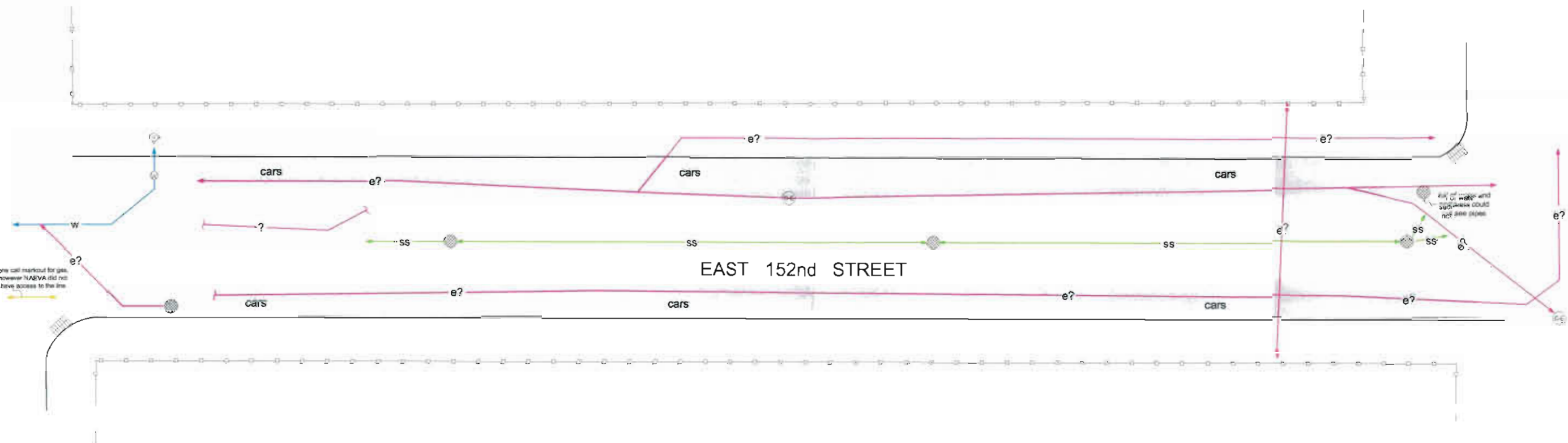
**APPENDIX D**

**Ground Penetrating Radar Results for East 152nd Street**

BERGEN AVENUE

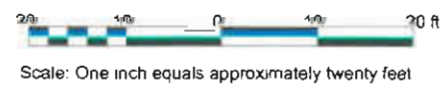
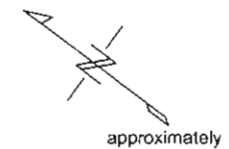
BROOK AVENUE

EAST 152nd STREET



LEGEND

- W — water line
- SS — sanitary sewer
- e? — suspected electric line
- ? — suspected utility
- chain-link fence
- catch basin
- storm sewer manhole cover
- Con-Edison manhole cover (not opened)
- water valve



Scale: One inch equals approximately twenty feet

		50 N. Hamson Avenue, Suite 11 Congers, NY 10920 (845)268-1800 (845)268-1802 FAX	
Figure 8: Area of Geophysical Investigation on East 152nd Street between Bergen and Brook Avenue in Bronx, New York			
Client	Roux Associates, Inc	Date of Work	July 24-25, 2007
Project No.	C0707241H	Map By	Kelly Weyer
ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP			