

**Harlem Park BCP Site**  
1800 Park Avenue  
New York, New York

**REMEDIAL INVESTIGATION REPORT**  
**(ON-SITE)**  
BCP Site No. C231041

**Prepared For:**

1800 Park Ave., LLC  
Olympic Tower  
645 Fifth Avenue  
New York, New York 10022

Fleming-Lee Shue Project Number: 10052-001

**Submitted to:**

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
47-40 21st Street  
Long Island City, New York 11101-5407

**Prepared by:**



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August 2005

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Harlem Park Site  
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## **1.0 INTRODUCTION**

Pursuant to the Brownfield Cleanup Program (BCP), on behalf of 1800 Park Avenue LLC (Volunteer) under BCA Index Number W2-1037-04-12, Fleming-Lee Shue, Inc. (FLS) has prepared the following Remedial Investigation Report (RIR) for the parcel of land at 1800 Park Avenue known as “Harlem Park”\* (the “Site”) in accordance with the requirements and format presented in DER-10. The Site consists of a parking lot located along the west side of Park Avenue, between East 124th Street and East 125th Street, New York, New York (refer to Figure 1: Site Location Map). The Site consists of 36,300 square feet of land that had been part of the New York College of Podiatric Medicine as shown on Figure 2. The New York College of Podiatric Medicine and a residential building (located to the west of the parking lot) are not part of the Brownfield Site.

FLS performed two Subsurface Investigations regarding the extent of petroleum contaminated soils and groundwater detected at the top of the saturated zone beneath the parking lot at the New York College of Podiatric Medicine on Park Avenue, between West 125<sup>th</sup> and West 124<sup>th</sup> Streets in New York City (see Figure 1). The petroleum was originally noted in geotechnical borings and later confirmed by FLS while conducting a Phase II Subsurface Investigation as part of the satisfaction of New York City Department of Environmental Protection’s (NYCDEP’s) E-designation on the Site. The second Subsurface Investigation which was a preliminary study to characterize the materials to be removed from the Site and was submitted to the NYSDEC’s BCP, in support of an Interim Remedial Measure Plan. The results of the two investigations have been previously submitted to the NYSDEC and NYCDEP, and are described in this Remedial Investigation Report (RIR).

\* *Please note that the Site was originally referred to as the “Harlem Hotel” Site. The Developers are now referring to the Site as “Harlem Park.”*

## **2.0 SITE DESCRIPTION AND HISTORY**

The Site is mapped on the *40073-F8 Central Park, NY-NJ* Quadrant 7.5 Minute Topographic Map, published by the USGS (obtained from *TOPO!* ©2001, *National Geographic Holdings*) (Figure 1).

### **2.1 Site Settings and Conditions**

The Site is located in a predominantly residential and commercial area. The following is a list of the surrounding property uses:

- NORTH: Residential buildings with retail facilities on the first floor.
- EAST: Metro North Railroad Tracks and Station, followed by residential and commercial buildings.
- SOUTH: Asphalt parking lot for residential buildings; followed by North General Hospital.
- WEST: New York College of Podiatric Medicine (2-story building), and a residential building with ground floor retail and a small open rear yard.

### **2.2 Geology and Subsurface Conditions**

The surface condition at the Site consists mainly of asphalt (associated with the parking area). The Site soils, located 10 to 12 feet below grade, consist mainly of fill material (some sand and gravel mixed with asphalt, concrete, brick, and scrap). The Site soils located 10 to 18 feet below grade consist mostly of gravelly sand. The Site soils located 18 feet below grade to bedrock consist of silty medium to fine sands. Bedrock is located 60 to 110 feet below ground surface.

Groundwater is generally encountered at a depth of 14 to 16 feet below grade. Based upon piezometric data collected by FLS, the groundwater gradient is to the southwest. Copies of the soil boring logs are included in Appendix A.

### **2.3 Site History**

Review of Sanborn fire insurance maps revealed that several four-story dwellings and a structure labeled as the “Harlem Hotel” occupied the Site from approximately 1896 through 1979. From approximately 1980 to present time, the Site has been used as a parking lot for the College of Podiatric Medicine.

Review of historic city directories revealed that the Site was used for residential and commercial uses, including retail sale and restaurant operations, until the on-site structures were demolished and replaced by the current parking lot.

## **2.4 Prior Studies**

The Phase I ESA performed by Professional Services Industries, Inc., (PSI) dated July 18, 2003, summarized the following concerns:

- Groundwater beneath the Site may have been impacted by off-site uses, primarily, a gasoline station (approximately 400 feet to the north of the Site) and a rug cleaning facility (across Park Avenue to the east of the Site).
- The previous occupants of the Site included residences and a hotel, which may have had heating oil tanks located in the basements. Since the disposition of these tanks is not known, an investigation as to whether they were buried onsite during the demolition of the building structures was recommended by PSI.
- A bus parking facility was located on the Site in the early 1990's; however, it was not possible to determine whether vehicle repairs were completed on-Site.

A review of the Mueser Rutledge Consulting Engineers (MRCE) Geotechnical Report (February 20, 2004) indicated that petroleum odors and staining were observed in most of the geotechnical soil borings advanced at the Site.

In addition, a four-inch monitoring well discovered near the southeast corner of the parking lot indicated that a subsurface investigation may have previously been conducted in this area although, FLS has been unable to obtain any additional information concerning this investigation.

### **3.0 SITE INVESTIGATION ACTIVITIES**

#### **3.1 Phase II Soil and Groundwater Investigation (May-June 2004)**

On May 27 and 28, 2004, and on June 7, 2004, FLS performed an initial Subsurface Site Investigation at the Harlem Park Site by advancing eight soil borings, and converting two of them to monitoring wells (the "Phase II SSI"). The Phase II SSI was based on the Phase I ESA performed by PSI in July 2003.

During the Phase II SSI, eight soil borings were advanced using hollow-stem augers driven by a truck-mounted drill rig at the locations illustrated on the attached Figure 2. Two soil samples were collected from each soil boring. One soil sample was collected from immediately below the asphalt pavement subgrade. The deeper soil sample was collected from the soil horizon with the highest photo ionization detector (PID) reading of total organic vapors. All of the soil samples were analyzed for the following:

- Target Compound List (TCL) Base Neutral Extractable Organic portion of the Semi-volatile Organic Compounds (SVOCs) by EPA Method 8270,
- TCL Volatile Organic Compounds (VOCs) by EPA Method 8260,
- Target Analyte List Heavy Metals by EPA Method 6010, total mercury by EPA Method 7471
- PCBs by EPA Method 8081 and
- Pesticides by EPA Method 8082.

A 4-inch monitoring well (that has since been labeled MW-3 by FLS) was already present at the Site and was used as a part of the groundwater investigation once FLS confirmed that it was screened across the groundwater table. This well may have been part of a previous Phase 2 investigation. No data or reports could be located concerning this earlier investigation on the Site. A single round of groundwater samples was collected from the three monitoring wells and analyzed for the following:

- TCL Base Neutral Extractable SVOCs by EPA Method 8270;
- TCL VOCs by EPA Method 8260;
- Total TAL Heavy Metals by EPA Method 6010 with Mercury by EPA Method 7471;
- Dissolved TAL Heavy Metals by EPA Method 6010 with Mercury by EPA Method 7471;
- PCBs by EPA Method 8081; and
- Pesticides by EPA Method 8082.

The field observations made during the soil boring installation appear on the boring logs, along with the soil description (Appendix A). Field observations include the notation of petroleum odors and photoionization detector (PID). The FLS geologist observed evidence of petroleum-impacted soils (and possibly ground water) being present at the

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top of the saturated zone in seven of the eight soil borings (and the eighth soil boring – FLS-6 had elevated PID readings, but without petroleum odors). The petroleum-impacted soils had a high sulfur odor and appeared more viscous than No. 2 heating oil, indicating that the contamination was likely a No. 4 or No. 6 fuel oil. The FLS geologist reported the presence of the fuel oil to the NYSDEC and Spill Number 0402211 was assigned to the Site.

### **3.2 Supplemental Phase II Investigation (August 2004)**

The Volunteer proposed to install a slurry wall around most of the Site as an Interim Remedial Measure (IRM) for the removal of contaminated demolition debris and petroleum contamination noted during the Phase II SSI. To prepare for the IRM submittal to the NYSDEC and prior to the Volunteer's acceptance into the BCP, a supplemental Phase II Investigation was performed from August 19, 2004 through August 27, 2004 (the "Phase II Supplemental SSI"). Ten additional soil borings were drilled using a dual hollow-stem auger/rotary drill rig. Hollow stem augers were used except where a basement slab or thick concrete was encountered. When thick concrete was encountered the drilling method was switched over to rotary drilling with potable water until the concrete could be drilled through with the rotary drill bit, prior to resuming the hollow-stem auger method to continue sampling with the split spoons. A temporary steel casing was advanced to avoid cross contamination of any petroleum contamination into deeper zones by sealing off the upper 15 to 20 feet. Two soil borings, HH-9 and HH-10, were advanced to bedrock within the interior of the parking area. The other eight soil borings (HH-11 through HH-18) were advanced to approximately 24 feet below grade, along the perimeter of the Site. The locations of the soil borings are shown on Figure 2. The field boring logs are also attached to this report as Appendix A.

The purpose of the two interior borings was to characterize the soil within the elevations of the three basement levels, and also collect one sample from below the basement levels. The purpose of the soil borings advanced at the perimeter of the Site was to investigate the presence and approximate thickness of the known petroleum contamination at the Site. In addition, a sample of the most petroleum-contaminated soil was selected based on visual observation and PID readings, was submitted to the laboratory for GC-Fingerprint Analysis.

### **3.3 Groundwater Samples**

An existing 4-inch monitoring well (MW-3) from a previous investigation was sampled as part of the groundwater investigation. No data or reports concerning this earlier investigation were available. The machine slotted well screen was observed to within three feet of the ground surface, so FLS knew that the well was screened across the water table.

After the installation of MW-1 in soil boring HH-1 and MW-2 in soil boring HH-5, the monitoring wells were developed with a submersible pump until the discharge was silt-free. The 4-inch monitoring well was also redeveloped and is referred to as MW-3 for



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this, and subsequent reports. On June 17, 2004, FLS returned to the Site, purged a minimum of three well volumes from each of the monitoring wells, and collected ground water samples using low-flow sampling techniques. FLS noted a petroleum odor, and slight sheen in the purge water from MW-1, and a very slight sheen in the purge water from MW-2. There were no sheen or odors in the water purged from MW-3.

## **4.0 SAMPLING RESULTS**

### **4.1 Soil Samples**

Soil samples were collected and analyzed for TAL Heavy Metals by EPA Method 6010, total cyanide by EPA Method 9012, total mercury by EPA Method 7471, TCL VOCs by EPA Method 8260, TCL BNs by EPA Method 8270, PCBs and Pesticides by EPA Methods 8082 and 8081, respectively. The samples were submitted to Chemtech in Mountainside, New Jersey, a New York State Department of Health (NYSDOH) ELAP-certified laboratory.

Table 1 summarizes the inorganic results for the initial Phase II SSI. Table 6 summarizes the inorganic results for the Supplemental Phase II SSI. The soil samples are indicative of the urban fill material utilized in New York City, with some concentrations exceeding the Eastern USA Background levels and New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046 Recommended Soil Cleanup Objectives (RSCOs).

With the exception of soil boring HH-5, all of the heavy metals analyzed were within the NYSDEC TAGM RSCOs, or within the Eastern USA Background ranges, with the exception of lead, barium, copper, cadmium, and zinc in HH-5; nickel in HH9-7 and HH9-48; and magnesium in HH9-48, HH10-33, HH10-63, and HH18-22. The background for the nickel and magnesium at the Site seems to be higher than the regional background, and is noted in the deeper samples, as well as the shallow samples. Therefore, these metals are most likely derived from natural sources within the soils and bedrock.

Table 2 summarizes the VOC results for the initial Phase 2 SSI. Table 7 summarizes the VOC results for the supplemental Phase 2 SSI. The only exceedances of the VOC TAGM 4046 RSCOs or the NYSDEC Spills Technology and Remediation Series (STARS) RSCOs were in the soil samples from soil boring HH-6 at 13 to 14 feet, and 14.5 to 15.5 feet below grade, and HH-3 at 13.5 to 14.5 feet below grade. The compounds included n-propylbenzene, sec-butylbenzene, n-butylbenzene, xylenes, and trimethyl benzene. All of these are compounds commonly found in gasoline, diesel, heating oils, and asphalt.

Table 3 summarizes the base neutral (BN) organic compound results for the initial Phase 2 SSI. Table 8 summarizes the BN organic compound results for the supplemental Phase 2 SSI. The analytical results indicate that there are BNs present in most of the soil borings. The main exceedances are within the polycyclic aromatic hydrocarbon (PAH) portion of the BNs. The PAHs are found in both liquid and solid phase hydrocarbons (petroleum products, and asphalt, coal and coal ash). The concentrations support the field observations that there was petroleum contamination present near the top of the saturated zone. There are also PAHs present in the shallow soil and fill material. These concentrations are primarily due to the presence of asphalt in the fill, as there was no

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evidence of fuel oil observed in the shallow soil. The concentrations of PAHs immediately above, and into the saturated zone, were not much higher than the shallow soil samples. The concentrations of the naphthalene compounds, a major component of fuel oils, were elevated in HH-1, HH-2, HH-3 and HH-6, but did not exceed the TAGM 4046 RSCO. These four soil borings are found in the center and northeast portions of the Site. There were no exceedances of the TAGM RSCOs below the saturated zone, with the exception of the soil sample from 33 feet below grade from soil boring HH-10. The exceedance was barely above the RSCO for chrysene (concentration of 450 micrograms per kilogram (ug/kg or ppb) as compared to the RSCO of 400 ug/kg). There was no physical (visual or olfactory) evidence of fuel oil in this soil sample.

Table 4 summarizes the PCB and pesticide analyses for the initial Subsurface Site Investigation. Table 9 summarizes the PCB and pesticide analysis for the supplemental Subsurface Site Investigation. There were no pesticides detected, but there is an exceedance (1,600 ug/kg) of the 1,000-ug/kg surface RSCO for total PCBs in the diluted shallow soil sample from soil boring HH-2.

The GC-Fingerprint analysis confirmed that the petroleum contamination beneath the parking lot is No. 6 Fuel Oil.

#### **4.2 Groundwater Sampling Results**

The results of the ground water samples collected from the three monitoring wells are summarized in Table 5. The results indicate low concentrations of BN compounds, at concentrations that do not exceed the NYSDEC Class GA Ambient Ground Water Standards/Criteria. There were several heavy metals (both total and dissolved) detected above the standards. Although FLS used low-flow methods for collecting groundwater samples, some turbidity was initially noted during the purging of the wells. Therefore the metal concentrations are probably due to the adherence of metals from the concrete and rubble in the upper 12 to 20 feet of the Site to the fine sands and silts in contact with the wells.

## **5.0 CONCLUSIONS**

Based on the FLS field observations during two (2) subsurface investigations, and the boring logs from the MRCE Geotechnical Report, there is a thin (< 2 feet) layer of No. 6 fuel oil contamination at the unsaturated-saturated zone interface beneath a substantial portion of the Site. The source of this petroleum is not known at this time. The extent which contaminated soil is observed at the top of the saturated zone indicates an area-wide problem, which may originate off-Site.

Based upon data collected from the initial Subsurface Site Investigation, the elevation of the ground water piezometric surface indicated a ground water gradient to the southwest. This is almost opposite the expected topographically influenced gradient towards the East River to the east and northeast. As the known groundwater gradient is to the southwest (against the topography), there is a likely an off-site source since the historical use of the northeast corner of the Site was residential. Small apartment buildings rarely used a No. 6 Fuel Oil for heating. The old hotel might have used a heavier fuel oil, but the northeast corner of the Site appears to have evidence of only minimal petroleum-related impact to the soil and groundwater.

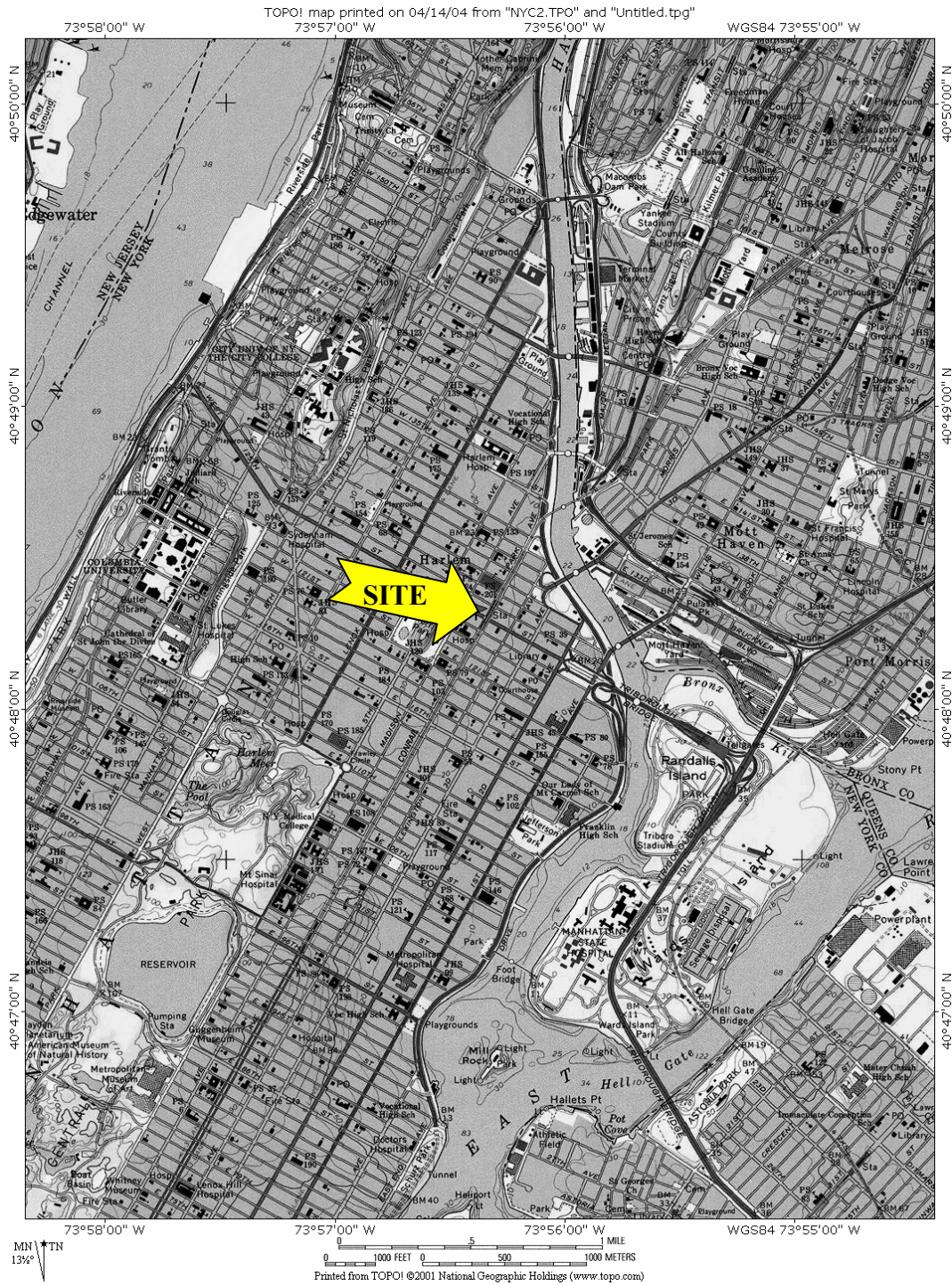
There is evidence of petroleum contamination at the boundaries of the Site. A Supplemental Remedial Investigation Work Plan (RIWP) has been prepared for the installation of off-Site monitoring wells to investigate the groundwater conditions in the immediate vicinity of the Site, and to investigate a possible source of the No. 6 fuel oil. The RIWP will also evaluate soil gas conditions at the boundaries of the Site.

The present plans for the Site include the construction of three basement levels below the office space, and one basement level below the hotel and residential space; therefore, a portion of the Site will be excavated to a depth of between 38 and 40 feet below grade. A Remedial Action Work Plan (RAWP) has been prepared describing the excavation and removal of the contaminated soil and fill layers as part of the basement excavation. The layer of petroleum contamination at the top of the saturated zone will be segregated and sampled separately, based upon field screening techniques. Excavated materials will be transported from the Site and properly disposed/recycled. Therefore no further investigation of on-Site conditions is required.

A Qualitative Human Health Exposure Assessment has been prepared and is attached to this report as Appendix C.

# **FIGURES**

**PHASE II SUBSURFACE INVESTIGATION  
FIGURE 1: SITE LOCATION MAP**



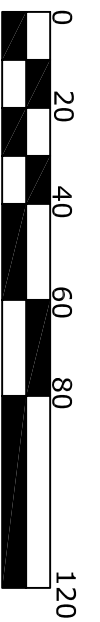
**SUBJECT PROPERTY**

*Fleming  
Lee Shue*

**SITE:** 1800 Park Avenue,  
New York, N.Y.  
**CLIENT:** 1800 Park Avenue, LLC

*Environmental Management & Consulting, 226 West 26<sup>th</sup> Street, New York, NY 10001*



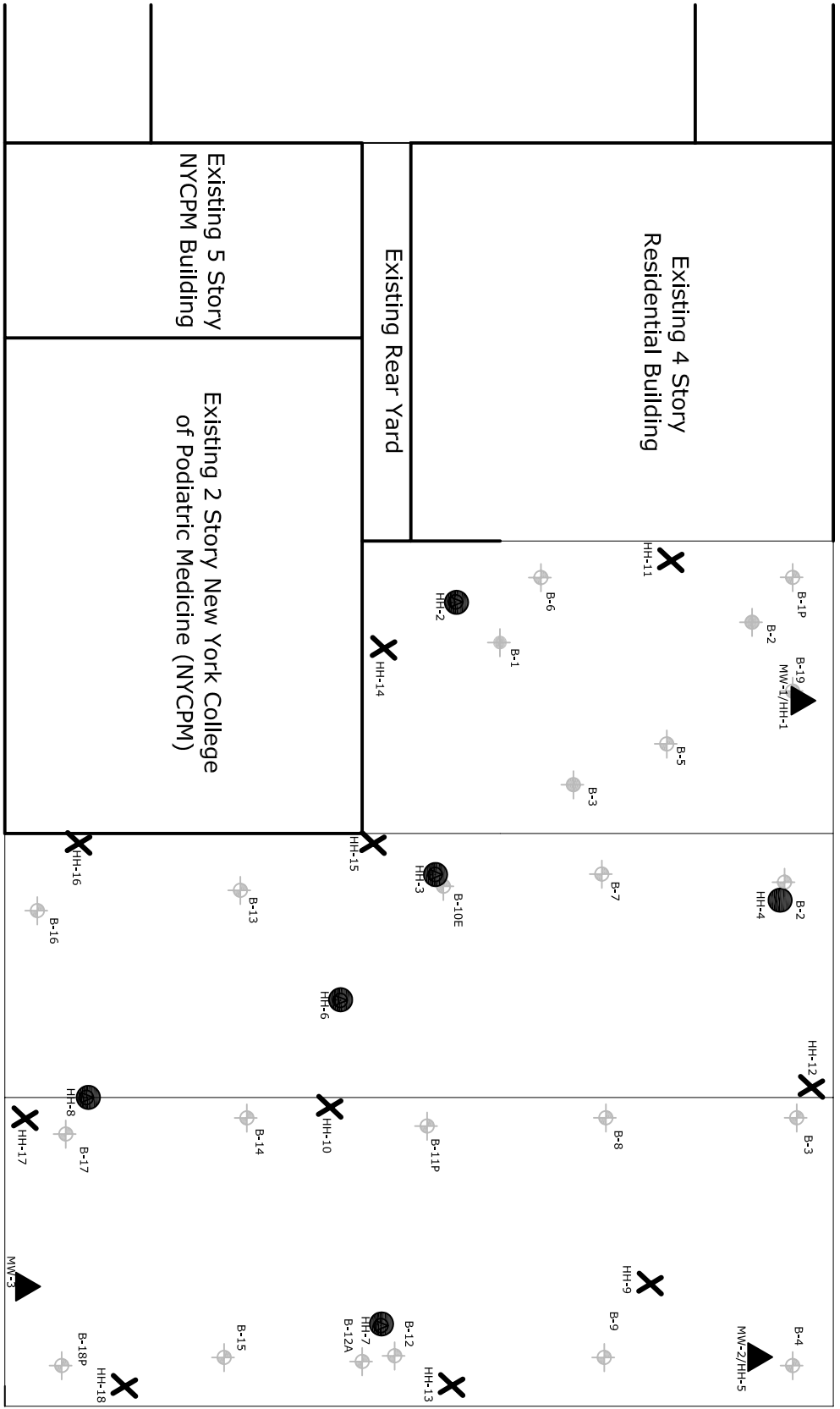


Scale 1"=40'

- NOTES:**
1. Adapted from Mueser Rutledge Consulting Engineers (MRCE), Boring Location Plan (B-1), from Geotechnical Report-Harlem from New York, New York (February 20, 2004).
  2. Base Plan for this Drawing is Drawing No. Z-1 "Plan and General Information Scheme C", Electronic File provided by SCR Design Organization, Dated 1-9-03.
  3. As-Drilled Locations and Ground Surface Elevations for Borings Nos. B-1P through B-19P were Taken from Survey by Angelo Florenza Surveying, P.C., Dated 9-6-03. Location and Elevation of Boring No. B-19 was Measured by MRCE.
  4. Borings Nos. B-1P through B-19 were Made by CMT Subsurface Investigations, Inc. Under Continuous Inspection by MRCE.
  5. Railroad Viaduct Location Obtained from Topographical and Street Survey, Sheet 11 of 27, by N. Massano, P.C., Dated 3-25-92.

East 125th Street

Proposed Second Avenue Subway



East 124th Street

Park Avenue



Environmental Management & Consulting

226 West 26th Street, 9th Fl.  
New York, NY 10001

Harlem Park  
Harlem, New York, NY

FIGURE 2

# BORING AND MONITORING WELL LOCATION PLAN

Production Date  
July 21, 2004

Project Number  
10052-000

## LEGEND

- B-17 Boring Made in September, 2003. "p" indicates Piezometer installation.
- B-1 Boring Made in 1994.
- Boring Made in 1992.
- 18 Boring On Manhattan Rock Data Map.
- Fleming-Lee Shue Soil Boring.
- Monitoring Well.
- FLS Soil Boring-Supplemental.

# **TABLES**



**Table 1:  
Summary of Inorganic Analytical Results**

Sample ID		HH1-1	HH1-14	HH2-1	HH2-15	HH3-1	HH5-1	HH5-16	HH4-1	HH4-15	HH6-1	HH6-13	
Lab Sample Number		S2794-01	S2794-02	S2794-03	S2794-04	S2794-05	S2794-06	S2794-07	S2794-08	S2794-09	S2794-10	S2794-11	
Sampling Date		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	
		NYSDEC TAGM SCOs or NYS Background											
COMPOUND	CAS #												
Cyanide		NA	0.116	0.129	0.118	0.121	0.111	0.114	0.147	0.112	0.125	0.771	0.111
Mercury	7439-97-6	0.001-0.2	0.13	0.05	0.30	0.05	0.21	0.06	0.14	0.33	0.03	0.31	0.47
Aluminum	7429-90-5	33,000/SB	5470	4820	7600	6,500	4,560	6,960	6,290	5,150	4,650	5,330	5,780
Antimony	7440-36-0	Table	3.5 J	0.68 U	3.7 J	0.65 U	2.7 J	2.7 J	0.77 U	0.60 U	0.67 U	2.0 J	1.4 J
Arsenic	7440-38-2	7.5 OR SB	2.5	0.37 J	2.5	1.9	4.2	3.9	0.43 J	0.48 J	0.28 U	3.8	3.9
Barium	7440-39-3	15-600	341	39.6	531	165	166	656	177	53.7	38.9	168	160
Beryllium	7440-41-7	0.16 or SB	0.24 J	0.37 J	0.30 J	0.32 J	0.28 J	0.19 J	0.30 J	0.30 J	0.27 J	0.28 J	0.32 J
Cadmium	7440-43-9	1 or SB	0.71	0.20 J	1.0	0.49 J	0.48 J	2.4	0.40 J	0.37 J	0.24 J	0.76	1.0
Calcium	7440-70-2	SB	45,500	1,620	29,100	10,300	89,700	36,200	8,000	7,050	3,020	38,200	22,500
Chromium	7440-47-3	10 or SB	13.5	17.5	17.8	19.1	10.0	41.1	19.2	12.5	17.9	13.8	28.2
Cobalt	7440-48-4	30 or SB	5.1 J	5.6 J	7.6	6.0	3.6 J	9.2	5.1 J	5.4	4.7 J	4.3 J	6.2
Copper	7440-50-8	25 or SB	14.5	24.7	33.8	34.9	16.2	73.3	27.7	14.8	15.9	24.4	46.3
Iron	7439-89-6	2,000-550,000	8,840	8,640	14,200	10,600	7,090	34,100	9,980	10,400	7,990	13,000	18,200
Lead	7439-92-1	200-500	76.6	6.9	301	92.0	540	1,050	164	27.5	6.9	418	290
Magnesium	7439-95-4	100-5,000 or SB	5070	2300	5360	3230	51,600	8,660	3,570	5,500	2,590	18,600	12500
Manganese	7439-96-5	50-5,000	190	190	250	310	178	306	127	313	93.6	186	408
Nickel	7440-02-0	0.5-25	12.4	14.1	16.5	11.8	7.5	24.0	13.8	11.1	12.6	10.0	14.7
Potassium	7440-09-7	8,500-43,000	1920	592 J	2560	1,010	941	1280	841	1320	782	744	977
Selenium	7782-49-2	2 or SB	0.35 U	0.38 U	0.35 U	0.36 U	0.33 U	0.34 U	0.43 U	0.33 U	0.37 U	0.36 U	0.33 U
Silver	7440-22-4	SB	0.12 U	0.13 U	0.12 U	0.12 U	0.11 U	0.11 U	0.14 U	0.11 U	0.12 U	0.12 U	0.11 U
Sodium	7440-23-5	6,000-8,000 or SB	662	60.1 J	512 J	359 J	746	1490	51.1 U	144 J	144 J	506 J	342 J
Thallium	7440-28-0	SB	0.37 U	0.40 U	0.37 U	0.38 U	0.35 U	0.35 U	0.45 U	0.35 U	0.39 U	0.38 U	0.35 U
Vanadium	7440-62-2	150 or SB	20.3	19.0	30.7	21.2	18.3	41.2	22.9	17.6	19.5	28.6	26.0
Zinc	7440-66-6	20 or SB/9-50	208	17.8	277	138	140	591	137	39.1	18.3	151	137
Qualifiers													
U - The compound was not detected at the indicated concentration.													
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.													
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.													
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.													
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.													
NR - Not analyzed													

TABLE 2:

Summary of Volatile Organic Soil Analytical Results

Sample ID		HH1-1	HH1-14	HH2-1	HH2-15	HH3-1	HH5-1	HH5-16	
Lab Sample Number		S2794-01	S2794-02	S2794-03	S2794-04	S2794-05	S2794-06	S2794-07	
Sampling Date		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	05/28/04	05/28/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
COMPOUND	CAS # TAGM SCOs								
Dichlorodifluoromethane	75-71-8	NA	1.4 U	52 U	1.4 U	48 U	1.3 U	1.3 U	1.7 U
Chloromethane	74-87-3	NA	0.37 U	110 U	0.37 U	98 U	0.35 U	0.36 U	0.47 U
Vinyl Chloride	75-01-4	200	0.26 U	41 U	0.26 U	38 U	0.25 U	0.26 U	0.33 U
Bromomethane	74-83-9	NA	0.79 U	120 U	0.80 U	110 U	0.75 U	0.77 U	1.0 U
Chloroethane	75-00-3	1,900	0.58 U	140 U	0.59 U	130 U	0.55 U	0.57 U	0.74 U
Trichlorofluoromethane	75-69-4	NA	2.7 U	89 U	2.8 U	83 U	2.6 U	2.7 U	3.5 U
Tert butyl alcohol	75-65-0	NA	16 U	670 U	16 U	630 U	15 U	16 U	21 U
1,1-Dichloroethene	75-35-4	400	0.24 U	50 U	0.24 U	46 U	0.23 U	0.23 U	0.30 U
Acrolein	107-02-8	NA	2.6 U	280 U	2.6 U	260 U	2.5 U	2.5 U	3.3 U
Acrylonitrile	107-13-1	NA	9.5 U	490 U	9.6 U	460 U	9.0 U	9.3 U	12 U
Acetone	67-64-1	200	17 J	510 U	21 J	480 U	18 J	35	23 J
Carbon Disulfide	75-15-0	2,700	0.11 U	60 U	0.11 U	56 U	0.11 U	0.11 U	3.1 J
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)	0.25 U	55 U	0.26 U	52 U	0.24 U	0.25 U	0.32 U
Methylene Chloride	75-09-2	100	0.76 U	96 U	2.3 JB	89 U	1.8 JB	3.1 JB	0.96 U
trans-1,2-Dichloroethene	156-60-5	300	0.41 U	79 U	0.42 U	74 U	0.39 U	0.40 U	0.52 U
Vinyl Acetate	108-05-4	NA	6.0 U	360 U	6.1 U	340 U	5.7 U	5.9 U	7.6 U
1,1-Dichloroethane	75-34-3	200	0.39 U	33 U	0.40 U	31 U	0.37 U	0.38 U	0.50 U
2-Butanone	78-93-3	300	2.5 U	440 U	2.6 U	410 U	2.4 U	2.5 U	3.2 U
Carbon Tetrachloride	56-23-5	600	0.33 U	73 U	0.33 U	68 U	0.31 U	0.32 U	0.42 U
2,2-Dichloropropane	594-20-7	NA	1.1 U	47 U	1.1 U	44 U	1.1 U	1.1 U	1.4 U
cis-1,2-Dichloroethene	156-59-2	NA	0.39 U	120 U	0.40 U	110 U	0.37 U	0.38 U	0.50 U
Bromochloromethane	74-97-5	NA	0.49 U	82 U	0.49 U	76 U	0.46 U	0.48 U	0.62 U
Chloroform	67-66-3	300	0.26 U	89 U	0.27 U	83 U	0.25 U	0.26 U	0.33 U
1,1,1-Trichloroethane	71-55-6	800	0.30 U	63 U	0.30 U	59 U	0.29 U	0.29 U	0.38 U
1,1-Dichloropropene	563-43-2	NA	0.46 U	58 U	0.47 U	54 U	0.44 U	0.45 U	0.59 U
Benzene	71-43-2	60	0.22 U	37 U	0.23 U	35 U	0.21 U	1.2 J	0.28 U
1,2-Dichloroethane	107-06-2	100	3.4 U	49 U	3.5 U	46 U	3.2 U	3.3 U	4.3 U
Trichloroethene	79-01-6	700	0.36 U	100 U	0.36 U	96 U	0.34 U	0.35 U	0.45 U
1,2-Dichloropropane	78-87-5	NA	0.37 U	49 U	0.38 U	46 U	0.35 U	0.36 U	0.47 U
Dibromomethane	74-95-3	NA	0.30 U	93 U	0.30 U	87 U	0.28 U	0.29 U	0.37 U
Bromodichloromethane	75-27-4	NA	0.37 U	54 U	0.37 U	50 U	0.35 U	0.36 U	0.47 U
4-Methyl-2-Pentanone	108-10-1	1,000	2.7 U	200 U	2.7 U	190 U	2.5 U	2.6 U	3.4 U
Toluene	108-88-3	1,500	0.29 U	60 U	0.29 U	56 U	0.27 U	1.7 J	0.36 U
t-1,3-Dichloropropene	10061-02-6	NA	0.28 U	66 U	0.29 U	61 U	0.27 U	0.28 U	0.36 U
cis-1,3-Dichloropropene	10061-01-5	NA	0.22 U	23 U	0.22 U	22 U	0.20 U	0.21 U	0.27 U
1,1,2-Trichloroethane	79-00-5	NA	0.56 U	80 U	0.57 U	74 U	0.53 U	0.55 U	0.71 U
1,3-Dichloropropane	142-28-9	300	0.51 U	60 U	0.52 U	56 U	0.48 U	0.50 U	0.65 U
2-Chloroethyl Vinyl ether	110-75-8	NA	1.3 U	290 U	1.3 U	270 U	1.2 U	1.2 U	1.6 U
2-Hexanone	591-78-6	NA	3.6 U	100 U	3.6 U	95 U	3.4 U	3.5 U	4.5 U
Dibromochloromethane	124-48-1	NA	0.32 U	58 U	0.33 U	54 U	0.31 U	0.32 U	0.41 U
1,2-Dibromoethane	106-93-4	NA	0.46 U	98 U	0.47 U	91 U	0.44 U	0.45 U	0.59 U
Tetrachloroethene	127-18-4	1,400	0.71 U	51 U	0.71 U	47 U	0.67 U	0.69 U	0.89 U
Chlorobenzene	108-90-7	1,700	0.39 U	57 U	0.40 U	53 U	0.37 U	0.38 U	0.50 U
1,1,1,2-Tetrachloroethane	630-20-6	NA	0.20 U	66 U	0.20 U	62 U	0.19 U	0.19 U	0.25 U
Ethyl Benzene	100-41-4	5,500	0.28 U	63 U	0.28 U	59 U	0.26 U	0.27 U	0.35 U
m/p-Xylenes	136777-61-2	1,200	0.57 U	150 U	0.58 U	140 U	0.54 U	0.56 U	0.72 U
o-Xylene	95-47-6	1,200	0.48 U	57 U	0.49 U	53 U	0.45 U	0.47 U	0.61 U
Styrene	100-42-5	NA	0.35 U	53 U	0.35 U	49 U	0.33 U	0.34 U	0.44 U
Bromoform	75-25-2	NA	0.33 U	39 U	0.34 U	36 U	0.31 U	0.32 U	0.42 U
Isopropylbenzene	98-82-8	NA	0.41 U	51 U	0.42 U	48 U	0.39 U	0.40 U	0.52 U
1,1,2,2-Tetrachloroethane	79-34-5	600	0.59 U	76 U	0.59 U	71 U	0.56 U	0.57 U	0.75 U
1,2,3-Trichloropropane	98-18-4	400	0.45 U	70 U	0.46 U	65 U	0.43 U	0.44 U	0.57 U
Bromobenzene	108-86-1	NA	0.45 U	36 U	0.45 U	34 U	0.42 U	0.44 U	0.57 U
n-propylbenzene	103-61-5	100 (STARS)	0.46 U	58 U	0.47 U	54 U	0.44 U	0.45 U	0.58 U
2-Chlorotoluene	95-49-8	NA	0.30 U	47 U	0.30 U	44 U	0.29 U	0.29 U	0.38 U
1,3,5-Trimethylbenzene	108-67-8	NA	0.32 U	57 U	0.32 U	53 U	0.30 U	0.31 U	0.40 U
4-Chlorotoluene	106-43-4	NA	0.32 U	110 U	0.33 U	110 U	0.31 U	0.32 U	0.41 U
tert-Butylbenzene	98-06-6	100 (STARS)	0.31 U	56 U	0.31 U	52 U	0.29 U	0.30 U	0.39 U
1,2,4-Trimethylbenzene	95-63-6	100 (STARS)	0.45 U	57 U	0.46 U	53 U	0.43 U	0.44 U	0.57 U
sec-Butylbenzene	135-98-8	100 (STARS)	0.27 U	66 U	0.27 U	61 U	0.25 U	0.26 U	0.34 U
p-Isopropyltoluene	99-87-6	100 (STARS)	0.65 U	56 U	0.66 U	52 U	0.62 U	0.64 U	0.83 U
1,3-Dichlorobenzene	541-73-1	1,600	0.23 U	57 U	0.24 U	53 U	0.22 U	0.23 U	0.30 U
1,4-Dichlorobenzene	106-46-7	8,500	0.39 U	60 U	0.39 U	56 U	0.37 U	0.38 U	0.49 U
n-Butylbenzene	104-51-8	100 (STARS)	0.46 U	72 U	0.46 U	190 J	0.43 U	0.45 U	0.58 U
1,2-Dichlorobenzene	95-50-1	7,900	0.45 U	56 U	0.46 U	53 U	0.43 U	0.44 U	0.58 U
1,2-Dibromo-3-Chloropropane	96-12-8	NA	0.75 U	140 U	0.76 U	130 U	0.71 U	0.74 U	0.95 U
1,2,4-Trichlorobenzene	120-82-1	3,400	0.28 U	44 U	0.28 U	41 U	0.26 U	0.27 U	0.35 U
Hexachlorobutadiene	87-68-3	NA	0.51 U	40 U	0.51 U	37 U	0.48 U	0.50 U	0.64 U
Naphthalene	91-20-3	13,000	8.9	1,100	91	3,000	16	4.5 J	4.3 J
1,2,3-Trichlorobenzene	87-61-6	NA	0.49 U	38 U	0.49 U	35 U	0.46 U	0.48 U	0.62 U
Total Confident Conc. VOC		10,000	25.9	1100	114.3	3190	35.8	45.5	30.4
Total TICs		NA	0	25800	0	29100	5.5	0	56.4

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation. The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

TABLE 2:

Summary of Volatile Organic Soil Analytical Results

Sample ID		HH4-1	HH4-15	HH6-1	HH6-13	HH6-13DL	TRIPBLANK	HH3-14.5		
Lab Sample Number		S2794-08	S2794-09	S2794-10	S2794-11	S2794-11DL	S2794-12	S2932-01		
Sampling Date		05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	06/07/04		
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	WATER	SOIL		
Dilution Factor		1.0	5.0	1.0	5.0	1.0	1.0	1.0		
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/L	ug/Kg		
COMPOUND	CAS #	NYSDEC TAGM SCO's								
Dichlorodifluoromethane	75-71-8	NA		1.3 U	7.4 U	1.5 U	6.5 U	44 UD	0.33 U	1.5 U
Chloromethane	74-87-3	NA		0.35 U	2.0 U	0.39 U	1.7 U	90 UD	0.68 U	0.39 U
Vinyl Chloride	75-01-4	200		0.25 U	1.4 U	0.28 U	1.2 U	35 UD	0.27 U	0.28 U
Bromomethane	74-83-9	NA		0.75 U	4.2 U	0.83 U	3.7 U	100 UD	0.78 U	0.83 U
Chloroethane	75-00-3	1,900		0.56 U	3.1 U	0.62 U	2.8 U	120 UD	0.88 U	0.62 U
Trichlorofluoromethane	75-69-4	NA		2.6 U	15 U	2.9 U	13 U	76 UD	0.58 U	2.9 U
Tert butyl alcohol	75-65-0	NA		16 U	87 U	17 U	77 U	570 UD	4.4 U	17 U
1,1-Dichloroethene	75-35-4	400		0.23 U	1.3 U	0.25 U	1.1 U	42 UD	0.32 U	0.25 U
Acrolein	107-02-8	NA		2.5 U	14 U	2.7 U	12 U	240 UD	1.8 U	2.7 U
Acrylonitrile	107-13-1	NA		9.1 U	51 U	10 U	45 U	420 UD	3.2 U	10 U
Acetone	67-64-1	200		15 J	44 U	59	140	440 UD	3.3 U	73
Carbon Disulfide	75-15-0	2,700		0.11 U	0.60 U	3.4 J	21 J	51 UD	0.39 U	24
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)		0.24 U	1.4 U	0.27 U	1.2 U	47 UD	0.36 U	0.27 U
Methylene Chloride	75-09-2	100		0.72 U	4.0 U	3.4 JB	3.6 U	82 UD	0.62 U	0.80 U
trans-1,2-Dichloroethene	156-60-5	300		0.39 U	2.2 U	0.44 U	2.0 U	68 UD	0.51 U	0.44 U
Vinyl Acetate	108-05-4	NA		5.7 U	32 U	6.4 U	28 U	310 UD	2.4 U	6.4 U
1,1-Dichloroethane	75-34-3	200		0.38 U	2.1 U	0.42 U	1.9 U	28 UD	0.22 U	0.42 U
2-Butanone	78-93-3	300		2.4 U	14 U	8.2 J	12 U	370 UD	2.8 U	2.7 U
Carbon Tetrachloride	56-23-5	600		0.32 U	1.8 U	0.35 U	1.6 U	62 UD	0.47 U	0.35 U
2,2-Dichloropropane	594-20-7	NA		1.1 U	6.1 U	1.2 U	5.4 U	40 UD	0.31 U	1.2 U
cis-1,2-Dichloroethene	156-59-2	NA		0.37 U	2.1 U	0.41 U	1.9 U	100 UD	0.77 U	0.41 U
Bromochloromethane	74-87-5	NA		0.47 U	2.6 U	0.52 U	2.3 U	70 UD	0.53 U	0.52 U
Chloroform	67-66-3	300		0.25 U	1.4 U	0.28 U	1.2 U	76 UD	0.58 U	0.28 U
1,1,1-Trichloroethane	71-55-6	800		0.29 U	1.6 U	0.32 U	1.4 U	54 UD	0.41 U	0.32 U
1,1-Dichloropropene	563-43-2	NA		0.44 U	2.5 U	0.49 U	2.2 U	49 UD	0.37 U	0.49 U
Benzene	71-43-2	60		0.21 U	1.2 U	0.24 U	1.1 U	32 UD	0.24 U	1.7 J
1,2-Dichloroethane	107-06-2	100		3.3 U	18 U	3.6 U	16 U	42 UD	0.32 U	3.6 U
Trichloroethene	79-01-6	700		0.34 U	1.9 U	0.38 U	1.7 U	88 UD	0.67 U	0.38 U
1,2-Dichloropropane	78-87-5	NA		0.36 U	2.0 U	0.39 U	1.8 U	42 UD	0.63 U	0.39 U
Dibromomethane	74-95-3	NA		0.28 U	1.6 U	0.31 U	1.4 U	79 UD	0.60 U	0.31 U
Bromodichloromethane	75-27-4	NA		0.35 U	2.0 U	0.39 U	1.8 U	46 UD	0.35 U	0.39 U
4-Methyl-2-Pentanone	108-10-1	1,000		2.6 U	14 U	2.8 U	13 U	170 UD	1.3 U	2.8 U
Toluene	108-88-3	1,500		0.28 U	1.5 U	3.1 J	1.4 U	51 UD	0.39 U	5.8 J
1,1,3-Dichloropropene	10061-02-6	NA		0.27 U	1.5 U	0.30 U	1.3 U	56 UD	0.42 U	0.30 U
cis-1,3-Dichloropropene	10061-01-5	NA		0.21 U	1.2 U	0.23 U	1.0 U	20 UD	0.15 U	0.23 U
1,1,2-Trichloroethane	79-00-5	NA		0.54 U	3.0 U	0.60 U	2.7 U	68 UD	0.52 U	0.60 U
1,3-Dichloropropane	142-28-9	300		0.49 U	2.7 U	0.54 U	2.4 U	51 UD	0.39 U	0.54 U
2-Chloroethyl Vinyl ether	110-75-8	NA		1.2 U	6.7 U	1.3 U	5.9 U	250 UD	1.9 U	1.3 U
2-Hexanone	591-78-6	NA		3.4 U	19 U	3.8 U	17 U	87 UD	0.66 U	3.8 U
Dibromochloromethane	124-48-1	NA		0.31 U	1.7 U	0.34 U	1.5 U	50 UD	0.38 U	0.34 U
1,2-Dibromoethane	106-93-4	NA		0.44 U	2.5 U	0.49 U	2.2 U	83 UD	0.63 U	0.49 U
Tetrachloroethene	127-18-4	1,400		0.68 U	3.8 U	0.75 U	3.3 U	43 UD	0.33 U	0.75 U
Chlorobenzene	108-90-7	1,700		0.37 U	2.1 U	0.41 U	1.9 U	48 UD	0.37 U	0.41 U
1,1,1,2-Tetrachloroethane	630-20-6	NA		0.19 U	1.1 U	0.21 U	0.94 U	57 UD	0.43 U	0.21 U
Ethyl Benzene	100-41-4	5,500		0.26 U	1.5 U	0.29 U	380	300 JD	0.41 U	2.9 J
m/p-Xylenes	136777-61-2	1,200		0.55 U	3.1 U	1.5 J	1500	1300 JD	0.96 U	7.2
o-Xylene	95-47-6	1,200		0.46 U	2.6 U	0.51 U	380	290 JD	0.37 U	15
Styrene	100-42-5	NA		0.33 U	1.9 U	0.37 U	1.6 U	45 UD	0.34 U	0.37 U
Bromoform	75-25-2	NA		0.32 U	1.8 U	0.35 U	1.6 U	33 UD	0.25 U	0.35 U
Isopropylbenzene	98-82-8	NA		0.39 U	2.2 U	0.44 U	150	160 JD	0.33 U	130
1,1,2,2-Tetrachloroethane	79-34-5	600		0.56 U	3.1 U	0.62 U	2.8 U	65 UD	0.50 U	0.62 U
1,2,3-Trichloropropane	96-18-4	400		0.43 U	2.4 U	0.48 U	2.1 U	59 UD	0.45 U	0.48 U
Bromobenzene	108-86-1	NA		0.43 U	2.4 U	0.47 U	2.1 U	31 UD	0.24 U	0.47 U
n-propylbenzene	103-61-5	100 (STARS)		0.44 U	2.5 U	0.49 U	620	700 D	0.38 U	310 E
2-Chlorotoluene	95-49-8	NA		0.29 U	1.6 U	0.32 U	1.4 U	40 UD	0.31 U	0.32 U
1,3,5-Trimethylbenzene	108-67-8	NA		0.30 U	1.7 U	0.34 U	2900 E	1400 D	0.37 U	10
4-Chlorotoluene	106-43-4	NA		0.31 U	1.7 U	0.34 U	1.5 U	97 UD	0.74 U	0.34 U
tert-Butylbenzene	99-06-6	100 (STARS)		0.29 U	1.6 U	0.32 U	1.5 U	48 UD	0.36 U	0.32 U
1,2,4-Trimethylbenzene	95-63-6	100 (STARS)		0.43 U	2.4 U	0.48 U	2400 E	4700 D	0.37 U	32
sec-Butylbenzene	135-98-8	100 (STARS)		0.26 U	1.4 U	0.28 U	61	56 UD	0.43 U	130
p-Isopropyltoluene	99-87-6	100 (STARS)		0.62 U	3.5 U	0.69 U	140	48 UD	0.36 U	0.69 U
1,3-Dichlorobenzene	541-73-1	1,600		0.22 U	1.3 U	0.25 U	1.1 U	49 UD	0.37 U	0.25 U
1,4-Dichlorobenzene	106-46-7	8,500		0.37 U	2.1 U	0.41 U	1.8 U	51 UD	0.39 U	0.41 U
n-Butylbenzene	104-51-8	100 (STARS)		0.44 U	2.4 U	0.48 U	160	460 JD	0.47 U	150
1,2-Dichlorobenzene	95-50-1	7,900		0.44 U	2.4 U	0.48 U	2.2 U	48 UD	0.37 U	0.48 U
1,2-Dibromo-3-Chloropropane	96-12-8	NA		0.72 U	4.0 U	0.80 U	3.6 U	120 UD	0.94 U	0.80 U
1,2,4-Trichlorobenzene	120-82-1	3,400		0.27 U	1.5 U	0.29 U	1.3 U	38 UD	0.29 U	0.29 U
Hexachlorobutadiene	87-68-3	NA		0.49 U	2.7 U	0.54 U	2.4 U	34 UD	0.26 U	0.54 U
Naphthalene	91-20-3	13,000		59	77	5.0 J	320	450 JD	0.47 U	0.35
1,2,3-Trichlorobenzene	87-61-6	NA		0.47 U	2.6 U	0.52 U	2.3 U	32 UD	0.24 U	0.52 U
Total Confident Conc. VOC		10,000	74	77	83.6	9172	9760	0	891.6	
Total TICs		NA	0	1137	0	4028	0	0	5990	

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**TABLE 2:**  
**Summary of Volatile Organic Soil Analytical Results**

Harlem Hotel Site

Sample ID		HH3-14.5DL	HH6-14.5	HH7-1	HH7-15	HH8-1	HH8-14.5	HH8-14.5RE	
Lab Sample Number		S2932-01DL	S2932-02	S2932-03	S2932-04	S2932-05	S2932-06	S2932-06RE	
Sampling Date		06/07/04	06/07/04	06/07/04	06/07/04	06/07/04	06/07/04	06/07/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		5.0	1.0	1.0	1.0	1.0	1.0	1.0	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
COMPOUND	CAS #	NYSDEC TAGM SCOs							
Dichlorodifluoromethane	75-71-8	NA	7.3 UD	45 U	1.4 U	1.4 U	1.4 U	1.4 U	
Chloromethane	74-87-3	NA	1.9 UD	92 U	0.38 U	0.38 U	0.38 U	0.38 U	
Vinyl Chloride	75-01-4	200	1.4 UD	36 U	0.27 U	0.27 U	0.27 U	0.27 U	
Bromomethane	74-83-9	NA	4.2 UD	110 U	0.81 U	0.82 U	0.80 U	0.82 U	
Chloroethane	75-00-3	1,900	3.1 UD	120 U	0.60 U	0.61 U	0.60 U	0.61 U	
Trichlorofluoromethane	75-69-4	NA	14 UD	77 U	2.8 U	2.9 U	2.8 U	2.9 U	
Tert butyl alcohol	75-65-0	NA	86 UD	590 U	17 U	17 U	17 U	17 U	
1,1-Dichloroethene	75-35-4	400	1.3 UD	43 U	0.25 U	0.25 U	0.24 U	0.25 U	
Acrolein	107-02-8	NA	14 UD	240 U	2.7 U	2.7 U	2.7 U	2.7 U	
Acrylonitrile	107-13-1	NA	50 UD	430 U	9.9 U	10 U	9.7 U	10 U	
Acetone	67-64-1	200	92 JD	440 U	19 J	20 J	34	35	
Carbon Disulfide	75-15-0	2,700	28 JD	52 U	0.12 U	0.12 U	0.11 U	12	
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)	1.3 UD	48 U	0.26 U	0.27 U	0.26 U	0.27 U	
Methylene Chloride	75-09-2	100	4.0 UD	84 U	1.4 J	0.79 U	0.77 U	0.79 U	
trans-1,2-Dichloroethene	156-60-5	300	2.2 UD	69 U	0.43 U	0.43 U	0.42 U	0.43 U	
Vinyl Acetate	108-05-4	NA	32 UD	320 U	6.2 U	6.3 U	6.1 U	6.3 U	
1,1-Dichloroethane	75-34-3	200	2.1 UD	29 U	0.41 U	0.41 U	0.40 U	0.41 U	
2-Butanone	78-93-3	300	13 UD	380 U	2.6 U	2.6 U	2.6 U	2.6 U	
Carbon Tetrachloride	56-23-5	600	1.8 UD	63 U	0.34 U	0.35 U	0.34 U	0.35 U	
2,2-Dichloropropane	594-20-7	NA	6.0 UD	41 U	1.2 U	1.2 U	1.2 U	1.2 U	
cis-1,2-Dichloroethene	156-59-2	NA	2.1 UD	100 U	0.40 U	0.41 U	0.40 U	0.41 U	
Bromochloromethane	74-97-5	NA	2.6 UD	72 U	0.50 U	0.51 U	0.50 U	0.51 U	
Chloroform	67-66-3	300	1.4 UD	77 U	0.27 U	0.28 U	0.27 U	0.28 U	
1,1,1-Trichloroethane	71-55-6	800	1.6 UD	55 U	0.31 U	0.32 U	0.31 U	0.32 U	
1,1-Dichloropropene	563-43-2	NA	2.4 UD	50 U	0.48 U	0.48 U	0.47 U	0.48 U	
Benzene	71-43-2	60	1.2 UD	32 U	0.23 U	0.23 U	0.23 U	0.23 U	
1,2-Dichloroethane	107-06-2	100	18 UD	43 U	3.5 U	3.6 U	3.5 U	3.6 U	
Trichloroethene	79-01-6	700	1.9 UD	90 U	0.37 U	0.37 U	0.36 U	0.37 U	
1,2-Dichloropropane	78-87-5	NA	2.0 UD	43 U	0.39 U	0.39 U	0.38 U	0.39 U	
Dibromomethane	74-95-3	NA	1.6 UD	81 U	0.31 U	0.31 U	0.30 U	0.31 U	
Bromodichloromethane	75-27-4	NA	2.0 UD	47 U	0.38 U	0.39 U	0.38 U	0.39 U	
4-Methyl-2-Pentanone	108-10-1	1,000	14 UD	180 U	2.8 U	2.8 U	2.7 U	2.8 U	
Toluene	108-88-3	1,500	1.5 UD	52 U	0.30 U	0.30 U	0.29 U	0.30 U	
t-1,3-Dichloropropene	10061-02-6	NA	1.5 UD	57 U	0.29 U	0.30 U	0.29 U	0.30 U	
cis-1,3-Dichloropropene	10061-01-5	NA	1.1 UD	20 U	0.22 U	0.23 U	0.22 U	0.23 U	
1,1,2-Trichloroethane	79-00-5	NA	3.0 UD	69 U	0.58 U	0.59 U	0.57 U	0.59 U	
1,3-Dichloropropane	142-28-9	300	2.7 UD	52 U	0.53 U	0.53 U	0.52 U	0.53 U	
2-Chloroethyl Vinyl ether	110-75-8	NA	6.6 UD	250 U	1.3 U	1.3 U	1.3 U	1.3 U	
2-Hexanone	591-78-6	NA	19 UD	89 U	3.7 U	3.7 U	3.6 U	3.7 U	
Dibromochloromethane	124-48-1	NA	1.7 UD	51 U	0.33 U	0.34 U	0.33 U	0.34 U	
1,2-Dibromoethane	106-93-4	NA	2.4 UD	85 U	0.48 U	0.48 U	0.47 U	0.48 U	
Tetrachloroethene	127-18-4	1,400	3.7 UD	44 U	0.73 U	0.74 U	0.72 U	3.5 J	
Chlorobenzene	108-90-7	1,700	2.1 UD	49 U	0.40 U	0.41 U	0.40 U	0.41 U	
1,1,1,2-Tetrachloroethane	630-20-6	NA	1.0 UD	58 U	0.20 U	0.21 U	0.20 U	0.21 U	
Ethyl Benzene	100-41-4	5,500	1.5 UD	55 U	0.29 U	0.29 U	0.28 U	0.29 U	
m/p-Xylenes	136777-61-2	1,200	9.4 JD	130 U	0.59 U	0.60 U	0.58 U	0.60 U	
o-Xylene	95-47-6	1,200	23 JD	49 U	0.50 U	0.50 U	0.49 U	0.50 U	
Styrene	100-42-5	NA	1.8 UD	46 U	0.36 U	0.36 U	0.36 U	0.36 U	
Bromoform	75-25-2	NA	1.8 UD	34 U	0.34 U	0.35 U	0.34 U	0.35 U	
Isopropylbenzene	98-82-6	NA	120 D	300 J	0.43 U	0.43 U	0.42 U	0.43 U	
1,1,2,2-Tetrachloroethane	79-34-5	600	3.1 UD	67 U	0.61 U	0.62 U	0.60 U	0.62 U	
1,2,3-Trichloropropane	96-18-4	400	2.4 UD	61 U	0.47 U	0.47 U	0.46 U	0.47 U	
Bromobenzene	108-86-1	NA	2.4 UD	32 U	0.46 U	0.47 U	0.46 U	0.47 U	
n-propylbenzene	103-61-5	100 (STARS)	340 D	580 J	0.48 U	0.48 U	0.47 U	0.48 U	
2-Chlorotoluene	95-49-8	NA	1.6 UD	41 U	0.31 U	0.32 U	0.31 U	0.32 U	
1,3,5-Trimethylbenzene	108-67-8	NA	13 JD	49 U	0.33 U	0.33 U	0.32 U	0.33 U	
4-Chlorotoluene	106-43-4	NA	1.7 UD	99 U	0.34 U	0.34 U	0.33 U	0.34 U	
tert-Butylbenzene	98-06-6	100 (STARS)	1.6 UD	49 U	0.32 U	0.32 U	0.31 U	0.32 U	
1,2,4-Trimethylbenzene	95-63-6	100 (STARS)	56 D	50 U	0.47 U	0.47 U	0.46 U	0.47 U	
sec-Butylbenzene	135-98-8	100 (STARS)	200 D	680	0.28 U	1.8 J	0.27 U	0.28 U	
p-Isopropyltoluene	99-87-6	100 (STARS)	3.4 UD	49 U	0.67 U	0.68 U	0.67 U	0.68 U	
1,3-Dichlorobenzene	541-73-1	1,600	1.2 UD	50 U	0.24 U	0.25 U	0.24 U	0.25 U	
1,4-Dichlorobenzene	106-46-7	8,500	2.1 UD	52 U	0.40 U	0.40 U	0.40 U	0.41 U	
n-Butylbenzene	104-51-8	100 (STARS)	280 D	920	0.47 U	0.48 U	0.47 U	0.48 U	
1,2-Dichlorobenzene	95-50-1	7,900	2.4 UD	49 U	0.47 U	0.48 U	0.46 U	0.48 U	
1,2-Dibromo-3-Chloropropane	96-12-8	NA	4.0 UD	130 U	0.78 U	0.79 U	0.77 U	0.79 U	
1,2,4-Trichlorobenzene	120-82-1	3,400	1.5 UD	39 U	0.29 U	0.29 U	0.28 U	0.29 U	
Hexachlorobutadiene	87-68-3	NA	2.7 UD	34 U	0.53 U	0.53 U	0.52 U	0.53 U	
Naphthalene	91-20-3	13,000	54 D	4600	0.34 U	0.35 U	0.34 U	0.35 U	
1,2,3-Trichlorobenzene	87-61-6	NA	2.6 UD	33 U	0.51 U	0.51 U	0.50 U	0.51 U	
Total Confident Conc. VOC		10,000	1215.4	7080	20.4	21.8	34	52	10.8
Total TICs		NA	0	166000	0	759	0	3710	0

**TABLE 3:**  
**Summary of Base Neutral Organic (Semi-Volatile)**  
**Compounds Analytical Results**

Sample ID		HH1-1	HH1-14	HH2-1	HH2-15	HH3-1	HH3-1DL	
Lab Sample Number		S2794-01	S2794-02	S2794-03	S2794-04	S2794-05	S2794-05DL	
Sampling Date		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	1.0	5.0	5.0	5.0	50.0	
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
		NYSDEC						
COMPOUND	CAS #	TAGM SCOs						
bis(2-Chloroethyl)ether	111-44-4	NA	180 U	20 U	900 U	93 U	850 U	8,500 UD
1,2,4-Trichlorobenzene	120-82-1	NA	100 U	12 U	530 U	54 U	500 U	5,000 UD
1,2-Dichlorobenzene	95-50-1	NA	200 U	22 U	1000 U	100 U	940 U	9,400 UD
1,3-Dichlorobenzene	541-73-1	NA	130 U	15 U	680 U	70 U	640 U	6,400 UD
1,4-Dichlorobenzene	106-46-7	NA	150 U	17 U	760 U	79 U	720 U	7,200 UD
2,2-oxybis(1-Chloropropane)	108-60-1	NA	200 U	22 U	990 U	100 U	940 U	9,400 UD
2,4-Dinitrotoluene	121-14-2	1,000	73 U	8.1 U	370 U	38 U	340 U	3,400 UD
2,6-Dinitrotoluene	806-20-2	1,000	160 U	17 U	780 U	81 U	740 U	7,400 UD
2-Chloronaphthalene	91-58-7	NA	76 U	8.5 U	380 U	39 U	360 U	3,600 UD
2-Methylnaphthalene	91-57-6	36,400	63 U	550	320 U	1200 J	300 U	3,000 UD
2-Nitroaniline	88-74-4	430	130 U	15 U	660 U	69 U	630 U	6,300 UD
3,3-Dichlorobenzidine	91-94-1	NA	580 U	65 U	2900 U	300 U	2800 U	28,000 UD
3-Nitroaniline	99-09-2	500	590 U	65 U	3000 U	310 U	2800 U	28,000 UD
4-Bromophenyl-phenylether	101-55-3	NA	96 U	11 U	480 U	50 U	450 U	4,500 UD
4-Chloroaniline	106-47-8	220	1,300 U	150 U	6,800 U	700 U	6,400 U	64,000 UD
4-Chlorophenyl-phenylether	7005-72-3	NA	90 U	10 U	450 U	47 U	430 U	4,300 UD
4-Nitroaniline	100-01-6	NA	290 U	32 U	1400 U	150 U	1400 U	14,000 UD
Acenaphthene	83-32-9	50,000	80 U	780	400 U	1700 J	380 U	3,800 UD
Acenaphthylene	208-96-8	41,000	110 U	160 J	550 U	410 J	520 U	5,200 UD
Anthracene	120-12-7	50,000	740 J	690	440 U	2600	410 U	4,100 UD
Azobenzene	103-33-3	NA	100 U	12 U	520 U	54 U	490 U	4,900 UD
Benzo(a)anthracene	56-55-3	224	3,700	360 J	2,400 J	3,500	260 U	2,600 UD
Benzo(a)pyrene	50-32-8	61	3,200 J	260 J	2,300 J	2,400	300 U	3,000 UD
Benzo(b)fluoranthene	205-99-2	1,100	3,600	230 J	2300 J	2,600	920 U	9,200 UD
Benzo(g,h,i)perylene	191-24-2	50,000	1600 J	69 J	800 U	740 J	750 U	7,500 UD
Benzo(k)fluoranthene	207-08-9	1,100	1,700 J	86 J	630 U	1,500 J	590 U	5,900 UD
bis(2-Chloroethoxy)methane	111-91-1	NA	170 U	19 U	840 U	86 U	790 U	7,900 UD
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	84 U	9.3 U	420 U	43 U	680,000 E	800,000 D
Butylbenzylphthalate	85-68-7	50,000	120 U	14 U	610 U	63 U	580 U	5,800 UD
Chrysene	218-01-9	400	3,300 J	450	2,400 J	2,900	550 U	5,500 UD
Dibenz(a,h)anthracene	53-70-3	14	110 U	12 U	540 U	55 U	510 U	5,100 UD
Dibenzofuran	132-64-9	6,200	120 U	180 J	600 U	1500 J	570 U	5,700 UD
Diethylphthalate	84-66-2	7,100	110 U	13 U	580 U	59 U	540 U	5,400 UD
Dimethylphthalate	131-11-3	40,000	87 U	9.7 U	440 U	45 U	410 U	4,100 UD
Di-n-butylphthalate	84-74-2	8,100	48 U	5.4 U	240 U	25 U	230 U	2,300 UD
Di-n-octyl phthalate	117-84-0	50,000	87 U	9.7 U	440 U	45 U	410 U	4,100 UD
Fluoranthene	206-44-0	50,000	6,100	610	4,400 J	6,400	240 U	2,400 UD
Fluorene	86-73-7	50,000	100 U	540	520 U	1,800 J	490 U	4,900 UD
Hexachlorobenzene	118-74-1	410	68 U	7.6 U	340 U	35 U	320 U	3,200 UD
Hexachlorobutadiene	87-68-3	NA	130 U	14 U	640 U	66 U	610 U	6,100 UD
Hexachlorocyclopentadiene	77-47-4	NA	91 U	10 U	460 U	47 U	430 U	4,300 UD
Hexachloroethane	87-72-1	NA	170 U	19 U	870 U	90 U	830 U	8,300 UD
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	1,200 J	50 J	440 U	660 J	420 U	4,200 UD
Isophorone	78-59-1	4,400	140 U	15 U	680 U	70 U	640 U	6,400 UD
Naphthalene	91-20-3	13,000	79 U	430	400 U	2,400	380 U	3,800 UD
Nitrobenzene	98-95-3	200	190 U	21 U	930 U	96 U	880 U	8,800 UD
N-Nitroso-di-n-propylamine	621-64-7	NA	160 U	18 U	810 U	83 U	760 U	7,600 UD
N-Nitrosodiphenylamine	86-30-6	NA	93 U	10 U	460 U	48 U	440 U	4,400 UD
Phenanthrene	85-01-8	50,000	3,500 J	1,900	3,700 J	9,200	390 U	3,900 UD
Pyrene	129-00-0	50,000	6,400	1,100	4,700 J	5,900	2,200 J	3,100 UD
Total Confident Conc. SVOC		500,000	35,040	8,445	22,200	47,410	682,200	800,000
Total TICs		NA	10,040	36,900	5,700	25,700	1,100	-

Qualifiers

- U - The compound was not detected at the indicated concentration.
- J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.  
The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
- P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
- \* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.
- NR - Not analyzed

**TABLE 3:**  
**Summary of Base Neutral Organic (Semi-Volatile)**  
**Compounds Analytical Results**

Sample ID		HH5-1	HH5-1RE	HH5-16	HH4-1	HH4-1RE	HH4-15	
Lab Sample Number		S2794-06	S2794-06RE	S2794-07	S2794-08	S2794-08RE	S2794-09	
Sampling Date		05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	05/28/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		10.0	10.0	1.0	1.0	1.0	1.0	
Units	NYSDEC	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
COMPOUND	CAS #	TAGM SCOS						
bis(2-Chloroethyl)ether	111-44-4	NA	1800 U	1,800 U	23 U	17 U	17 U	19 U
1,2,4-Trichlorobenzene	120-82-1	NA	1000 U	1,000 U	13 U	9.9 U	9.9 U	11 U
1,2-Dichlorobenzene	95-50-1	NA	1900 U	1,900 U	25 U	19 U	19 U	21 U
1,3-Dichlorobenzene	541-73-1	NA	1300 U	1,300 U	17 U	13 U	13 U	14 U
1,4-Dichlorobenzene	106-46-7	NA	1500 U	1,500 U	19 U	14 U	14 U	16 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	1900 U	1,900 U	25 U	19 U	19 U	21 U
2,4-Dinitrotoluene	121-14-2	1,000	710 U	710 U	9.3 U	6.9 U	6.9 U	7.8 U
2,6-Dinitrotoluene	806-20-2	1,000	1500 U	22,000 J	20 U	15 U	15 U	17 U
2-Chloronaphthalene	91-58-7	NA	740 U	740 U	9.7 U	7.2 U	7.2 U	8.1 U
2-Methylnaphthalene	91-57-6	36,400	610 U	610 U	8.0 U	35 J	51 J	6.7 U
2-Nitroaniline	88-74-4	430	1300 U	1,300 U	17 U	13 U	13 U	14 U
3,3-Dichlorobenzidine	91-94-1	NA	5700 U	5,700 U	75 U	56 U	56 U	62 U
3-Nitroaniline	99-09-2	500	5700 U	5,700 U	75 U	56 U	56 U	63 U
4-Bromophenyl-phenylether	101-55-3	NA	930 U	930 U	12 U	9.1 U	9.1 U	10 U
4-Chloroaniline	106-47-8	220	13,000 U	13,000 U	170 U	130 U	130 U	140 U
4-Chlorophenyl-phenylether	7005-72-3	NA	880 U	880 U	12 U	8.6 U	8.6 U	9.6 U
4-Nitroaniline	100-01-6	NA	2800 U	2,800 U	36 U	27 U	27 U	30 U
Acenaphthene	83-32-9	50,000	780 U	780 U	10 U	94 J	120 J	40 J
Acenaphthylene	208-96-8	41,000	1100 U	1,100 U	14 U	10 U	10 U	12 U
Anthracene	120-12-7	50,000	850 U	850 U	76 J	110 J	140 J	50 J
Azobenzene	103-33-3	NA	1000 U	1,000 U	13 U	9.8 U	9.8 U	11 U
Benzo(a)anthracene	56-55-3	224	540 U	540 U	150 J	220 J	240 J	53 J
Benzo(a)pyrene	50-32-8	61	610 U	610 U	130 J	190 J	230 J	40 J
Benzo(b)fluoranthene	205-99-2	1,100	1900 U	1,900 U	170 J	280 J	300 J	45 J
Benzo(g,h,i)perylene	191-24-2	50,000	1500 U	1,500 U	20 U	47 J	65 J	17 U
Benzo(k)fluoranthene	207-08-9	1,100	1200 U	1,200 U	64 J	130 J	150 J	13 U
bis(2-Chloroethoxy)methane	111-91-1	NA	1600 U	1,600 U	21 U	16 U	16 U	18 U
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	820 U	820 U	66 J	57 J	89 J	370 J
Butylbenzylphthalate	85-68-7	50,000	1200 U	1,200 U	16 U	12 U	12 U	160 J
Chrysene	218-01-9	400	1100 U	1,100 U	190 J	230 J	250 J	66 J
Dibenz(a,h)anthracene	53-70-3	14	1000 U	1,000 U	14 U	10 U	10 U	11 U
Dibenzofuran	132-64-9	6,200	1200 U	1,200 U	15 U	85 J	93 J	13 U
Diethylphthalate	84-66-2	7,100	1100 U	1,100 U	15 U	11 U	11 U	12 U
Dimethylphthalate	131-11-3	40,000	850 U	9,300 J	11 U	8.3 U	8.3 U	9.3 U
Di-n-butylphthalate	84-74-2	8,100	470 U	470 U	70 J	61 J	72 J	5.2 U
Di-n-octyl phthalate	117-84-0	50,000	850 U	850 U	11 U	8.3 U	8.3 U	9.3 U
Fluoranthene	206-44-0	50,000	490 U	490 U	320 J	610	600	130 J
Fluorene	86-73-7	50,000	1000 U	1,000 U	13 U	110 J	150 J	11 U
Hexachlorobenzene	118-74-1	410	670 U	670 U	8.7 U	6.5 U	6.5 U	7.3 U
Hexachlorobutadiene	87-68-3	NA	1200 U	1,200 U	16 U	12 U	12 U	14 U
Hexachlorocyclopentadiene	77-47-4	NA	890 U	890 U	12 U	8.7 U	8.7 U	9.8 U
Hexachloroethane	87-72-1	NA	1700 U	1,700 U	22 U	17 U	17 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	860 U	860 U	11 U	8.4 U	37 J	9.4 U
Isophorone	78-59-1	4,400	1300 U	1,300 U	17 U	13 U	13 U	14 U
Naphthalene	91-20-3	13,000	770 U	770 U	10 U	79 J	91 J	8.5 U
Nitrobenzene	98-95-3	200	1800 U	1,800 U	24 U	18 U	18 U	20 U
N-Nitroso-di-n-propylamine	621-64-7	NA	1600 U	1,600 U	20 U	15 U	15 U	17 U
N-Nitrosodiphenylamine	86-30-6	NA	900 U	900 U	12 U	8.8 U	8.8 U	9.9 U
Phenanthrene	85-01-8	50,000	790 U	790 U	270 J	810	890	170 J
Pyrene	129-00-0	50,000	4,400 J	630 U	370 J	550	580	140 J
Total Confident Conc. SVOC		500,000	0	31,300	1,876	3,698	4,148	1,264
Total TICs		NA	15,800	0	6,490	1,380	-	4,450

Qualifiers

U - The compound was not detected at the indicated conc

J - Data indicates the presence of a compound that meets  
 The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well :

P - For dual column analysis, the percent difference betwe

\* - For dual column analysis, the lowest quantitated conce

NR - Not analyzed



**TABLE 3:**  
**Summary of Base Neutral Organic (Semi-Volatile)**  
**Compounds Analytical Results**

Sample ID		HH6-1	HH6-13	HH3-14.5	HH6-14.5	HH7-1	HH7-1RE	
Lab Sample Number		S2794-10	S2794-11	S2932-01	S2932-02	S2932-03	S2932-03RE	
Sampling Date		05/28/04	05/28/04	06/07/04	06/07/04	06/07/04	06/07/04	
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor		10.0	5.0	1.0	10.0	5.0	5.0	
Units	NYSDEC	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
COMPOUND	CAS #	TAGM SCOS						
bis(2-Chloroethyl)ether	111-44-4	NA	1900 U	850 U	19 U	350 U	180 U	180 U
1,2,4-Trichlorobenzene	120-82-1	NA	1100 U	500 U	11 U	200 U	110 U	110 U
1,2-Dichlorobenzene	95-50-1	NA	2100 U	940 U	21 U	380 U	200 U	200 U
1,3-Dichlorobenzene	541-73-1	NA	1400 U	640 U	14 U	260 U	140 U	140 U
1,4-Dichlorobenzene	106-46-7	NA	1600 U	720 U	16 U	290 U	160 U	160 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	2100 U	940 U	21 U	380 U	200 U	200 U
2,4-Dinitrotoluene	121-14-2	1,000	770 U	350 U	7.7 U	140 U	74 U	74 U
2,6-Dinitrotoluene	806-20-2	1,000	1600 U	740 U	17 U	300 U	160 U	160 U
2-Chloronaphthalene	91-58-7	NA	800 U	360 U	8.1 U	150 U	78 U	78 U
2-Methylnaphthalene	91-57-6	36,400	660 U	300 U	1700	24000	64 U	64 U
2-Nitroaniline	88-74-4	430	1400 U	630 U	14 U	250 U	140 U	140 U
3,3-Dichlorobenzidine	91-94-1	NA	6200 U	2800 U	62 U	1100 U	600 U	600 U
3-Nitroaniline	99-09-2	500	6200 U	2800 U	63 U	1100 U	600 U	600 U
4-Bromophenyl-phenylether	101-55-3	NA	1000 U	460 U	10 U	180 U	98 U	98 U
4-Chloroaniline	106-47-8	220	14,000 U	6,400 U	140 U	2600 U	1400 U	1400 U
4-Chlorophenyl-phenylether	7005-72-3	NA	950 U	430 U	9.6 U	170 U	93 U	93 U
4-Nitroaniline	100-01-6	NA	3000 U	1400 U	30 U	550 U	290 U	290 U
Acenaphthene	83-32-9	50,000	850 U	380 U	190 J	4000 J	82 U	82 U
Acenaphthylene	208-96-8	41,000	1200 U	520 U	12 U	210 U	110 U	110 U
Anthracene	120-12-7	50,000	920 U	410 U	210 J	2500 J	89 U	89 U
Azobenzene	103-33-3	NA	1100 U	490 U	11 U	200 U	110 U	110 U
Benzo(a)anthracene	56-55-3	224	580 U	260 U	71 J	1,200 J	56 U	56 U
Benzo(a)pyrene	50-32-8	61	660 U	300 U	6.7 U	120 U	64 U	64 U
Benzo(b)fluoranthene	205-99-2	1,100	2000 U	920 U	21 U	370 U	490 J	480 J
Benzo(g,h,i)perylene	191-24-2	50,000	1700 U	750 U	17 U	310 U	160 U	160 U
Benzo(k)fluoranthene	207-08-9	1,100	1300 U	590 U	13 U	240 U	130 U	130 U
bis(2-Chloroethoxy)methane	111-91-1	NA	1800 U	790 U	18 U	320 U	170 U	170 U
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	880 U	10000 J	8.9 U	160 U	86 U	86 U
Butylbenzylphthalate	85-68-7	50,000	1300 U	580 U	13 U	240 U	130 U	130 U
Chrysene	218-01-9	400	1200 U	550 U	140 J	2,600 J	120 U	120 U
Dibenz(a,h)anthracene	53-70-3	14	1100 U	510 U	11 U	210 U	110 U	110 U
Dibenzofuran	132-64-9	6,200	1300 U	570 U	130 J	2800 J	120 U	120 U
Diethylphthalate	84-66-2	7,100	1200 U	540 U	12 U	220 U	120 U	120 U
Dimethylphthalate	131-11-3	40,000	920 U	410 U	9.3 U	170 U	89 U	89 U
Di-n-butylphthalate	84-74-2	8,100	510 U	230 U	5.2 U	93 U	50 U	50 U
Di-n-octyl phthalate	117-84-0	50,000	920 U	410 U	9.3 U	170 U	89 U	89 U
Fluoranthene	206-44-0	50,000	3200 J	2900 J	79 J	1100 J	500 J	520 J
Fluorene	86-73-7	50,000	1100 U	490 U	370 J	200 U	110 U	110 U
Hexachlorobenzene	118-74-1	410	720 U	320 U	7.3 U	130 U	70 U	70 U
Hexachlorobutadiene	87-68-3	NA	1300 U	610 U	14 U	250 U	130 U	130 U
Hexachlorocyclopentadiene	77-47-4	NA	960 U	430 U	9.7 U	180 U	94 U	94 U
Hexachloroethane	87-72-1	NA	1800 U	830 U	19 U	330 U	180 U	180 U
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	930 U	420 U	9.4 U	170 U	90 U	90 U
Isophorone	78-59-1	4,400	1400 U	640 U	14 U	260 U	140 U	140 U
Naphthalene	91-20-3	13,000	840 U	380 U	8.4 U	150 U	81 U	81 U
Nitrobenzene	98-95-3	200	2000 U	880 U	20 U	360 U	190 U	190 U
N-Nitroso-di-n-propylamine	621-64-7	NA	1700 U	760 U	17 U	310 U	160 U	160 U
N-Nitrosodiphenylamine	86-30-6	NA	980 U	440 U	9.8 U	180 U	95 U	95 U
Phenanthrene	85-01-8	50,000	860 U	3500 J	1100	4400 J	83 U	83 U
Pyrene	129-00-0	50,000	690 U	3,100 J	220 J	4100 J	710 J	720 J
Total Confident Conc. SVOC		500,000	-	19,500	4,210	46,700	1,700	1,720
Total TICs		NA	9,700	8200	0	0	0	0

Qualifiers

- U - The compound was not detected at the indicated conc
- J - Data indicates the presence of a compound that meets  
The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well :
- P - For dual column analysis, the percent difference betwe
- \* - For dual column analysis, the lowest quantitated conce
- NR - Not analyzed

**TABLE 3:**  
**Summary of Base Neutral Organic (Semi-Volatile)**  
**Compounds Analytical Results**

Sample ID		HH7-15	HH8-1	HH8-1RE	HH8-14.5	
Lab Sample Number		S2932-04	S2932-05	S2932-05RE	S2932-06	
Sampling Date		06/07/04	06/07/04	06/07/04	06/07/04	
Matrix		SOIL	SOIL	SOIL	SOIL	
Dilution Factor		1.0	5.0	5.0	2.0	
Units	NYSDEC	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
COMPOUND	CAS #	TAGM SCOs				
bis(2-Chloroethyl)ether	111-44-4	NA	19 U	180 U	180 U	75 U
1,2,4-Trichlorobenzene	120-82-1	NA	11 U	110 U	110 U	43 U
1,2-Dichlorobenzene	95-50-1	NA	21 U	200 U	200 U	82 U
1,3-Dichlorobenzene	541-73-1	NA	14 U	140 U	140 U	56 U
1,4-Dichlorobenzene	106-46-7	NA	16 U	150 U	150 U	63 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	21 U	200 U	200 U	82 U
2,4-Dinitrotoluene	121-14-2	1,000	7.6 U	74 U	74 U	30 U
2,6-Dinitrotoluene	806-20-2	1,000	16 U	160 U	160 U	64 U
2-Chloronaphthalene	91-58-7	NA	7.9 U	77 U	77 U	32 U
2-Methylnaphthalene	91-57-6	36,400	6.5 U	64 U	64 U	26 U
2-Nitroaniline	88-74-4	430	14 U	130 U	130 U	55 U
3,3-Dichlorobenzidine	91-94-1	NA	61 U	590 U	590 U	240 U
3-Nitroaniline	99-09-2	500	61 U	600 U	600 U	240 U
4-Bromophenyl-phenylether	101-55-3	NA	10 U	97 U	97 U	40 U
4-Chloroaniline	106-47-8	220	140 U	1400 U	1400 U	560 U
4-Chlorophenyl-phenylether	7005-72-3	NA	9.4 U	92 U	92 U	37 U
4-Nitroaniline	100-01-6	NA	30 U	290 U	290 U	120 U
Acenaphthene	83-32-9	50,000	75 J	82 U	82 U	33 U
Acenaphthylene	208-96-8	41,000	11 U	110 U	110 U	45 U
Anthracene	120-12-7	50,000	110 J	450 J	490 J	36 U
Azobenzene	103-33-3	NA	11 U	110 U	110 U	43 U
Benzo(a)anthracene	56-55-3	224	100 J	1,400 J	1,400 J	23 U
Benzo(a)pyrene	50-32-8	61	61 J	1500 J	1600 J	26 U
Benzo(b)fluoranthene	205-99-2	1,100	69 J	2,200 J	2,400 J	80 U
Benzo(g,h,i)perylene	191-24-2	50,000	17 U	460 J	160 U	66 U
Benzo(k)fluoranthene	207-08-9	1,100	13 U	1100 J	710 J	52 U
bis(2-Chloroethoxy)methane	111-91-1	NA	17 U	170 U	170 U	69 U
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	8.7 U	85 U	85 U	35 U
Butylbenzylphthalate	85-68-7	50,000	13 U	120 U	120 U	51 U
Chrysene	218-01-9	400	170 J	1,800 J	1,700 J	320 J
Dibenz(a,h)anthracene	53-70-3	14	11 U	110 U	110 U	44 U
Dibenzofuran	132-64-9	6,200	12 U	120 U	120 U	50 U
Diethylphthalate	84-66-2	7,100	12 U	120 U	120 U	48 U
Dimethylphthalate	131-11-3	40,000	9.1 U	88 U	88 U	36 U
Di-n-butylphthalate	84-74-2	8,100	92 J	49 U	49 U	20 U
Di-n-octyl phthalate	117-84-0	50,000	9.1 U	88 U	88 U	36 U
Fluoranthene	206-44-0	50,000	130 J	3000 J	3200 J	21 U
Fluorene	86-73-7	50,000	150 J	110 U	110 U	43 U
Hexachlorobenzene	118-74-1	410	7.1 U	69 U	69 U	28 U
Hexachlorobutadiene	87-68-3	NA	13 U	130 U	130 U	53 U
Hexachlorocyclopentadiene	77-47-4	NA	9.5 U	93 U	93 U	38 U
Hexachloroethane	87-72-1	NA	18 U	180 U	180 U	72 U
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	9.2 U	89 U	89 U	37 U
Isophorone	78-59-1	4,400	14 U	140 U	140 U	56 U
Naphthalene	91-20-3	13,000	8.3 U	80 U	80 U	33 U
Nitrobenzene	98-95-3	200	19 U	190 U	190 U	77 U
N-Nitroso-di-n-propylamine	621-64-7	NA	17 U	160 U	160 U	67 U
N-Nitrosodiphenylamine	86-30-6	NA	9.6 U	94 U	94 U	38 U
Phenanthrene	85-01-8	50,000	260 J	2800 J	2900 J	34 U
Pyrene	129-00-0	50,000	330 J	3900	3800	470 J
Total Confident Conc. SVOC		500,000	1,547	18,610	18,200	790
Total TICs		NA	0	0	0	0

Qualifiers

- U - The compound was not detected at the indicated conc
- J - Data indicates the presence of a compound that meets  
The concentration given is an approximate value.
- B - The analyte was found in the laboratory blank as well :
- P - For dual column analysis, the percent difference betwe
- \* - For dual column analysis, the lowest quantitated conce
- NR - Not analyzed



Summary of Pesticide and PCB Analytical Results

Sample ID		HH1-1	HH1-14	HH2-1	HH2-1DL	HH2-15	HH3-1	HH5-1	HH5-16	
Lab Sample Number		S2794-01	S2794-02	S2794-03	S2794-03DL	S2794-04	S2794-05	S2794-06	S2794-07	
Sampling Date		05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	05/27/04	05/28/04	05/28/04	
Matrix	NYSDEC TAGM	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
Dilution Factor	SCOs	1.0	1.0	1.0	10.0	1.0	1.0	1.0	1.0	
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	
<b>Pesticides</b>										
<b>COMPOUND</b>	<b>CAS #</b>									
alpha-BHC	319-84-6	110	1.2 U	1.4 U	1.2 U	NR	1.3 U	1.2 U	1.2 U	1.6 U
beta-BHC	319-85-7	200	1.3 U	1.4 U	1.3 U	NR	1.3 U	1.2 U	1.2 U	1.6 U
delta-BHC	319-86-8	300	0.98 U	1.1 U	0.98 U	NR	1.0 U	0.93 U	0.94 U	1.2 U
gamma-BHC	58-89-9	60	1.3 U	1.5 U	1.3 U	NR	1.4 U	1.3 U	1.3 U	1.7 U
Heptachlor	76-44-8	100	1.5 U	1.6 U	1.5 U	NR	1.5 U	1.4 U	1.4 U	1.8 U
Aldrin	309-00-2	41	1.2 U	1.3 U	1.2 U	NR	1.2 U	1.1 U	1.1 U	1.5 U
Heptachlor epoxide	1024-57-3	20	1.4 U	1.6 U	1.4 U	NR	1.5 U	1.3 U	1.4 U	1.8 U
Endosulfan I	959-98-8	900	1.6 U	1.8 U	1.1 P	NR	1.7 U	1.5 U	1.6 U	2.0 U
Dieldrin	60-57-1	44	1.1 U	1.2 U	1.1 U	NR	1.2 U	1.1 U	1.1 U	1.4 U
4,4-DDE	72-55-9	2,100	11	1.6 U	54	NR	1.5 U	15	1.4 U	1.8 U
Endrin	72-20-8	100	2.0 U	2.2 U	66 P	NR	2.1 U	1.9 U	1.9 U	2.6 U
Endosulfan II	33213-65-9	900	1.5 U	1.6 U	1.5 U	NR	1.5 U	1.4 U	1.4 U	1.9 U
4,4-DDD	72-54-8	2,900	1.1 U	1.3 U	1.1 U	NR	1.2 U	1.1 U	1.1 U	1.4 U
Endosulfan Sulfate	1031-07-8	1,000	1.6 U	1.8 U	1.6 U	NR	1.7 U	1.5 U	1.6 U	2.1 U
4,4-DDT	50-29-3	2,100	100	2.3 U	240	NR	9.0	58	2.0 U	2.6 U
Methoxychlor	72-43-5	10,000	1.4 U	1.5 U	1.4 U	NR	1.4 U	1.3 U	1.3 U	1.8 U
Endrin ketone	53494-70-5	NA	1.4 U	1.6 U	1.4 U	NR	1.5 U	1.4 U	1.4 U	1.8 U
Endrin aldehyde	7421-93-4	NA	1.7 U	1.9 U	1.7 U	NR	1.8 U	1.6 U	1.6 U	2.1 U
alpha-Chlordane	5103-71-9	540	5.1	1.8 U	11	NR	1.7 U	4.6 P	1.6 U	2.1 U
gamma-Chlordane	5103-74-2	540	5.2 P	1.8 U	9.6	NR	1.7 U	4.1	1.6 U	2.1 U
Toxaphene	8001-35-2	NA	3.3 U	3.7 U	3.3 U	NR	3.4 U	3.1 U	3.2 U	4.2 U
<b>PCBs</b>										
Aroclor-1016	12674-11-2	1,000-surface/ 10,000-subsurface	5.8 U	6.3 U	5.8 U	58 UD	5.9 U	5.5 U	5.6 U	7.3 U
Aroclor-1221	11104-28-2	1,000-surface/ 10,000-subsurface	3.9 U	4.3 U	3.9 U	39 UD	4.0 U	3.7 U	3.8 U	5.0 U
Aroclor-1232	11141-16-5	1,000-surface/ 10,000-subsurface	2.7 U	2.9 U	2.7 U	27 UD	2.7 U	2.5 U	2.6 U	3.4 U
Aroclor-1242	53469-21-9	1,000-surface/ 10,000-subsurface	3.4 U	3.8 U	3.4 U	34 UD	3.5 U	3.2 U	3.3 U	4.3 U
Aroclor-1248	12672-29-6	1,000-surface/ 10,000-subsurface	4.0 U	4.4 U	4.0 U	40 UD	4.2 U	3.8 U	3.9 U	5.1 U
Aroclor-1254	11097-69-1	1,000-surface/ 10,000-subsurface	1.5 U	1.6 U	1.5 U	15 UD	1.5 U	1.4 U	1.4 U	1.9 U
Aroclor-1260	11096-82-5	1,000-surface/ 10,000-subsurface	3.3 U	3.6 U	870 E	<b>1,600 D</b>	3.4 U	3.1 U	3.2 U	4.1 U
<b>Qualifiers</b>										
U - The compound was not detected at the indicated concentration.										
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.										
The concentration given is an approximate value.										
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.										
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.										
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.										
NR - Not analyzed										

Summary of Pesticide and PCB Analytical Results

Sample ID		HH4-1	HH4-15	HH6-1	HH6-13	HH3-14.5	HH6-14.5	HH7-1	HH7-15	HH8-1	HH8-14.5
Lab Sample Number		S2794-08	S2794-09	S2794-10	S2794-11	S2932-01	S2932-02	S2932-03	S2932-04	S2932-05	S2932-06
Sampling Date		05/28/04	05/28/04	05/28/04	05/28/04	06/07/04	06/07/04	06/07/04	06/07/04	06/07/04	06/07/04
Matrix	NYSDEC TAGM	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor	SCOs	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Pesticides											
COMPOUND	CAS #										
alpha-BHC	319-84-6	110	1.2 U	1.3 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U
beta-BHC	319-85-7	200	1.2 U	1.4 U	1.3 U	1.2 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U
delta-BHC	319-86-8	300	0.94 U	1.1 U	1.0 U	0.93 U	1.0 U	0.95 U	1.0 U	1.0 U	1.0 U
gamma-BHC	58-89-9	60	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U
Heptachlor	76-44-8	100	1.4 U	1.6 U	1.5 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U
Aldrin	309-00-2	41	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.2 U	1.2 U
Heptachlor epoxide	1024-57-3	20	1.3 U	1.5 U	1.5 U	1.3 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U
Endosulfan I	959-98-8	900	1.5 U	1.7 U	1.7 U	1.5 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
Dieldrin	60-57-1	44	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U	1.1 U	1.2 U
4,4-DDE	72-55-9	2,100	1.4 U	1.5 U	1.5 U	4.2	1.5 U	1.4 U	7.0	1.5 U	23 P 9.7
Endrin	72-20-8	100	1.9 U	2.2 U	2.2 U	1.9 U	2.1 U	2.0 U	2.1 U	2.1 U	2.1 U
Endosulfan II	33213-65-9	900	1.4 U	1.6 U	1.6 U	1.4 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U
4,4-DDD	72-54-8	2,900	1.1 U	1.2 U	12	16 P	1.2 U	1.1 U	15	1.2 U	19 27 P
Endosulfan Sulfate	1031-07-8	1,000	1.6 U	1.8 U	1.7 U	1.5 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
4,4-DDT	50-29-3	2,100	2.0 U	2.2 U	2.2 U	1.9 U	2.2 U	2.0 U	2.1 U	2.1 U	2.1 U 280
Methoxychlor	72-43-5	10,000	1.3 U	1.5 U	1.5 U	1.3 U	1.5 U	1.3 U	1.4 U	1.4 U	1.4 U 1.5 U
Endrin ketone	53494-70-5	NA	1.4 U	1.5 U	1.5 U	1.4 U	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U
Endrin aldehyde	7421-93-4	NA	1.6 U	1.8 U	1.8 U	1.6 U	1.8 U	1.6 U	1.7 U	1.7 U	1.7 U 1.8 U
alpha-Chlordane	5103-71-9	540	1.6 U	1.8 U	1.7 U	1.5 U	1.7 U	1.6 U	8.9	1.7 U	17 1.7 U
gamma-Chlordane	5103-74-2	540	1.6 U	1.8 U	1.7 U	1.6 U	1.7 U	1.6 U	11	1.7 U	19 P 1.7 U
Toxaphene	8001-35-2	NA	3.2 U	3.6 U	3.5 U	3.1 U	3.5 U	3.2 U	3.4 U	3.4 U	3.4 U 3.5 U
PCBs											
Aroclor-1016	12674-11-2	1,000-surface/ 10,000-subsurface	5.5 U	6.1 U	6.1 U	5.4 U	6.1 U	5.5 U	5.9 U	5.9 U	5.9 U 6.0 U
Aroclor-1221	11104-28-2	1,000-surface/ 10,000-subsurface	3.7 U	4.2 U	4.1 U	3.7 U	4.2 U	3.7 U	4.0 U	4.0 U	4.0 U 4.1 U
Aroclor-1232	11141-16-5	1,000-surface/ 10,000-subsurface	2.5 U	2.8 U	2.8 U	2.5 U	2.8 U	2.5 U	2.7 U	2.7 U	2.7 U 2.8 U
Aroclor-1242	53469-21-9	1,000-surface/ 10,000-subsurface	3.3 U	3.6 U	3.6 U	3.2 U	3.6 U	3.3 U	3.5 U	3.5 U	3.5 U 3.6 U
Aroclor-1248	12672-29-6	1,000-surface/ 10,000-subsurface	3.8 U	4.3 U	4.3 U	3.8 U	4.3 U	3.9 U	4.1 U	4.2 U	4.1 U 4.2 U
Aroclor-1254	11097-69-1	1,000-surface/ 10,000-subsurface	1.4 U	1.6 U	1.6 U	1.4 U	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U 1.6 U
Aroclor-1260	11096-82-5	1,000-surface/ 10,000-subsurface	3.1 U	3.5 U	3.4 U	3.1 U	3.4 U	3.1 U	20	3.4 U	12 J 3.4 U
Qualifiers											
U - The compound was not detected at the indicated concentration											
J - Data indicates the presence of a compound that meets the identifier criteria											
The concentration given is an approximate value.											
B - The analyte was found in the laboratory blank as well as the sample											
P - For dual column analysis, the percent difference between the two columns is greater than 10%											
* - For dual column analysis, the lowest quantitated concentration is used for reporting											
NR - Not analyzed											

**Summary of Ground Water Analytical Results**

Sample ID			HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number	Ambient		S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date	Water Quality		06/17/04	06/17/04	06/17/04	06/16/04
Matrix	Standards		WATER	WATER	WATER	WATER
Dilution Factor	-		1.0	1.0	1.0	1.0
Units	ug/L		ug/L	ug/L	ug/L	ug/L
<b>COMPOUND</b>	<b>CAS #</b>					
<b>Heavy Metals</b>						
Aluminum (Dissolved)	7429-90-5	100	643	1360	180 U	NR
Antimony (Dissolved)	7440-36-0	3	6.600 U	6.600 U	6.600 U	NR
Arsenic (Dissolved)	7440-38-2	25	4.840 U	4.840 U	4.840 U	NR
Barium (Dissolved)	7440-39-3	1,000	83.4 J	130 J	37.8 J	NR
Beryllium (Dissolved)	7440-41-7	3	1.060 U	1.060 U	1.060 U	NR
Cadmium (Dissolved)	7440-43-9	5	0.994 U	0.994 U	0.994 U	NR
Calcium (Dissolved)	7440-70-2	NS	49500	48100	37100	NR
Chromium (Dissolved)	7440-47-3	50	1.900 J	3.480 J	1.220 U	NR
Cobalt (Dissolved)	7440-48-4	-	2.380 U	3.620 J	2.380 U	NR
Copper (Dissolved)	7440-50-8	200	14.7 J	20.9 J	2.120 J	NR
Iron (Dissolved)	7439-89-6	300	1010	3300	916	NR
Lead (Dissolved)	7439-92-1	25	17.4	73.0	3.460 J	NR
Magnesium (Dissolved)	7439-95-4	35,000*	15000	14300	15800	NR
Manganese (Dissolved)	7439-96-5	300	1650	1490	92.0	NR
Nickel (Dissolved)	7440-02-0	100	5.550 U	6.080 J	5.550 U	NR
Potassium (Dissolved)	7440-09-7	NS	6030	4500 J	5360	NR
Selenium (Dissolved)	7782-49-2	10	5.240 U	5.240 U	5.240 U	NR
Silver (Dissolved)	7440-22-4	50	3.380 U	3.380 U	3.380 U	NR
Sodium (Dissolved)	7440-23-5	20,000	31600	32200	37200	NR
Thallium (Dissolved)	7440-28-0	0.5*	5.780 U	5.780 U	5.780 U	NR
Vanadium (Dissolved)	7440-62-2	NS	2.460 J	5.320 J	1.860 U	NR
Zinc (Dissolved)	7440-66-6	2,000*	43.4	54.3	36.8	NR
Mercury (Dissolved)	7439-97-6	0.7	0.03 U	0.04 J	0.03 U	NR
Mercury	7439-97-6	0.7	0.04 J	0.61	0.03 U	NR
Aluminum	7429-90-5	100	1980	6130	180 U	NR
Antimony	7440-36-0	3	6.600 U	6.600 U	6.600 U	NR
Arsenic	7440-38-2	25	4.840 U	4.840 U	4.840 U	NR
Barium	7440-39-3	1,000	84.9 J	167 J	42.6 J	NR
Beryllium	7440-41-7	3	1.060 U	1.060 J	1.060 U	NR
Cadmium	7440-43-9	5	0.994 U	0.994 U	0.994 U	NR
Calcium	7440-70-2	NS	45100	47000	40000	NR
Chromium	7440-47-3	50	4.900 J	13.3	1.220 U	NR
Cobalt	7440-48-4	NS	2.460 J	5.670 J	2.380 U	NR
Copper	7440-50-8	200	16.0 J	35.5	2.280 J	NR
Iron	7439-89-6	300	3020	10100	1150	NR
Lead	7439-92-1	25	17.5	95.2	6.540	NR
Magnesium	7439-95-4	35,000*	14200	15100	17200	NR
Manganese	7439-96-5	300	1530	1470	100	NR
Nickel	7440-02-0	100	6.280 J	12.4 J	5.550 U	NR
Potassium	7440-09-7	NS	5980	4840 J	5920	NR
Selenium	7782-49-2	10	5.240 U	5.240 U	5.240 U	NR
Silver	7440-22-4	50	3.380 U	3.380 U	3.380 U	NR
Sodium	7440-23-5	20,000	28800	32700	41000	NR
Thallium	7440-28-0	0.5*	5.780 U	5.780 U	5.780 U	NR
Vanadium	7440-62-2	NS	5.900 J	14.5 J	1.860 U	NR
Zinc	7440-66-6	2,000*	43.3	79.2	25.5	NR

## Summary of Ground Water Analytical Results

Sample ID			HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number	Ambient		S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date	Water Quality		06/17/04	06/17/04	06/17/04	06/16/04
Matrix	Standards		WATER	WATER	WATER	WATER
Dilution Factor	-		1.0	1.0	1.0	1.0
Units	ug/L		ug/L	ug/L	ug/L	ug/L
<b>COMPOUND</b>	<b>CAS #</b>					
<b>PCBs and Pesticides</b>						
Aroclor-1016	12674-11-2	<0.1**	0.130 U	0.130 U	0.130 U	NR
Aroclor-1221	11104-28-2	<0.1**	0.050 U	0.050 U	0.050 U	NR
Aroclor-1232	11141-16-5	<0.1**	0.050 U	0.050 U	0.050 U	NR
Aroclor-1242	53469-21-9	<0.1**	0.140 U	0.140 U	0.140 U	NR
Aroclor-1248	12672-29-6	<0.1**	0.060 U	0.060 U	0.060 U	NR
Aroclor-1254	11097-69-1	<0.1**	0.030 U	0.030 U	0.030 U	NR
Aroclor-1260	11096-82-5	<0.1**	0.0630 U	0.0620 U	0.0620 U	NR
alpha-BHC	319-84-6	ND	0.02 U	0.02 U	0.02 U	NR
beta-BHC	319-85-7	ND	0.11 U	0.11 U	0.11 U	NR
delta-BHC	319-86-8	ND	0.02 U	0.02 U	0.02 U	NR
gamma-BHC	58-89-9	ND	0.03 U	0.03 U	0.03 U	NR
Heptachlor	76-44-8	ND	0.04 U	0.04 U	0.04 U	NR
Aldrin	309-00-2	ND	0.03 U	0.03 U	0.03 U	NR
Heptachlor epoxide	1024-57-3	ND	0.03 U	0.03 U	0.03 U	NR
Endosulfan I	959-98-8	0.1	0.04 U	0.04 U	0.04 U	NR
Dieldrin	60-57-1	ND	0.04 U	0.04 U	0.04 U	NR
4,4-DDE	72-55-9	ND	0.04 U	0.04 U	0.04 U	NR
Endrin	72-20-8	ND	0.05 U	0.05 U	0.05 U	NR
Endosulfan II	33213-65-9	0.1	0.02 U	0.02 U	0.02 U	NR
4,4-DDD	72-54-8	ND	0.03 U	0.03 U	0.03 U	NR
Endosulfan Sulfate	1031-07-8	0.1	0.04 U	0.04 U	0.04 U	NR
4,4-DDT	50-29-3	ND	0.06 U	0.06 U	0.06 U	NR
Methoxychlor	72-43-5	35	0.04 U	0.04 U	0.04 U	NR
Endrin ketone	53494-70-5	N/A	0.03 U	0.03 U	0.03 U	NR
Endrin aldehyde	7421-93-4	5***	0.04 U	0.04 U	0.04 U	NR
alpha-Chlordane	5103-71-9	NS	0.04 U	0.04 U	0.04 U	NR
gamma-Chlordane	5103-74-2	0.1	0.04 U	0.04 U	0.04 U	NR
Toxaphene	8001-35-2	0.06	0.11 U	0.11 U	0.11 U	NR
Chlordane	57-74-9	0.1	0.01 U	0.01 U	0.01 U	NR

## Summary of Ground Water Analytical Results

Sample ID			HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number		Ambient	S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date		Water Quality	06/17/04	06/17/04	06/17/04	06/16/04
Matrix		Standards	WATER	WATER	WATER	WATER
Dilution Factor		-	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L
<b>COMPOUND</b>	<b>CAS #</b>					
<b>Base Neutral Organics (SVOCs)</b>						
Benzaldehyde	100-52-7	NS	1.7 U	1.7 U	1.7 U	NR
Phenol	108-95-2	1	0.430 U	0.430 U	0.430 U	NR
bis(2-Chloroethyl)ether	111-44-4	1	0.330 U	0.330 U	0.330 U	NR
2-Chlorophenol	95-57-8	50	0.730 U	0.730 U	0.730 U	NR
2-Methylphenol	95-48-7	5	1.1 U	1.1 U	1.1 U	NR
2,2-oxybis(1-Chloropropane)	108-60-1	NS	0.840 U	0.840 U	0.830 U	NR
Acetophenone	98-86-2	NS	0.560 U	0.560 U	0.550 U	NR
3+4-Methylphenols	106-44-5	NS	1.1 U	1.1 U	1.1 U	NR
N-Nitroso-di-n-propylamine	621-64-7	NS	0.770 U	0.770 U	0.770 U	NR
Hexachloroethane	67-72-1	5***	0.920 U	0.920 U	0.910 U	NR
Nitrobenzene	98-95-3	0.4	0.380 U	0.380 U	0.380 U	NR
Isophorone	78-59-1	50	0.480 U	0.480 U	0.480 U	NR
2-Nitrophenol	88-75-5	5	0.270 U	0.270 U	0.270 U	NR
2,4-Dimethylphenol	105-67-9	5***	0.470 U	0.470 U	0.460 U	NR
bis(2-Chloroethoxy)methane	111-91-1	5***	0.450 U	0.450 U	0.440 U	NR
2,4-Dichlorophenol	120-83-2	1	0.290 U	0.290 U	0.290 U	NR
Naphthalene	91-20-3	10	1.2 J	0.270 U	0.270 U	NR
4-Chloroaniline	106-47-8	0.4	4.1 U	4.1 U	4.1 U	NR
Hexachlorobutadiene	87-68-3	0.5	0.380 U	0.380 U	0.380 U	NR
Caprolactam	105-60-2	NS	0.510 U	0.510 U	0.510 U	NR
4-Chloro-3-methylphenol	59-50-7	5	0.300 U	0.300 U	0.300 U	NR
2-Methylnaphthalene	91-57-6	50	13	2.3 J	0.500 U	NR
Hexachlorocyclopentadiene	77-47-4	5	0.460 U	0.460 U	0.450 U	NR
2,4,6-Trichlorophenol	88-06-2	NS	0.290 U	0.290 U	0.280 U	NR
2,4,5-Trichlorophenol	95-95-4	1	0.590 U	0.590 U	0.580 U	NR
1,1-Biphenyl	92-52-4	NS	0.270 U	0.270 U	0.270 U	NR
2-Chloronaphthalene	91-58-7	10	0.390 U	0.390 U	0.390 U	NR
2-Nitroaniline	88-74-4	5	0.300 U	0.300 U	0.300 U	NR
Dimethylphthalate	131-11-3	50	0.260 U	0.260 U	0.260 U	NR
Acenaphthylene	208-96-8	20	0.440 U	0.440 U	0.430 U	NR
2,6-Dinitrotoluene	606-20-2	5	0.420 U	0.420 U	0.410 U	NR
3-Nitroaniline	99-09-2	5	1.1 U	1.1 U	1.0 U	NR
Acenaphthene	83-32-9	20	2.8 J	1.7 J	1.1 J	NR
2,4-Dinitrophenol	51-28-5	5	0.190 U	0.190 U	0.190 U	NR
4-Nitrophenol	100-02-7	5	0.950 U	0.950 U	0.940 U	NR
Dibenzofuran	132-64-9	5	0.320 U	0.320 U	0.310 U	NR
2,4-Dinitrotoluene	121-14-2	5	0.340 U	0.340 U	0.340 U	NR
Diethylphthalate	84-66-2	50	0.340 U	0.340 U	0.340 U	NR
4-Chlorophenyl-phenylether	7005-72-3	NS	0.370 U	0.370 U	0.360 U	NR
Fluorene	86-73-7	50	0.170 U	0.170 U	0.170 U	NR
4-Nitroaniline	100-01-6	5	0.840 U	0.840 U	0.830 U	NR
4,6-Dinitro-2-methylphenol	534-52-1	NS	1.5 U	1.5 U	1.4 U	NR
N-Nitrosodiphenylamine	86-30-6	50	0.280 U	0.280 U	0.280 U	NR
4-Bromophenyl-phenylether	101-55-3	NS	0.170 U	0.170 U	0.170 U	NR
Hexachlorobenzene	118-74-1	0.35	0.230 U	0.230 U	0.230 U	NR
Atrazine	1912-24-9	7.5	0.480 U	0.480 U	0.480 U	NR

## Summary of Ground Water Analytical Results

Sample ID			HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number	Ambient		S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date	Water Quality		06/17/04	06/17/04	06/17/04	06/16/04
Matrix	Standards		WATER	WATER	WATER	WATER
Dilution Factor	-		1.0	1.0	1.0	1.0
Units	ug/L		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #					
Pentachlorophenol	87-86-5	1	0.390 U	0.390 U	0.390 U	NR
Phenanthrene	85-01-8	50	0.280 U	0.280 U	0.270 U	NR
Anthracene	120-12-7	50	0.160 U	0.160 U	0.160 U	NR
Carbazole	86-74-8	NS	0.310 U	0.310 U	0.310 U	NR
Di-n-butylphthalate	84-74-2	NS	0.099 U	0.099 U	0.098 U	NR
Fluoranthene	206-44-0	50	0.210 U	0.210 U	0.210 U	NR
Pyrene	129-00-0	50	0.250 U	0.250 U	0.250 U	NR
Butylbenzylphthalate	85-68-7	50	0.300 U	0.300 U	0.300 U	NR
3,3-Dichlorobenzidine	91-94-1	NS	1.6 U	1.6 U	1.6 U	NR
Benzo(a)anthracene	56-55-3	0.002	0.230 U	0.230 U	0.220 U	NR
Chrysene	218-01-9	0.002	0.390 U	0.390 U	0.380 U	NR
bis(2-Ethylhexyl)phthalate	117-81-7	50	3.4 J	4.0 J	3.7 J	NR
Di-n-octyl phthalate	117-84-0	50	0.170 U	0.170 U	0.170 U	NR
Benzo(b)fluoranthene	205-99-2	0.002	0.230 U	0.230 U	0.230 U	NR
Benzo(k)fluoranthene	207-08-9	0.002	0.390 U	0.390 U	0.380 U	NR
Benzo(a)pyrene	50-32-8	0.002	0.450 U	0.450 U	0.450 U	NR
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	0.290 U	0.290 U	0.290 U	NR
Dibenz(a,h)anthracene	53-70-3	50	0.290 U	0.290 U	0.290 U	NR
Benzo(g,h,i)perylene	191-24-2	5	0.430 U	0.430 U	0.420 U	NR
Total Confident Conc. SVOC			20.4	8	4.8	NR
Total TICs			151.2	93.1	54	NR

## Summary of Ground Water Analytical Results

Sample ID			HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number		Ambient	S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date		Water Quality	06/17/04	06/17/04	06/17/04	06/16/04
Matrix		Standards	WATER	WATER	WATER	WATER
Dilution Factor		-	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #					
<b>VOCs</b>						
Dichlorodifluoromethane	75-71-8	5	0.33 U	0.33 U	0.33 U	0.33 U
Chloromethane	74-87-3	NS	0.68 U	0.68 U	0.68 U	0.68 U
Vinyl Chloride	75-01-4	2	0.27 U	0.27 U	0.27 U	0.27 U
Bromomethane	74-83-9	5	0.78 U	0.78 U	0.78 U	0.78 U
Chloroethane	75-00-3	50	0.88 U	0.88 U	0.88 U	0.88 U
Trichlorofluoromethane	75-69-4	5	0.58 U	0.58 U	0.58 U	0.58 U
1,1,2-Trichlorotrifluoroethane	76-13-1	NS	0.69 U	0.69 U	0.69 U	0.69 U
1,1-Dichloroethene	75-35-4	5	0.32 U	0.32 U	0.32 U	0.32 U
Acetone	67-64-1	50	3.3 U	3.3 U	3.3 U	3.3 U
Carbon Disulfide	75-15-0	50	0.39 U	0.39 U	0.39 U	0.39 U
Methyl tert-butyl Ether	1634-04-4	NS	0.36 U	0.36 U	0.36 U	0.36 U
Methyl Acetate	79-20-9	NS	0.83 U	0.83 U	0.83 U	0.83 U
Methylene Chloride	75-09-2	5	0.62 U	0.62 U	0.62 U	0.62 U
trans-1,2-Dichloroethene	156-60-5	5	0.51 U	0.51 U	0.51 U	0.51 U
1,1-Dichloroethane	75-34-3	5	0.22 U	0.22 U	0.22 U	0.22 U
Cyclohexane	110-82-7	NS	0.37 U	0.37 U	0.37 U	0.37 U
2-Butanone	78-93-3	50	2.8 U	2.8 U	2.8 U	2.8 U
Carbon Tetrachloride	56-23-5	5	0.47 U	0.47 U	0.47 U	0.47 U
cis-1,2-Dichloroethene	156-59-2	5	0.77 U	0.77 U	0.77 U	0.77 U
Chloroform	67-66-3	7	0.58 U	0.58 U	6.0	0.58 U
1,1,1-Trichloroethane	71-55-6	5	0.41 U	0.41 U	0.41 U	0.41 U
Methylcyclohexane	108-87-2	NS	0.58 U	0.58 U	0.58 U	0.58 U
Benzene	71-43-2	0.7	0.24 U	0.24 U	0.24 U	0.24 U
1,2-Dichloroethane	107-06-2	5	0.32 U	0.32 U	0.32 U	0.32 U
Trichloroethene	79-01-6	5	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dichloropropane	78-87-5	1	0.63 U	0.63 U	0.63 U	0.63 U
Bromodichloromethane	75-27-4	50	0.35 U	0.35 U	0.35 U	0.35 U
4-Methyl-2-Pentanone	108-10-1	50	1.3 U	1.3 U	1.3 U	1.3 U
Toluene	108-88-3	5	0.39 U	0.39 U	0.39 U	0.39 U
t-1,3-Dichloropropene	10061-02-6	NS	0.42 U	0.42 U	0.42 U	0.42 U
cis-1,3-Dichloropropene	10061-01-5	NS	0.15 U	0.15 U	0.15 U	0.15 U
1,1,2-Trichloroethane	79-00-5	1	0.52 U	0.52 U	0.52 U	0.52 U
2-Hexanone	591-78-6	50	0.66 U	0.66 U	0.66 U	0.66 U
Dibromochloromethane	124-48-1	50	0.38 U	0.38 U	0.38 U	0.38 U
1,2-Dibromoethane	106-93-4	NS	0.63 U	0.63 U	0.63 U	0.63 U
Tetrachloroethene	127-18-4	5	0.33 U	0.33 U	0.33 U	0.33 U
Chlorobenzene	108-90-7	5	0.37 U	0.37 U	0.37 U	0.37 U
Ethyl Benzene	100-41-4	5	0.41 U	0.41 U	0.41 U	0.41 U
m/p-Xylenes	136777-61-2	NS	0.96 U	0.96 U	0.96 U	0.96 U
o-Xylene	95-47-6	NS	0.37 U	0.37 U	0.37 U	0.37 U
Styrene	100-42-5	5	0.34 U	0.34 U	0.34 U	0.34 U
Bromoform	75-25-2	50	0.25 U	0.25 U	0.25 U	0.25 U
Isopropylbenzene	98-82-8	5	0.33 U	0.33 U	0.33 U	0.33 U
1,1,2,2-Tetrachloroethane	79-34-5	5	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	541-73-1	5	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dichlorobenzene	106-46-7	5	0.39 U	0.39 U	0.39 U	0.39 U

## Summary of Ground Water Analytical Results

Sample ID		HHMW-1	HHMW-2	HHMW-3	HHTB
Lab Sample Number	Ambient	S3116-05	S3116-06	S3116-07	S3116-04
Sampling Date	Water Quality	06/17/04	06/17/04	06/17/04	06/16/04
Matrix	Standards	WATER	WATER	WATER	WATER
Dilution Factor	-	1.0	1.0	1.0	1.0
Units	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,2-Dichlorobenzene	95-50-1	4.7	0.37 U	0.37 U	0.37 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.04	0.94 U	0.94 U	0.94 U
1,2,4-Trichlorobenzene	120-82-1	5	0.29 U	0.29 U	0.29 U
Total Confident Conc. VOC			0	0	6
Total TICs			18	107.4	9.5

ND = Non-detectable

N/A = Not applicable / Not Available

NS = No Standard

NR = Not analyzed

\* Guidance Value

\*\* Total PCBs must not exceed 0.1 ug/L

\*\*\* The principal organic contaminant standard for ground water of 5 ug/L applies to this substance

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than the concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.



**TABLE 6:**  
**Summary of Inorganic Analytical Results**  
**(Supplemental Phase II)**

Sample ID	HH9-7	HH9-23	HH9-33	HH9-48	HH10-7	HH10-17	HH10-33	HH10-63	HH11-16		
Lab Sample Number	S4277-01	S4277-02	S4277-03	S4277-04	S4321-01	S4321-02	S4321-03	S4321-04	S4390-01		
Sampling Date	8/19/2004	8/19/2004	8/19/2004	8/19/2004	8/23/2004	8/23/2004	8/23/2004	8/23/2004	8/24/2004		
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		
NYSDEC											
COMPOUND	CAS #	TAGM SCOs or NYS Background									
Cyanide		NA	0.568 U	0.647 U	0.624 U	0.652 U	0.569 U	0.562 U	0.511 U	0.566 U	0.546 U
Mercury	7439-97-6	0.001-0.2	0.04	0.01 U	0.01 U	0.01 U	0.07 U	0.01 U	0.01 U	3.01 U	0.02
Aluminum	7429-90-5	33,000	11,700	4,330	8,300	14,300	5,550	4,440	7,160	3,370	2,690
Antimony	7440-36-0	SB	0.639 U N	0.728 U N	0.689 U N	0.727 U N	0.641 U N	0.633 U N	0.576 U N	0.637 U N	0.615 U N
Arsenic	7440-38-2	7.5 OR SB	2.71	0.495 J	2.33	1.72	1.71	0.649 J	0.242 U	0.268 U	0.259 U
Barium	7440-39-3	15-600	129	174	123	123	39.6	55.8	56.7	29.2	20.9 J
Beryllium	7440-41-7	0.16 or SB	0.666	0.567 J	0.723	0.991	0.495 J N	0.513 J N	0.459 J N	0.338 J N	0.699 N
Cadmium	7440-43-9	1 or SB	0.639	0.06 U	0.323 J	0.961	0.192 J	0.052 U	0.306 J N	0.097 J	0.118 J
Calcium	7440-70-2	SB	3,470	11,700 N	20,100 N	26,400 N	18,000	1,400	30,400	21,100	1,350 N
Chromium	7440-47-3	10 or SB	26.7	9.96	15.7	30.4	21.2	9.59	13.3	7.1	7.66
Cobalt	7440-48-4	30 or SB	11.6	4.37 J	8.05	13.9	4.74 J N	5.1 J N	6.49	4.12 J N	2.99 J
Copper	7440-50-8	25 or SB	24.5	7.93	18.2	27.3	22.5	8.99	19.2	10.0	12.2
Iron	7439-89-6	2,000-550,000	17,700	7,640	13,200	20,900	8,690	8,280	9,010	5,220	4,130
Lead	7439-92-1	200-500	59.1	7.15	12.0	15.5	62.1	6.03	6.08	3.47	5.89
Magnesium	7439-95-4	100-5,000 or SB	3,910	4,530	7,950	17,200	8,010	1,780	17,900	11,400	1,270
Manganese	7439-96-5	50-5,000	1670	398	403	510	244	258	200	113	98.7
Nickel	7440-02-0	0.5-25	28.7	9.55	17.7	27.6	9.97	8.83	12.1	7.62	6.46
Potassium	7440-09-7	8,500-43,000	1290	2,100	3,480	6,730	743	1,370	3,500	1,310	578 N
Selenium	7782-49-2	2 or SB	0.355 U	0.405 U	0.383 U	0.404 U	0.946 J N	0.987 J N	0.81 J N	1.18 N	0.764 J N
Silver	7440-22-4	SB	0.119 U	0.136 U	0.129 U	0.136 U	0.12 U	0.118 U	0.107 U	0.119 U	0.115 U
Sodium	7440-23-5	6,000-8,000 or SB	108 J N	242 J N	276 J N	370	362 J	87.7 J	379 J	213 J	147 J
Thallium	7440-28-0	SB	0.375 U	0.427 U	0.404 U	0.426 U	0.376 U	0.371 U	0.337 U	0.373 U	0.36 U
Vanadium	7440-62-2	150 or SB	35.9	13.6	20.1	38.7	22.3 N	14.6 N	19.5 N	9.51 N	9.36 N
Zinc	7440-66-6	20 or SB/9-50	45.0	18.6	42.3	84.8	41.0 N	18.3 N	37.8 N	18.4 N	22.1 N
Qualifiers											
U - The compound was not detected at the indicated concentration.											
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero.											
The concentration given is an approximate value.											
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.											
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.											
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.											
NR - Not analyzed											

**TABLE 6:  
Summary of Inorganic Analytical Results  
(Supplemental Phase II)**

Sample ID	HH12-18	HH13-5	HH13-18	HH14-20	HH15-18	HH16-18	HH17-20	HH18-22		
Lab Sample Number	S4390-2	S4390-3	S4390-4	S4390-5	S4390-6	S4390-7	S4404-01	S4404-02		
Sampling Date	8/24/2004	8/25/2004	8/25/2004	8/24/2004	8/24/2004	8/25/2004	8/26/2004	8/26/2004		
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg		
<b>NYSDEC</b>										
<b>COMPOUND</b>	<b>CAS #</b>	<b>TAGM SCOs or NYS Background</b>								
Cyanide		NA	0.653 U	0.587 U	0.609 U	0.654 U	0.559 U	0.637 U	0.623 U	0.590 U
Mercury	7439-97-6	0.001-0.2	0.01 U	0.02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Aluminum	7429-90-5	33,000	4,730	3,570	1,990	5,250	2,670	6,530	5,780	6,070
Antimony	7440-36-0	SB	0.735	0.661 U N	0.686 U N	0.737 U N	0.629 U N	0.717 U N	0.702 U	0.665 U
Arsenic	7440-38-2	7.5 OR SB	0.309	0.278 U N	0.289 U	0.645 J	0.265 U	0.302 U	2.21	1.08 J
Barium	7440-39-3	15-600	56.8	103	13.3 J	78.7	27.5	54.2	73.8	35.5
Beryllium	7440-41-7	0.16 or SB	0.306	0.228 J N	0.078 J N	0.372 J N	0.172 J N	0.376 J N	0.352 J	0.334 J
Cadmium	7440-43-9	1 or SB	0.539	0.356 J N	0.056 U	0.548 J	0.051 U	0.378 U	0.057 U	0.054 U
Calcium	7440-70-2	SB	15,500	12,700 N	950 N	2,300 N	663 N	1,810 N	2,070	18,600
Chromium	7440-47-3	10 or SB	14.7	12.8	6.99	12.1	10.3	14.2	11.6	12.0
Cobalt	7440-48-4	30 or SB	6.04	3.74	1.62 J	6.59	3.41 J	6.85	6.52	6.7
Copper	7440-50-8	25 or SB	15.5	13.2	6.11	14.2	9.97	13.8	9.89	14.6
Iron	7439-89-6	2,000-550,000	8,710	5,200	3,110	10,000	4,980	10,900	11,700	11,100
Lead	7439-92-1	200-500	6.79	131	2.3	7.28	3.07	7.49	5.2	5.73
Magnesium	7439-95-4	100-5,000 or SB	5,720	1,530	979	2,380	1,230	2,370	2,510	7,870
Manganese	7439-96-5	50-5,000	298	298	26.6	369	68.6	358	540	341
Nickel	7440-02-0	0.5-25	20.9	7.29	4.62 J	19.1	7.64	12.5	13.7	14.6
Potassium	7440-09-7	8,500-43,000	1,890	683 N	345 J N	1,720 N	429 J N	1,880 N	1,530	2,220
Selenium	7782-49-2	2 or SB	0.531	0.367 U N	0.381 U N	0.887 J N	419 J N	0.445 J N	1.54	0.944 J
Silver	7440-22-4	SB	0.137	0.123 U	0.128 U	0.315 J	0.117 U	0.134 U	0.131 U	0.124 U
Sodium	7440-23-5	6,000-8,000 or SB	208	106 J	46.6 J	212 J	43.4 J	130 J	235 J	273 J
Thallium	7440-28-0	SB	0.431	0.387 U	0.402 U	0.432 U	0.369 U	0.42 U	0.814 J	0.39 U
Vanadium	7440-62-2	150 or SB	14.2	12.4 N	4.69 J N	18.0 N	8.08 N	19.6 N	18.6	16.1
Zinc	7440-66-6	20 or SB/9-50	27.8	117 N	13.2 N	30.0 N	15.8 N	32.8 N	19.4	29.6
Qualifiers										
U - The compound was not detected at the indi										
J - Data indicates the presence of a compound										
The concentration given is an approximate v										
B - The analyte was found in the laboratory bla										
P - For dual column analysis, the percent differ										
* - For dual column analysis, the lowest quantit										
NR - Not analyzed										

**TABLE 7:**  
**Summary of Volatile Organic Soil Analytical Results**  
**(Supplemental Phase II)**

Sample ID			HH9-7	HH9-23	HH9-33	HH9-48	HH10-7	HH10-17
Lab Sample Number			S4277-01	S4277-02	S4277-03	S4277-04	S4321-01	S4321-02
Sampling Date			8/19/2004	8/19/2004	8/19/2004	8/19/2004	8/23/2004	8/23/2004
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			1.0	1.0	1.0	1.0	1.0	1.0
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #	NYSDEC TAGM SCOs						
Vinyl Chloride	75-01-4	200	0.27 U	0.31 U	0.29 U	0.31 U	0.27 U	0.26 U
Chloroethane	75-00-3	1,900	0.6 U	0.68 U	0.66 U	0.68 U	0.6 U	0.59 U
1,1,2-Trichlorofluoroethane	76-15-1							
1,1-Dichloroethene	75-35-4	400	0.24 U	0.28 U	0.27 U	0.28 U	0.24 U	0.24 U
Acetone	67-64-1	200	8.5 U	9.7 U	9.3 U	9.7 U	41	8.4 U
Carbon Disulfide	75-15-0	2,700	0.11 U	0.13 U	0.13 U	0.13 U	2.5 J	0.11 U
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)	0.26 U	0.3 U	0.29 U	0.3 U		U
Methylene Chloride	75-09-2	100	0.77 U	0.88 UB	0.85 UB	2.6 JB	2.3 JB	0.76 U
trans-1,2-Dichloroethene	156-60-5	300	0.42 U	0.48 U	0.46 U	0.48 U	0.42 U	0.42 U
1,1-Dichloroethane	75-34-3	200	0.4 U	0.46 U	0.44 U	0.44 U	0.4 U	0.4 U
2-Butanone	78-93-3	300	2.6 U	3.0 U	2.8 U	3.0 U	2.6 U	2.6 U
Carbon Tetrachloride	56-23-5	600	0.34 U	0.39 U	0.37 U	0.39 U	0.34 U	0.33 U
Chloroform	67-66-3	300	0.27 U	0.31 U	0.3 U	0.31 U	0.27 U	0.27 U
1,1,1-Trichloroethane	71-55-6	800	0.31 U	0.35 U	0.34 U	0.35 U	0.31 U	0.3 U
Benzene	71-43-2	60	0.23 U	0.26 U	0.25 U	0.26 U	0.23 U	0.23 U
1,2-Dichloroethane	107-06-2	100	3.5 U	4.0 U	3.8 U	4.0 U	3.5 U	3.5 U
Trichloroethene	79-01-6	700	0.36 U	0.42 U	0.4 U	0.42 U	0.36 U	0.36 U
4-Methyl-2-Pentanone	108-10-1	1,000	2.7 U	3.1 U	3.3 U	3.1 U	2.7 U	2.7 U
Toluene	108-88-3	1,500	0.29 U	0.34 U	0.32 U	0.34 U	0.29 U	0.29 U
1,3-Dichloropropane	142-28-9	300	0.52 U	0.6 U	0.57 U	0.6 U	0.52 U	0.52 U
Dibromochloromethane	124-48-1	NA	0.33 U	0.38 U	0.36 U	0.38 U	0.33 U	0.33 U
Tetrachloroethene	127-18-4	1,400	0.72 U	0.82 U	0.79 U	0.82 U	0.72 U	0.71 U
Chlorobenzene	108-90-7	1,700	0.4 U	0.46 U	0.44 U	0.46 U	0.4 U	0.4 U
Ethyl Benzene	100-41-4	5,500	0.28 U	0.32 U	0.31 U	0.32 U	0.28 U	0.28 U
m/p-Xylenes	136777-61-2	1,200	0.58 U	0.67 U	0.64 U	0.67 U	0.58 U	0.58 U
o-Xylene	95-47-6	1,200	0.49 U	0.56 U	0.54 U	0.56 U	0.49 U	0.49 U
1,1,2,2-Tetrachloroethane	79-34-5	600	0.6 U	0.69 U	0.66 U	0.69 U	0.6 U	0.59 U
1,2,3-Trichloropropane	96-18-4	400	0.46 U	0.53 U	0.51 U	0.53 U	0.46 U	0.46 U
n-propylbenzene	103-61-5	100 (STARS)	0.47 U	0.54 U	0.52 U	0.54 U	NR	NR
1,3-Dichlorobenzene	541-73-1	1,600	0.24 U	0.27 U	0.26 U	0.27 U	0.24 U	0.24 U
1,4-Dichlorobenzene	106-46-7	8,500	0.4 U	0.46 U	0.44 U	0.46 U	0.4 U	0.39 U
1,2-Dichlorobenzene	95-50-1	7,900	0.46 U	0.53 U	0.51 U	0.53 U	0.46 U	0.46 U
1,2-Dibromo-3-Chloropropane	96-12-8	NA	0.75 U	0.88 U	3.4 J	0.88 J	NR	NR
1,2,4-Trichlorobenzene	120-82-1	3,400	0.28 U	0.32 U	0.31 U	0.32 U	0.28 U	0.28 U
Total Xylenes								
Naphthalene	91-20-3	13,000	0.34 U	0.39 U	0.37 U	0.39 U	U	U

Total Confident Conc. VOC

0 0 0 0 41 0

Qualifiers

U - The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

\* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

NR - Not analyzed

**TABLE 7:  
Summary of Volatile Organic Soil Analytical Results  
(Supplemental Phase II)**

Sample ID			HH10-33	HH10-63	HH11-16	HH12-18	HH13-5	HH13-18
Lab Sample Number			S4321-03	S4321-04	S4390-01	S4390-2	S4390-3	S4390-4
Sampling Date			8/23/2004	8/23/2004	8/24/2004	#####	#####	#####
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			1.0	1.0	1.0	1.0	1.0	1.0
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #	NYSDEC TAGM SCOs						
Vinyl Chloride	75-01-4	200	0.24 U	0.27 U	0.26 U	0.31 U	0.28 U	0.29 U
Chloroethane	75-00-3	1,900	0.54 U	0.6 U	0.57 U	0.68 U	0.62 U	0.64 U
1,1,2-Trichlorofluoroethane	76-15-1				0.5 U	0.6 U	0.54 U	0.56 U
1,1-Dichloroethene	75-35-4	400	0.22 U	0.24 U	0.23 U	0.28 U	0.25 U	0.26 U
Acetone	67-64-1	200	7.6 U	8.5 U	8.1 U	9.7 U	8.8 U	27 J
Carbon Disulfide	75-15-0	2,700	0.1 U	0.11 U	0.11 U	0.13 U	0.12 U	0.12 U
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)	U	U	nr U	NR U	NR U	NR U
Methylene Chloride	75-09-2	100	0.69 U	2.4 J	3.6 J	16	3.5 J	3.7 J
trans-1,2-Dichloroethene	156-60-5	300	0.38 U	0.42 U	0.4 U	0.48 U	0.44 U	0.45 U
1,1-Dichloroethane	75-34-3	200	0.36 U	0.4 U	0.38 U	0.46 U	0.42 U	0.43 U
2-Butanone	78-93-3	300	2.3 U	2.6 U	2.5 U	3.0 U	2.7 U	2.8 U
Carbon Tetrachloride	56-23-5	600	0.3 U	0.34 U	0.32 U	0.36 U	0.35 U	0.36 U
Chloroform	67-66-3	300	0.24 U	0.27 U	0.26 U	0.31 U	0.28 U	0.29 U
1,1,1-Trichloroethane	71-55-6	800	0.28 U	0.31 U	0.29 U	0.35 U	0.32 U	0.33 U
Benzene	71-43-2	60	0.21 U	0.23 U	0.22 U	0.26 U	0.24 U	0.25 U
1,2-Dichloroethane	107-06-2	100	3.1 U	3.5 U	3.3 U	4.0 U	3.6 U	3.8 U
Trichloroethene	79-01-6	700	0.33 U	0.36 U	0.35 U	0.42 U	0.38 U	0.39 U
4-Methyl-2-Pentanone	108-10-1	1,000	2.5 U	2.7 U	2.6 U	3.1 U	2.8 U	2.9 U
Toluene	108-88-3	1,500	0.26 U	0.29 U	0.28 U	0.34 U	0.3 U	0.32 U
1,3-Dichloropropane	142-28-9	300	0.47 U	0.52 U	0.5 U	0.6 U	0.54 U	0.56 U
Dibromochloromethane	124-48-1	NA	0.3 U	0.33 U	0.32 U	0.38 U	0.34 U	0.35 U
Tetrachloroethene	127-18-4	1,400	0.65 U	0.72 U	0.69 U	0.82 U	0.75 U	0.77 U
Chlorobenzene	108-90-7	1,700	0.36 U	0.4 U	0.38 U	0.46 U	0.41 U	0.43 U
Ethyl Benzene	100-41-4	5,500	0.25 U	0.28 U	0.27 U	0.32 U	0.29 U	0.3 U
m/p-Xylenes	136777-61-2	1,200	0.52 U	0.58 U	0.56 U	0.67 U	0.6 U	0.63 U
o-Xylene	95-47-6	1,200	0.44 U	0.49 U	0.47 U	0.56 U	0.51 U	0.53 U
1,1,2,2-Tetrachloroethane	79-34-5	600	0.54 U	0.6 U	0.57 U	0.69 U	0.62 U	0.65 U
1,2,3-Trichloropropane	96-18-4	400	0.42 U	0.46 U	0.44 U	0.53 U	0.48 U	0.5 U
n-propylbenzene	103-61-5	100 (STARS)	NR	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	1,600	0.22 U	0.24 U	0.23 U	0.27 U	0.25 U	0.26 U
1,4-Dichlorobenzene	106-46-7	8,500	0.36 U	0.4 U	0.38 U	0.46 U	0.41 U	0.43 U
1,2-Dichlorobenzene	95-50-1	7,900	0.42 U	0.46 U	0.44 U	0.53 U	0.48 U	0.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	NA	NR	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	3,400	0.26 U	0.28 U	0.27 U	0.32 U	0.29 U	0.3 U
Total Xylenes					1 U	1.2 U	1.1 U	1.2 U
Naphthalene	91-20-3	13,000	U	U	NR	NR	NR	NR
Total Confident Conc. VOC			0	0	0	16	0	0
Qualifiers								
U -	The compound was not detected at the indicated concentration.							
J -	Data indicates the presence of a compound that meets the identifi The concentration given is an approximate value.							
B -	The analyte was found in the laboratory blank as well as the sampl							
P -	For dual column analysis, the percent difference between the quan							
* -	For dual column analysis, the lowest quantitated concentration is t							
NR -	Not analyzed							

**TABLE 7:**  
**Summary of Volatile Organic Soil Analytical Results**  
**(Supplemental Phase II)**

Sample ID			HH14-20	HH15-18	HH16-18	HH17-20	HH18-22
Lab Sample Number			S4390-5	S4390-6	S4390-7	S4404-01	S4404-02
Sampling Date			#####	#####	#####	8/26/2004	8/26/2004
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			1.0	1.0	1.0	1.0	1.0
Units	NYSDEC		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #	TAGM SCOs					
Vinyl Chloride	75-01-4	200	0.31 U	0.26 U	0.3 U	0.29 U	0.28 U
Chloroethane	75-00-3	1,900	0.69 U	0.58 U	0.67 U	0.66 U	0.62 U
1,1,2-Trichlorofluoroethane	76-15-1		0.6 U	0.51 U	0.59 U	0.57 U	0.54 U
1,1-Dichloroethene	75-35-4	400	0.28 U	0.24 U	0.28 U	0.27 U	0.25 U
Acetone	67-64-1	200	9.8 U	8.3 U	9.6 U	9.3 U	8.8 U
Carbon Disulfide	75-15-0	2,700	0.13 U	0.11 U	0.13 U	0.13 U	0.12 U
Methyl tert-butyl Ether	1634-04-4	1,000 (STARS)	NR U	NR U	NR U	NR U	NR U
Methylene Chloride	75-09-2	100	3.8 J	4.5 J	6.7	8.2	7.8
trans-1,2-Dichloroethene	156-60-5	300	0.49 U	0.41 U	0.48 U	0.46 U	0.44 U
1,1-Dichloroethane	75-34-3	200	0.46 U	0.39 U	0.45 U	0.44 U	0.42 U
2-Butanone	78-93-3	300	3.0 U	2.5 U	2.9 U	2.8 U	2.7 U
Carbon Tetrachloride	56-23-5	600	0.39 U	0.33 U	0.38 U	0.37 U	0.35 U
Chloroform	67-66-3	300	0.31 U	0.26 U	0.3 U	0.3 U	0.28 U
1,1,1-Trichloroethane	71-55-6	800	0.36 U	0.3 U	0.35 U	0.34 U	0.32 U
Benzene	71-43-2	60	0.27 U	0.22 U	0.26 U	0.25 U	0.24 U
1,2-Dichloroethane	107-06-2	100	4.1 U	3.4 U	3.9 U	3.8 U	3.6 U
Trichloroethene	79-01-6	700	0.42 U	0.36 U	0.41 U	0.4 U	0.38 U
4-Methyl-2-Pentanone	108-10-1	1,000	3.2 U	2.7 U	3.1 U	3.0 U	2.8 U
Toluene	108-88-3	1,500	0.34 U	0.29 U	0.33 U	0.32 U	0.3 U
1,3-Dichloropropane	142-28-9	300	0.61 U	0.51 U	0.59 U	0.57 U	0.54 U
Dibromochloromethane	124-48-1	NA	0.38 U	0.32 U	0.37 U	0.36 U	0.34 U
Tetrachloroethene	127-18-4	1,400	0.84 U	0.71 U	0.81 U	0.79 U	0.75 U
Chlorobenzene	108-90-7	1,700	0.46 U	0.39 U	0.45 U	0.44 U	0.41 U
Ethyl Benzene	100-41-4	5,500	0.33 U	0.28 U	0.32 U	0.31 U	0.29 U
m/p-Xylenes	136777-61-2	1,200	0.68 U	0.57 U	0.66 U	0.64 U	0.6 U
o-Xylene	95-47-6	1,200	0.57 U	0.48 U	0.55 U	0.54 U	0.51 U
1,1,2,2-Tetrachloroethane	79-34-5	600	0.7 U	0.59 U	0.68 U	0.66 U	0.62 U
1,2,3-Trichloropropane	96-18-4	400	0.54 U	0.45 U	0.52 U	0.51 U	0.48 U
n-propylbenzene	103-61-5	100 (STARS)	NR	NR	NR	NR	NR
1,3-Dichlorobenzene	541-73-1	1,600	0.28 U	0.23 U	0.27 U	0.26 U	0.25 U
1,4-Dichlorobenzene	106-46-7	8,500	0.46 U	0.39 U	0.45 U	0.44 U	0.41 U
1,2-Dichlorobenzene	95-50-1	7,900	0.54 U	0.45 U	0.52 U	0.51 U	0.48 U
1,2-Dibromo-3-Chloropropane	96-12-8	NA	NR	NR	NR	NR	NR
1,2,4-Trichlorobenzene	120-82-1	3,400	0.33 U	0.28 U	0.32 U	0.31 U	0.29 U
Total Xylenes			1.3 U	1.1 U	1.2 U	1.2 U	1.1 U
Naphthalene	91-20-3	13,000	NR	NR	NR	NR	NR
Total Confident Conc. VOC			0	0	6.7	7.7	8.7
Qualifiers							
U -	The compound was not detected at the indicated concentration.						
J -	Data indicates the presence of a compound that meets the identific The concentration given is an approximate value.						
B -	The analyte was found in the laboratory blank as well as the sampl						
P -	For dual column analysis, the percent difference between the quan						
* -	For dual column analysis, the lowest quantitated concentration is t						
NR -	Not analyzed						

**TABLE 8:**  
**Summary of Base Neutral Organic Compounds Analytical Results**  
**(Supplemental Phase II)**

Sample ID			HH9-7	HH9-23	HH9-33	HH9-48	HH10-7
Lab Sample Number			S4277-01	S4277-02	S4277-03	S4277-04	S4321-01
Sampling Date			8/19/2004	8/19/2004	8/19/2004	8/19/2004	8/23/2004
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			5.0	1.0	1.0	1.0	1.0
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #	NYSDEC TAGM SCOs					
bis(2-Chloroethyl)ether	111-44-4	NA	180 U	21 U	20 U	21 U	18 U
1,2-Dichlorobenzene	95-50-1	NA	200 U	23 U	22 U	23 U	199 U
1,3-Dichlorobenzene	541-73-1	NA	140 U	16 U	15 U	16 U	129 U
1,4-Dichlorobenzene	106-46-7	NA	160 U	18 U	17 U	21 U	149 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	200 U	23 U	22 U	23 U	199 U
N-Nitroso-di-n-propylamine	621-64-7	NA	160 U	19 U	18 U	19 U	159 U
Hexachloroethane	67-72-1	NA	180 U	20 U	20 U	20 U	169 U
Nitrobenzene	98-95-3	200	190 U	22 U	21 U	21 U	189 U
Isophorone	78-59-1	4,400	140 U	16 U	15 U	16 U	139 U
bis(2-Chloroethoxy)methane	111-91-1	NA	170 U	19 U	19 U	19 U	169 U
1,2,4-Trichlorobenzene	120-82-1	NA	110 U	12 U	12 U	12 U	99 U
Naphthalene	91-20-3	13,000	81 U	9.2 U	8.9 U	9.2 U	78 U
4-Chloroaniline	106-47-8	220	1400 U	160 U	150 U	160 U	1299 U
Hexachlorobutadiene	87-68-3	NA	130 U	15 U	14 U	15 U	129 U
2-Methylnaphthalene	91-57-6	36,400	64 U	7.3 U	7 U	7.3 U	62 U
Hexachlorocyclopentadiene	77-47-4	NA	93 U	11 U	10 U	11 U	90 U
2-Chloronaphthalene	91-58-7	NA	78 U	8.8 U	8.5 U	8.8 U	75 U
2-Nitroaniline	88-74-4	430	140 U	15 U	15 U	15 U	129 U
Dimethylphthalate	131-11-3	40,000	89 U	10 U	9.8 U	10 U	86 U
Acenaphthylene	208-96-8	41,000	110 U	13 U	12 U	13 U	109 U
2,6-Dinitrotoluene	606-20-2	1,000	160 U	18 U	17 U	18 U	159 U
3-Nitroaniline	99-09-2	500	600 U	68 U	66 U	68 U	589 U
Acenaphthene	83-32-9	50,000	82 U	9.4 U	9 U	9.3 U	79 U
Dibenzofuran	132-64-9	6,200	120 U	14 U	13 U	14 U	119 U
2,4-Dinitrotoluene	121-14-2	1,000	74 U	8.5 U	8.2 U	8.4 U	72 U
Diethylphthalate	84-66-2	7,100	120 U	13 U	13 U	13 U	109 U
4-Chlorophenyl-phenylether	7005-72-3	NA	92 U	10 U	10 U	10 U	89 U
Fluorene	86-73-7	50,000	110 U	11 U	12 U	12 U	99 U
4-Nitroaniline	100-01-6	NA	290 U	32 U	32 U	33 U	289 U
N-Nitrosodiphenylamine	86-30-6	NA	95 U	11 U	10 U	11 U	92 U
Azobenzene	103-33-3	NA	110 U	12 U	12 U	12 U	99 U
4-Bromophenyl-phenylether	101-55-3	NA	98 U	11 U	11 U	11 U	95 U
Hexachlorobenzene	118-74-1	410	70 U	8.0 U	7.7 U	7.9 U	67 U
Phenanthrene	85-01-8	50,000	4000	9.5 U	9.1 U	9.4 U	3499 J
Anthracene	120-12-7	50,000	390 J	10 U	9.8 U	10 U	739 J
Di-n-butylphthalate	84-74-2	8,100	50 U	5.6 U	5.4 U	5.6 U	47 U
Fluoranthene	206-44-0	50,000	4300	5.9 U	5.7 U	5.9 U	6099 J
Pyrene	129-00-0	50,000	4900	7.6 U	7.3 U	7.5 U	6399 J
Butylbenzylphthalate	85-68-7	50,000	120 U	14 U	14 U	14 U	119 U
3,3-Dichlorobenzidine	91-94-1	NA	600 U	68 U	66 U	68 U	579 U
Benzo(a)anthracene	56-55-3	224	2000 J	6.4 U	6.2 U	6.4 U	3699 J
Chrysene	218-01-9	400	2100 J	13 U	13 U	13 U	3299 J
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	740 J	140 J	290 J	60 U	83 U
Di-n-octyl phthalate	117-84-0	50,000	89 U	10 U	9.8 U	10 U	86 U
Benzo(b)fluoranthene	205-99-2	1,100	2400 J	23 J	22 J	22 U	3599 J
Benzo(k)fluoranthene	207-08-9	1,100	1100 J	14 J	14 J	14 J	1699 J
Benzo(a)pyrene	50-32-8	61	1500 J	7.3 J	7.0 J	7.3 U	3199 J
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	90 U	10 J	9.9 J	10 J	1199 J
Dibenz(a,h)anthracene	53-70-3	14	110 U	12 U	12 U	12 J	109 U
Benzo(g,h,i)perylene	191-24-2	50,000	490 J	18 J	18 J	18 J	1599 J
Total Confident Conc. SVOC			9200	0	0	0	35039
Qualifiers							
U - The compound was not detected at the indicated concentration.							
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate value.							
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.							
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.							
* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.							
NR - Not analyzed							

**TABLE 8:**  
**Summary of Base Neutral Organic Compounds Analytical Results**  
**(Supplemental Phase II)**

Sample ID	HH10-17	HH10-33	HH10-63	HH11-16	HH12-18	HH13-5		
Lab Sample Number	S4321-02	S4321-03	S4321-04	S4390-01	S4390-02	S4390-03		
Sampling Date	8/23/2004	8/23/2004	8/23/2004	8/24/2004	8/25/2004	8/26/2004		
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0		
Units	NYSDEC TAGM SCOs		ug/Kg	ug/Kg	ug/Kg	ug/Kg		
COMPOUND	CAS #		ug/Kg	ug/Kg	ug/Kg	ug/Kg		
bis(2-Chloroethyl)ether	111-44-4	NA	180 U	20 U	900 U	17 U	21 U	38 U
1,2-Dichlorobenzene	95-50-1	NA	200 U	22 U	1000 U	19 U	23 U	42 U
1,3-Dichlorobenzene	541-73-1	NA	130 U	15 U	680 U	13 U	16 U	28 U
1,4-Dichlorobenzene	106-46-7	NA	150 U	17 U	760 U	15 U	18 U	32 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	200 U	22 U	990 U	19 U	23 U	42 U
N-Nitroso-di-n-propylamine	621-64-7	NA	160 U	18 U	810 U	16 U	19 U	34 U
Hexachloroethane	67-72-1	NA	170 U	19 U	870 U	17 U	20 U	37 U
Nitrobenzene	98-95-3	200	190 U	21 U	930 U	18 U	21 U	39 U
Isophorone	78-59-1	4,400	140 U	15 U	680 U	13 U	16 U	29 U
bis(2-Chloroethoxy)methane	111-91-1	NA	170 U	19 U	840 U	16 U	19 U	35 U
1,2,4-Trichlorobenzene	120-82-1	NA	100 U	12 U	530 U	10 U	12 U	22 U
Naphthalene	91-20-3	13,000	79 U	430	400 U	130 U	9.2 U	80 J
4-Chloroaniline	106-47-8	220	1300 U	150 U	6800 U	130 U	160 U	280 U
Hexachlorobutadiene	87-68-3	NA	130 U	14 U	640 U	12 U	15 U	27 U
2-Methylnaphthalene	91-57-6	36,400	63 U	550	320 U	NR U	NR U	NR U
Hexachlorocyclopentadiene	77-47-4	NA	91 U	10 U	460 U	8.9 U	11 U	19 U
2-Chloronaphthalene	91-58-7	NA	76 U	8.5 U	380 U	7.4 U	8.8 U	16 U
2-Nitroaniline	88-74-4	430	130 U	15 U	660 U	NR U	NR U	NR U
Dimethylphthalate	131-11-3	40,000	87 U	9.7 U	440 U	8.5 U	10 U	18 U
Acenaphthylene	208-96-8	41,000	110 U	160 J	550 U	11 U	13 U	230 J
2,6-Dinitrotoluene	606-20-2	1,000	160 U	17 U	780 U	15 U	18 U	33 U
3-Nitroaniline	99-09-2	500	590 U	65 U	3000 U	NR U	NR U	NR U
Acenaphthene	83-32-9	50,000	80 U	780	400 U	100 J	9.3 U	17 U
Dibenzofuran	132-64-9	6,200	120 U	180 J	600 U	NR U	NR U	NR U
2,4-Dinitrotoluene	121-14-2	1,000	73 U	8.1 U	370 U	7.1 U	8.4 U	15 U
Diethylphthalate	84-66-2	7,100	110 U	13 U	580 U	11 U	13 U	24 U
4-Chlorophenyl-phenylether	7005-72-3	NA	90 U	10 U	450 U	8.8 U	10 U	19 U
Fluorene	86-73-7	50,000	100 U	540	520 U	130 U	12 U	98 J
4-Nitroaniline	100-01-6	NA	290 U	32 U	1400 U	NR U	NR U	NR U
N-Nitrosodiphenylamine	86-30-6	NA	93 U	10 U	460 U	9 U	11 U	20 U
Azobenzene	103-33-3	NA	100 U	12 U	520 U	10 U	12 U	22 U
4-Bromophenyl-phenylether	101-55-3	NA	96 U	11 U	480 U	9.3 U	11 U	20 U
Hexachlorobenzene	118-74-1	410	68 U	7.6 U	340 U	6.6 U	7.9 U	14 U
Phenanthrene	85-01-8	50,000	3500 J	1900	3700 J	1000	9.5 U	2800
Anthracene	120-12-7	50,000	740 J	690	440 U	230 J	10 U	340 J
Di-n-butylphthalate	84-74-2	8,100	48 U	5.4 U	240 U	4.7 U	5.6 U	10 U
Fluoranthene	206-44-0	50,000	6100	610	4400 J	890	5.9 U	3100
Pyrene	129-00-0	50,000	6400	1100	4700 J	780	7.5 U	2800
Butylbenzylphthalate	85-68-7	50,000	120 U	14 U	610 U	12 U	14 U	26 U
3,3-Dichlorobenzidine	91-94-1	NA	580 U	65 U	2900 U	57 U	68 U	120 U
Benzo(a)anthracene	56-55-3	224	3700	360 J	2400 J	370	6.4 J	1,400
Chrysene	218-01-9	400	3300 J	450	2400 J	330 J	13 J	1,300
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	84 U	9.3 U	420 U	87 J	49 J	18 U
Di-n-octyl phthalate	117-84-0	50,000	87 U	9.7 U	440 U	8.5 U	10 U	18 U
Benzo(b)fluoranthene	205-99-2	1,100	3600	230 J	2300 J	340 J	22 J	1,600
Benzo(k)fluoranthene	207-08-9	1,100	1700 J	86 J	630 U	150 J	14 U	760 J
Benzo(a)pyrene	50-32-8	61	3200 J	260 J	2300 J	280 J	7.3 J	1,100
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	1200 J	50 J	440 U	91 J	10 U	190 J
Dibenz(a,h)anthracene	53-70-3	14	110 U	12 U	540 U	10 U	12 U	23 U
Benzo(g,h,i)perylene	191-24-2	50,000	1600 J	69 J	800 U	110 J	18 U	320 J
Total Confident Conc. SVOC			35040	8445	0	3040	0	14,100
Qualifiers								
U - The compound was not detected at the indicated concentration.								
J - Data indicates the presence of a compound that meets the identification criteri: The concentration given is an approximate value.								
B - The analyte was found in the laboratory blank as well as the sample. This ind								
P - For dual column analysis, the percent difference between the quantitated conc								
* - For dual column analysis, the lowest quantitated concentration is being reporte								
NR - Not analyzed								



**TABLE 8:**  
**Summary of Base Neutral Organic Compounds Analytical Results**  
**(Supplemental Phase II)**

Sample ID	HH13-18	HH14-20	HH15-18	HH16-18	HH17-20	HH18-22		
Lab Sample Number	S4390-04	S4390-05	S4390-06	S4390-07	S4404-01	S4404-02		
Sampling Date	8/26/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004		
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0		
Units	NYSDEC TAGM SCOs		ug/Kg	ug/Kg	ug/Kg	ug/Kg		
COMPOUND	CAS #							
bis(2-Chloroethyl)ether	111-44-4	NA	20 U	28 U	18 U	20 U	26 U	19 U
1,2-Dichlorobenzene	95-50-1	NA	22 U	24 U	20 U	22 U	22 U	21 U
1,3-Dichlorobenzene	541-73-1	NA	15 U	16 U	13 U	15 U	15 U	14 U
1,4-Dichlorobenzene	106-46-7	NA	17 U	18 U	15 U	17 U	17 U	16 U
2,2-oxybis(1-Chloropropane)	108-60-1	NA	22 U	23 U	20 U	22 U	22 U	21 U
N-Nitroso-di-n-propylamine	621-64-7	NA	18 U	19 U	16 U	18 U	18 U	17 U
Hexachloroethane	67-72-1	NA	19 U	21 U	17 U	20 U	20 U	18 U
Nitrobenzene	98-95-3	200	20 U	22 U	18 U	21 U	21 U	20 U
Isophorone	78-59-1	4,400	15 U	16 U	14 U	15 U	15 U	14 U
bis(2-Chloroethoxy)methane	111-91-1	NA	18 U	20 U	17 U	19 U	19 U	18 U
1,2,4-Trichlorobenzene	120-82-1	NA	12 U	12 U	10 U	12 U	12 U	11 U
Naphthalene	91-20-3	13,000	8.8 U	9.4 U	7.9 U	9.0 U	8.9 U	8.4 U
4-Chloroaniline	106-47-8	220	150 U	160 U	130 U	150 U	150 U	140 U
Hexachlorobutadiene	87-68-3	NA	14 U	15 U	13 U	14 U	14 U	14 U
2-Methylnaphthalene	91-57-6	36,400	NR U	NR U	NR U	NR U	NR U	NR U
Hexachlorocyclopentadiene	77-47-4	NA	10 U	11 U	9.1 U	10 U	10 U	9.7 U
2-Chloronaphthalene	91-58-7	NA	8.4 U	9.0 U	7.6 U	8.6 U	8.6 U	8.0 U
2-Nitroaniline	88-74-4	430	NR U	NR U	NR U	NR U	NR U	NR U
Dimethylphthalate	131-11-3	40,000	9.6 U	10 U	8.7 U	9.8 U	9.8 U	9.2 U
Acenaphthylene	208-96-8	41,000	12 U	13 U	11 U	12 U	12 U	12 U
2,6-Dinitrotoluene	606-20-2	1,000	17 U	18 U	15 U	18 U	17 U	16 U
3-Nitroaniline	99-09-2	500	NR U	NR U	NR U	NR U	NR U	NR U
Acenaphthene	83-32-9	50,000	8.9 U	9.5 U	8.0 U	9.1 U	9.0 U	8.5 U
Dibenzofuran	132-64-9	6,200	NR U	NR U	NR U	NR U	NR U	NR U
2,4-Dinitrotoluene	121-14-2	1,000	8 U	19 U	16 U	18 U	8.2 U	17 U
Diethylphthalate	84-66-2	7,100	13 U	14 U	11 U	13 U	13 U	12 U
4-Chlorophenyl-phenylether	7005-72-3	NA	10 U	11 U	9 U	10 U	10 U	9.5 U
Fluorene	86-73-7	50,000	11 U	12 U	10 U	12 U	12 U	11 U
4-Nitroaniline	100-01-6	NA	NR U	NR U	NR U	NR U	NR U	NR U
N-Nitrosodiphenylamine	86-30-6	NA	10 U	11 U	9.2 U	10 U	10 U	9.8 U
Azobenzene	103-33-3	NA	11 U	12 U	10 U	12 U	12 U	11 U
4-Bromophenyl-phenylether	101-55-3	NA	11 U	11 U	9.6 U	11 U	11 U	10 U
Hexachlorobenzene	118-74-1	410	7.5 U	8.1 U	6.8 U	7.7 U	7.7 U	7.2 U
Phenanthrene	85-01-8	50,000	9.0 U	9.7 U	8.1 U	9.2 U	9.2 U	8.6 U
Anthracene	120-12-7	50,000	9.6 U	10 U	8.7 U	9.8 U	9.8 U	9.2 U
Di-n-butylphthalate	84-74-2	8,100	5.4 U	5.7 U	4.8 U	5.5 U	5.5 U	5.1 U
Fluoranthene	206-44-0	50,000	5.6 U	6.0 U	5.1 U	5.7 U	5.7 U	5.4 U
Pyrene	129-00-0	50,000	7.2 U	7.7 U	6.5 U	7.4 U	7.3 U	6.9 U
Butylbenzylphthalate	85-68-7	50,000	14 U	14 U	12 U	14 U	14 U	13 U
3,3-Dichlorobenzidine	91-94-1	NA	65 U	69 U	58 U	66 U	66 U	62 U
Benzo(a)anthracene	56-55-3	224	6.1 U	6.5 U	5.5 U	6.2 U	6.2 U	5.8 U
Chrysene	218-01-9	400	13 U	14 U	12 U	13 U	13 U	12 U
bis(2-Ethylhexyl)phthalate	117-81-7	50,000	55 J	9.9 U	52 J	9.5 U	46 J	8.8 U
Di-n-octyl phthalate	117-84-0	50,000	9.6 U	10 U	8.7 U	9.8 U	9.8 U	9.2 U
Benzo(b)fluoranthene	205-99-2	1,100	21 U	23 U	19 U	22 U	22 U	20 U
Benzo(k)fluoranthene	207-08-9	1,100	14 U	15 U	12 U	14 U	14 U	13 U
Benzo(a)pyrene	50-32-8	61	6.9 U	7.4 U	6.3 U	7.1 U	7.1 U	6.6 U
Indeno(1,2,3-cd)pyrene	193-39-5	3,200	9.7 U	10 U	8.8 U	10 U	9.9 U	9.3 U
Dibenz(a,h)anthracene	53-70-3	14	12 U	13 U	11 U	12 U	12 U	11 U
Benzo(g,h,i)perylene	191-24-2	50,000	18 U	19 U	16 U	18 U	18 U	17 U
Total Confident Conc. SVOC			0	0	0	0	0	0
Qualifiers								
U - The compound was not detected at the indicated concentration.								
J - Data indicates the presence of a compound that meets the identification criteri:								
The concentration given is an approximate value.								
B - The analyte was found in the laboratory blank as well as the sample. This ind								
P - For dual column analysis, the percent difference between the quantitated conc								
* - For dual column analysis, the lowest quantitated concentration is being reporte								
NR - Not analyzed								



**TABLE 9:**

**SUMMARY OF PCB/PESTICIDE ANALYTICAL RESULTS**

Sample ID			HH9-7	HH9-7DL	HH9-7DL2	HH9-23	HH9-33	HH9-48	HH11-16
Lab Sample Number			S4277-01	S4277-02DL	S4277-02DL2	S4277-02	S4277-03	S4277-04	S4390-01
Sampling Date			8/19/2004	8/20/2004	8/21/2004	8/19/2004	8/19/2004	8/19/2004	8/24/2004
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			1.0	5.0	50.0	1.0	1.0	1.0	1.0
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
		NYSDEC TAGM SCOs or NYS Background							
COMPOUND	CAS #								
<b>PESTICIDES</b>									
alpha-BHC	319-84-6	1,100	1.3 U	6.3 U D	63 U D	1.4 U	1.4 U	1.4 U	1.2 U
beta-BHC	319-85-7	200	1.3 U	6.4 U D	34 U D	1.5 U	1.4 U	1.5 U	1.2 U
delta-BHC	319-86-8	300	1.0 U	5.0 U D	50.0 U D	1.1 U	1.1 U	1.1 U	0.95 U
gamma-BHC	58-89-9	60	1.4 U	6.8 U D	68 U D	1.6 U	1.5 U	1.6 U	1.3 U
Heptachlor	76-44-8	100	1.5 U	7.4 U D	74 U D	1.7 U	1.6 U	1.7 U	1.4 U
Aldrin	309-00-2	41	1.2 U	5.9 U D	59 U D	1.4 U	1.3 U	1.4 U	1.1 U
Heptachlor epoxide	1024-57-3	20	1.4 U	7.1 U D	71 U D	1.6 U	1.6 U	1.6 U	1.4 U
Endosulfan I	959-98-8	900	1.6 U	8.2 U D	82 U D	1.9 U	1.8 U	1.9 U	1.6 U
Dieldrin	60-57-1	44	1.1 U	5.7 U D	57 U D	1.3 U	1.3 U	1.3 U	1.1 U
4,4-DDE	72-55-9	2,100	71 E	62 D	72 U D	1.7 U	1.6 U	1.7 U	1.4 U
Endrin	72-20-8	100	2.1 U	10 U D	100 U D	1.3 U	2.3 U	2.4 U	2 U
Endosulfan II	33213-65-9	900	1.5 U	7.4 U D	74 U D	1.9 U	1.6 U	1.7 U	1.4 U
4,4-DDD	72-54-8	2,900	97 E P	99 D P	57 U D	1.3 U	1.3 U	1.3 U	1.1 U
Endosulfan Sulfate	1031-07-8	1,000	1.7 U	8.3 U	83 U D	1.9 U	1.8 U	1.9 U	1.6 U
4,4-DDT	50-29-3	2,100	550 E P	400 E P D	280 D	2.4 U	2.3 U	2.4 U	2 U
Methoxychlor	72-43-5	<10,000 total	1.4 U	7.1 U D	71 U D	1.6 U	1.6 U	1.6 U	1.4 U
Endrin ketone	53494-70-5	NA	1.5 U	7.3 U D	73 U D	1.7 U	1.6 U	1.7 U	1.4 U
Endrin aldehyde	7421-93-4	NA	1.7 U	8.6 U D	86 U D	2.0 U	1.9 U	2.0 U	1.6 U
alpha-Chlordane	5103-71-9	NA	1.7 U	8.3 U D	83 U D	1.9 U	1.8 U	1.9 U	1.6 U
gamma-Chlordane	5103-74-2	NA	1.7 U	8.3 U D	83 U D	1.9 U	1.8 U	1.9 U	1.6 U
Toxaphene	8001-35-2	NA	3.4 U	17 U D	170 U D	3.9 U	3.7 U	3.9 U	3.2 U
<b>PCBs</b>									
Aroclor-1016	12674-11-2	1,000-surface/10,000 subsurface	5.8 U	NA	NA	6.6 U	6.4 U	6.7 U	5.6 U
Aroclor-1221	11104-28-2	1,000-surface/10,000 subsurface	4.0 U	NA	NA	4.5 U	4.4 U	4.6 U	3.8 U
Aroclor-1232	11141-16-5	1,000-surface/10,000 subsurface	2.7 U	NA	NA	3.1 U	3.0 U	3.1 U	2.6 U
Aroclor-1242	53469-21-9	1,000-surface/10,000 subsurface	3.5 U	NA	NA	3.9 U	3.8 U	4.0 U	3.3 U
Aroclor-1248	12672-29-6	1,000-surface/10,000 subsurface	4.1 U	NA	NA	4.7 U	4.5 U	4.7 U	3.9 U
Aroclor-1254	11097-69-1	1,000-surface/10,000 subsurface	1.5 U	NA	NA	1.7 U	1.7 U	1.7 U	1.4 U
Aroclor-1260	11096-82-5	1,000-surface/10,000 subsurface	3.3 U	NA	NA	3.8 U	3.6 U	3.8 U	3.2 U
<b>Qualifiers</b>									
U - The compound was not detected at the indicated concentration.									
J - Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than zero. The concentration given is an approximate									
D - Diluted									
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.									
P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.									
E - Valu Exceeds Calibration Range									
NR - Not analyzed									

SUMMARY OF PCB/PESTICIDE ANALYTICAL RESULTS

Sample ID			HH12-18	HH13-5	HH13-18	HH14-20	HH15-18	HH16-18	HH17-20	HH18-22
Lab Sample Number			S4390-02	S4390-03	S4390-04	S4390-05	S4390-06	S4390-07	S4404-01	S4404-02
Sampling Date			8/25/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004	8/26/2004
Matrix			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units			ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
			NYSDEC TAGM SCOs or NYS Background							
COMPOUND	CAS #									
<b>PESTICIDES</b>										
alpha-BHC	319-84-6	1,100	1.4 U	1.3 U	1.3 U	1.5 U	1.2 U	1.4 U	1.4 U	1.3 U
beta-BHC	319-85-7	200	1.5 U	1.3 U	1.4 U	1.5 U	1.3 U	1.4 U	1.4 U	1.3 U
delta-BHC	319-86-8	300	1.1 U	1 U	1.1 U	1.2 U	0.98 U	1.1 U	1.1 U	1 U
gamma-BHC	58-89-9	60	1.6 U	1.4 U	1.5 U	1.6 U	1.3 U	1.5 U	1.5 U	1.4 U
Heptachlor	76-44-8	100	1.7 U	1.5 U	1.6 U	1.7 U	1.5 U	1.7 U	1.6 U	1.5 U
Aldrin	309-00-2	41	1.4 U	1.2 U	1.3 U	1.4 U	1.2 U	1.3 U	1.3 U	1.2 U
Heptachlor epoxide	1024-57-3	20	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.6 U	1.6 U	1.5 U
Endosulfan I	959-98-8	900	1.9 U	1.7 U	1.8 U	1.9 U	1.6 U	1.8 U	1.8 U	1.7 U
Dieldrin	60-57-1	44	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.3 U	1.3 U	1.2 U
4,4-DDE	72-55-9	2,100	1.7 U	1.5 U	1.5 U	1.7 U	1.4 U	1.6 U	1.6 U	1.5 U
Endrin	72-20-8	100	2.4 U	2.1 U	2.2 U	2.4 U	2 U	2.3 U	2.3 U	2.1 U
Endosulfan II	33213-65-9	900	1.7 U	1.5 U	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U	1.5 U
4,4-DDD	72-54-8	2,900	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1.3 U	1.3 U	1.2 U
Endosulfan Sulfate	1031-07-8	1,000	1.9 U	1.7 U	1.8 U	1.9 U	1.6 U	1.9 U	1.8 U	1.7 U
4,4-DDT	50-29-3	2,100	2.4 U	2.1 U	2.2 U	2.4 U	2 U	2.3 U	2.3 U	2.2 U
Methoxychlor	72-43-5	<10,000 total	1.6 U	1.5 U	1.5 U	1.6 U	1.4 U	1.6 U	1.6 U	1.5 U
Endrin ketone	53494-70-5	NA	1.7 U	1.5 U	1.6 U	1.7 U	1.4 U	1.6 U	1.6 U	1.5 U
Endrin aldehyde	7421-93-4	NA	2.0 U	1.8 U	1.8 U	2.0 U	1.7 U	1.9 U	1.9 U	1.8 U
alpha-Chlordane	5103-71-9	NA	1.9 U	1.7 U	1.8 U	1.9 U	1.6 U	1.9 U	1.8 U	1.7 U
gamma-Chlordane	5103-74-2	NA	1.9 U	1.7 U	1.8 U	1.9 U	1.6 U	1.9 U	1.9 U	1.7 U
Toxaphene	8001-35-2	NA	3.9 U	3.5 U	3.6 U	3.9 U	3.3 U	3.8 U	3.7 U	3.5 U
<b>PCBs</b>										
Aroclor-1016	12674-11-2	1,000-surface/10,000 subsurface	6.7 U	6.1 U	6.3 U	6.7 U	5.7 U	6.5 U	6.4 U	6 U
Aroclor-1221	11104-28-2	1,000-surface/10,000 subsurface	4.6 U	4.1 U	4.3 U	4.6 U	3.9 U	4.4 U	4.4 U	4.1 U
Aroclor-1232	11141-16-5	1,000-surface/10,000 subsurface	3.1 U	2.8 U	2.9 U	3.1 U	2.6 U	3.0 U	3.0 U	2.8 U
Aroclor-1242	53469-21-9	1,000-surface/10,000 subsurface	4.0 U	3.6 U	3.7 U	4.0 U	3.4 U	3.9 U	3.8 U	3.6 U
Aroclor-1248	12672-29-6	1,000-surface/10,000 subsurface	4.7 U	4.3 U	4.4 U	4.7 U	4.0 U	4.6 U	4.5 U	4.2 U
Aroclor-1254	11097-69-1	1,000-surface/10,000 subsurface	1.7 U	1.6 U	1.6 U	1.7 U	1.5 U	1.7 U	1.7 U	1.6 U
Aroclor-1260	11096-82-5	1,000-surface/10,000 subsurface	3.8 U	3.4 U	3.5 U	3.8 U	3.2 U	3.7 U	3.6 U	3.4 U
Qualifiers										
U - The compound was not detected at the indicated concentration										
J - Data indicates the presence of a compound that meets the ideal value										
D - Diluted										
B - The analyte was found in the laboratory blank as well as the sample										
P - For dual column analysis, the percent difference between the two columns is less than 10%										
E - Value Exceeds Calibration Range										
NR - Not analyzed										

# **APPENDIX A**

## Soil Boring Logs

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH 1

Date: 5/27/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			39 50/5	very moist loose	0.0 0.0	brown - reddish brown fine sand, little red gravel, tr. silt	2"
14			9 9		57.2	same	3" rec. will dig sand spoon petrol. odor in 2nd spec.
16			12 17		61.7		
18						Drill to 25' set 1010 slot (2" dia) 10-25 2" dia 10-0.5 Sand to 8' bottom to 4' concrete to surface	
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH-1

Date: 5/27/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: Davey Kent Rig  
6" Hollow Stem Augers

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			7		0	Asphalt brn-gray brown cuf SAND, some cuf gravel, tr. silt	2.5" rec. Asp
			12	Moist			
			8	loose			
2			7				
			9				3"
			7			- brown - red cuf SAND, some cuf gravel	Fill
			2			brick, glass	
4			4		0	Same	3"
			3				
			2				
6			2				
			4		5.0	Same	Pine/wood odor
			6				5" Rec
			3/3		0.0	w black charcoal & wood frags in tr	
8			4		0.0	Same	6"
			6				
			11			brown cuf	
10			3				
			22	WET	0.0	brown to dark brownish gray cuf SAND and tr gravel & silt	odor of Moth Balls
			30/2	Moist	0.5	concrete in tr	
12							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;

tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;

(+) = upper end; (-) = lower end of limit

c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH2

Date: 5/27/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: see HH2

Depth (feet) 0	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			Revised Moist Revised Loose				
2	HH2	SS	7 11		0.8 0	brown-black cms sand 1. #10 ms g + trace silt asphalt brick	Rec = 4"
			8 8		0 0		
4			10 10		0 0	Same	Rec 3"
			6 6	Moist loose	0	Same	Rec = 6"
			20 7		0	brick frags	
8			3 4	Moist loose	0	brick frags and asphalt	Rec. 7"
			3 6	v. moist loose	0		
10			5 7	moist sl. silty	0	brown red brn cms sand little ms gravel, tr. silt	Rec 12"
			7 22		0	= Asphalt concrete in tip	
12			11 50/3"		0	Same Asphalt	5"

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH 2

Date: 5/22/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			48				drilled through sampled 13-15'
14			38		0	same - brn - red brn cm ss SAND little m(f) gravel, tr. silt	
			50/2		0		drilled three spots
16			38	V. Moist	44.6	brown - black cm ss SAND and m(f) GRAVEL	Petro! @ 20'
			42				
			56	Wet	57.8		
			34				
18							
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming -  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH3

Date: 5/27/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: see #42

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
0						Asphalt	5"
2			17 15 50/11	loose sl. moist -dry	0	brick and sand	
4			14 20 3 1		0	gray - dk gray calc SAND, some mst + a, + silt brick concrete stone	4"
6			2 3 3 1	Moist firm very moist sl. firm	0	dark grey brown - mst SAND, little fine gravel, traces silt strong brown fine SAND, little silt	2" Rec
8			3 7 5 5	loose Moist	0	collapsed (?) gray calc SAND and mst concrete frags brick frags brown calc + SAND, trace silt	9"
10			30 50/4				
12			50/4				referral return on site wait a sec

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH3

Date: 6/7/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
							Drilled through -6/7/04
14				1.0 31.0	0.0 2.5	red. gray calc. SAND, little m. f. gravel, 1% oil	see = 12"
				42.5	30.5	gray - black calc SAND, little m. f. gravel, trace oil	12"
16				Wet	30.6 22.3	Same	see = 3"
18							
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No. 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

1114

Date: 5/28/2004

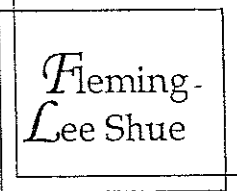
Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: CME 75  
Hollow Stem Auger

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			Auger			Asphalt	
2			75	sl moist sl. firm	0	reddish brown c/s SAND, little m/f gravel asphalt	started SS sample 5' @ 1.0
			64		0		
4			62		0	dk gray-brown c/s SAND little m/f gravel steel, asphalt	11"
			22		0	reddish brn coarse SAND, little m/f gravel trace silt, brick, concrete asphalt backfill tip	
6			62		0	same as above	31"
			25		0		
8			73		0	brown-red very pale brown c/s SAND, little m/f gravel, (+) silt	7"
			11		0	glass frags	
10			17	loose moist	0	brown c/s SAND l. m/f, (+) silt	
			1225	Firm	0	Pink sandstone frags	
12			50/6	Firm Moist	0	brown c/s m/f SAND, little m/f gravel, trace (+) silt	6"
					0	drilling thru concrete	

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



Environmental Management & Consulting  
 226 West 26<sup>th</sup> Street  
 New York, N.Y. 10001  
 212-675-3225

CLIENT: 1800 Park Avenue LLC  
 Project No.: 10052-001  
 Site Location: Harlem Hotel Site  
 1800 Park Ave., East Harlem

Boring No. **HH 4**  
 Date: 5/28/2004

Driller: Aquifer Drilling & Testing  
 Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			Augered			Concrete	
14			8 50/6	Moist firm-soft	0 0	Same at 11-12'	3"
16			65 28	Moist v. moist	46.3	yellow-brown c/s SAND, 1. mfg tr. silt	Retrol 0.05
			17 10	Wet	37.3 21.9	black cut SAND, some mfg	
18			12 10	Wet moist	11.2 25.2	brown-dk grey (+) mfg SAND, 1. mfg, tr silt	
			12 8		4.1 0.0	reddish brown fine SAND, some-silt	
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
 tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
 (+) = upper end; (-) = lower end of limit  
 c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH5  
/MW2

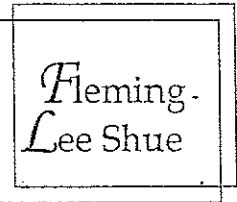
Date: 5/28/2004

Driller: Aquifer Drilling & Testing Tony & Chris  
Geologist: Curt Schmidt, P.G.

Equipment: CME 75  
HSA

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
0			Augered			Asphalt	
2			WOR	loose moist	0	gray-black emf GRAVEL and emf SAND; asphalt concrete frags	2"
	HH4- 1	Soil	1 2		0		
4			2 4		0	gray-black-red emf SAND and mf gravel asphalt, brick frags	4"
			4 3		0		
6			2 4	loose moist	0	brick frags only (red emf GRAVEL)	2"
			4 3		0		
8			2 2		0	White to brown emf SAND, some mf gravel det. concrete, brick and stone	2"
			2 2		0		
10			1 2		0	lgt gray brown - white emf SAND, little fine gravel/trace silt	2"
			2 1		0	det concrete & sand, red fabric cotton	
12			2 4	loose moist		Same as above	
			3 4				

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



Environmental Management & Consulting  
 226 West 26th Street  
 New York, N.Y. 10001  
 212-675-3225

CLIENT: 1800 Park Avenue LLC  
 Project No.: 10052-001  
 Site Location: Harlem Hotel Site  
 1800 Park Ave., East Harlem  
 Equipment:

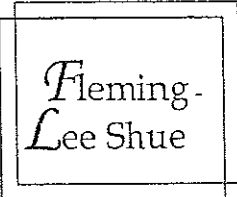
Boring No.  
 HHS  
 /MAR 2  
 Date: 5/28/2004

Driller: Aquifer Drilling & Testing  
 Geologist: Curt Schmidt, P.G.

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			3	Moist	0		
			4	loose			
14			2		0	Stragg brown-gray cms SAND, some cms gravel	5'
			4				
			3	Very Moist	4.9	Silt	
			4				slight odor in
16			2	Very Moist	15.3	Same	6"
			7				
			12	wet	17.2	dk gray cms GRAVEL and cms SAND	slight petrol odor
			14	loose			
18			4		2.7	brn cms SAND, l. cms gravel, (+) silt	8'
			6				
			7		4.3	wood, fabric	↓
			6				
20			10		5.2	brn-pinkish brn cms SAND, some cms gravel trace silt	7'
			10				
			15		8.9	yellow cms GRAVEL, l. cms sand	
			14				
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
 tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
 (+) = upper end; (-) = lower end of limit  
 c = coarse; m = medium; f = fine

532  
 7383



Environmental Management & Consulting

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212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HA5

Date: 5/ /2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
27			17		1.8	reddish gray c+m s SAND, some m f g gravel + m s s (+)	18"
28			13		7.5		very
			13		5.8		slight petrol odor
			6		4.6		
30							
32							
34							
36							
38							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
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212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH6

Date: 5/28/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: CME 75

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			Auger			Asphalt	
			4	Moist	3.0	very dk gy CMS SAND and CMS GRAVEL	12"
2			6	100SP	1.5		
			7	dry	0.4	red CMS GRAVEL and CMS SAND	
			50/6	loose	0.0	brick & brick frags, wood in tip	1st Refusal of auger @ 3' Move East
4							
			8		0.9	v. dk gray CMS SAND, some MFC	
6			8		0.9	+ silt brick, stone, concrete	
			5		3.4	Wood	
			6	Moist Firm	2.7	yellowish CMS SAND, + silt brown	2nd refusal 7' on concrete Move to the west
8							
10							
			12	Firm	5.4	brown-gray brown CMS SAND, some	
			18	Moist	1.8	MS gravel, trace silt concrete	No Order
			16		0	black tin SAND, little (+) silt little	
12			50/6"		0	MS gravel wood bricks	

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

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New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HHC

Date: 5/ /2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			22		11.2	v. dk gray ruff (+) SAND, some MS gravel, little clay.	No Petro. Oder Sample is not due to heavy blow low
			35	very firm	148		
			15	Moist	376		
14			50/6		46.1		
					1.2		
			27/6		12.3		Re: in Borehole 14-15 6-7-00 Res = 4.1
15			55	Wet	57.6		
18							
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



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212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH 7

Date: 6/7/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: Davey Kent  
Hollow Stem Auger

Depth (feet) 0	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			Augered			Asphalt	
2			11 8		0 0	brown cms SAND, 1. m fgs gravel, fb. silt; br	Rec = 6"
			4 3		0 1.5	Wood in top	
4			7 4		0 .	Same w/ 50% soft wood frags	Rec = 3"
			7 5		0		
6			3 5		0	brown-red cms SAND, little fine gravel, tr. silt; wood, brick	3" Rec
			6 3		0		
8			25 50/4		0 0	red-gran cms SAND, some of gravel, fb. silt; brick, concrete	6" Rec
10			50/5		0 0	Same, w/ wood & 1-cms gravel	6" Rec
12			27 50/1		0 0		8" Rec

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26<sup>th</sup> Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH7

Date: 6/7/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
14			21 41		0 0	Same brick, wood	
			23 18		0 5.5		
16			15 13		33.7 46.8	Wet w/oil on very tip	slight odor 4" Rec. Fuel Oil odor
18							
20							
22							
24							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

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212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH 8

Date: 6/7/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: Davey Kork Drill Rig  
Hollow Stem Auger & 2" & 5"

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			<del>Auger</del>				
			20	SIRM	2.9	brown - gray (c) w/ SAND, some m & gravel, tr. silt	Rec = 12" No odor
2			20	sl moist	2.3		
			18		1.9	wood red brick, asphalt	Slight wood odor
			15		3.3		
			3		0.7	Same	Rec = 8"
4			12		0		
			20		0	wood asphalt	
			12		0		
			10		0.0	red - brown w/ SAND, some w/ gravel, tr. silt.	Rec = 14"
6			20		0.0		
			25		0.1	asphalt, brick, wood	
			16		1.8		
			5	MOIST	0	dark brown - red cussand, some w/ gravel, tr. silt brick & tile.	Rec = 2"
8			3	loose			
			2		0	Same	
			2				
			2	loose moist	0	some brownish gray - brown w/ SAND and w/ GRAVEL, trace silt; brick, concrete, glass	Rec = 6" Perched Water
10			3	wet	0		
			50/2				
			18	wet soft	0	Same	
12			27		0		
			22-25	moist firm	0		

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

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Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH8

Date: 5/7/2004

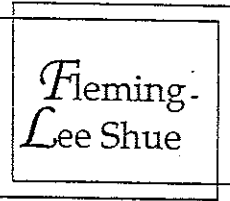
Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: Davey Kent Rig  
HSA & SS, 2' x 2" Dia.

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
			33	Very Moist	0.7	brown - v.d.k. gray and SAND; some ms gravel, trace silt; concrete frags	rec-5"
			14	loose	61		
			13	Wet	23.8		
15.25			11	loose	61.7		Petrol. Oder
				↓	25.6	Same, less odor	grab additional sample for volume
				↓	10.7		
17.3							
19.2							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
 tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
 (+) = upper end; (-) = lower end of limit  
 c = coarse; m = medium; f = fine

	Environmental Management & Consulting 226 West 26th Street New York, N.Y. 10001 212-675-3225	CLIENT: 1800 Park Avenue LLC Project No.: 10052-001 Site Location: Harlem Hotel Site 1800 Park Ave., East Harlem	Boring No. 4.H. 9
	Driller: <u>Aquifer Drilling &amp; Testing</u> Geologist: <u>Gurt Schmidt, P.G.</u>	Equipment: PID	Date: <u>8/19/2004</u> <u>started 0900</u> <u>ended 8/20/2004</u> <u>1215</u>

*Joel Reigent*

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
1-4	-	-	NONE	-	0	GENERAL CONSTRUCTION DEBRIS, FILL MATERIAL	DRY
5				1/dry	0		
6	1	G	9-7	1/dry	0	RED, BROWN, BLACK C-F SANDS	DRY
7			3-2	1/dry	0	SOME CMF; GRAVEL; TRACE SILTS; CONCRETE LEAS @ 5'-6'	
8	2	G	16-8	1/dry	0	BROWN to BLACK C-F SANDS	
9			32-45	1/dry	0	TRACE SILTS, SOME ARKOSE	DRY
10	3	G	40-43	1/dry	0	RED to BROWN C-F SANDS	
11			50/4"	1/dry	0	Lt. RED to pink to Lt. PURPLE COARSE SANDS	
12	4	G	42-17	1/dry	0	DARK RED to BROWN C-M SANDS	
13			30-43	1/dry	0	TRACE F tan to LIGHT BROWN SANDS	DRY
14	5	G	22-23	1/wet	0	MED to DARK BROWN C-M SANDS	WET
15			38-25	1/wet	0	LITTLE to SOME Lt. to MED BR M SANDS	
18	6	G	17-12	1/wet	0	no sample - spoon was empty	wet.
20			9-11	1/wet	0		
23	7	G	12-11	1/wet	0	med red to brown medium to fine SAND, some silts	wet
25			11-12	1/wet	0		
28	8	G	7-5	1/wet	0	med red to brown medium to fine sands; some silts; to clay	
30			11-14	1/wet	0		
33	9	G	12-10	1/wet	0	med grayish brown m to f SAND	plastic
35			8-7	1/wet	0	SOME SILTS, LITTLE CLAY	
38	10	G	5-5	1/wet	0	med gray to brown fine sand	plastic
40			5-5	1/wet	0	some silt, some clay	
43	11	G	6-4	1/wet	0	med grayish brown fine sands	plastic
45			6-3	1/wet	0	some silt, some clay	
48	12	G	10-7	1/wet	0		

Using  
 soil  
 to  
 25'  
 below  
 surface  
 grad

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
 tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
 (+) = upper end; (-) = lower end of limit  
 c = coarse; m = medium; f = fine

**Fleming-  
Lee Shue**

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

*H.H. #9*

Date: *8/20/2004*

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: *PID*

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
50	12	G	50/5"	1 wet	0		
53	13	G	9-14	1 wet	0	<i>med to dark reddish brown fine to coarse sands, some grain sand, little silt.</i>	<i>tough augering</i>
55		G	17-24	1 wet	0		
58	14	G	10 50/5	1 wet	0		
60		G		1 wet	0	<i>dark greyish brown med to coarse sands, some gravel, little silt</i>	<i>tough augering</i>
<i>end of boring @ 60'</i>							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of unit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
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226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

H. H. #10

Date: 8/23/2004

Started 0745  
Finished 1515

Driller: Aquifer Drilling & Testing

Geologist: ~~Curt Schmidt, P.G.~~

Equipment: PID

2001 Reigert

5755  
5-7

1804  
1-9

1811  
9-11

1826  
11-13

838  
13-15

1920  
15-17

1952  
17-19

003  
19-21

1022  
21-23

10-50  
23-25

see  
pages  
to  
20

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
1					0	6" BLACKTOP ASPHALT PAVEMENT	
2						6" CRUSHED STONE	
3						ASSORTED CONSTRUCTION DEBRIS	
4							
5	1	G	2-11	firm/dry	0	dark reddish brown coarse sands	60% recovery
6			14-18			some gravel, some medium sands	
7	2	G	15-34	firm/dry	0	med. to dark reddish, brown, black	60% recovery
8			35-41			coarse to med sands, little gravel	
9	3	G	36-50 1/4"	dry	0	med to dark brown gravel to coarse	U. little recovery
10						sands, trace med. sands.	
11	4	G	36-37	tight/wet	0	med to dark med to coarse sands	100% recovery
12			44-50 1/3"			some gravel, brown little fine sands	
13	5	G	29-32	tight/wet	5.2	med reddish brown coarse sands	100% recovery
14			23-21			some gravel, little med sands	
15	6	G	30-18	1/wet	0	oil sheen on gravel	
16			15-16			med to dark brown, black, grey coarse	50% recovery
17	7	G	2-5-	1/wet	0	sands, some silts, trace clay	95% recovery
18			8-7				
19	8	G	4-11-	1/wet	0	med to dark reddish brown med.	50% recovery
20			14-14			to fine sands, some silt, trace clay	
21	9	G	5-7-		0	as above	75% recovery
22			11-17				
23	10	G	3-9		0	as above, more reddish color	100% recovery
24			13-20				
25							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
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c = coarse; m = medium; f = fine

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226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

H.H. #10

Date: 8/23/2004

finished @ 1515

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: PID

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
26	11	G	7-11	firm/wet	0	dark reddish brown med to fine sands, some silts, little clay	100% recovery
28			13-14				
30	12	G	6-9	tight/wet	0	med. reddish brown fine sands	100% recovery
32			10-14			some silt, little clay	
33	13	G	4-4	firm/wet	0	med. reddish brown fine sands	100% recovery
35			5-8			some silts, some clay	
36	14	G	9-50/5"	firm/wet	0	as above	20% recovery
37							
38	15	G	12-30/2"	firm/wet	0	as above	20% recovery
39							
40	16	G	8-40/4"	tight/wet	0	dark reddish brown med to fine sands, some silt, some clay	10% recovery
41							
43	17	G	6-50/5"	tight/wet	0	light to med gray med. to fine sands, some silt, little clay	20% recovery
45							
48	18	G	10-13	tight/wet	0	med gray to white to buff coarse sands, little gravel, brown med sands	20% recovery
50			17-17				
53	19	G	17-16	light/wet	0	AS ABOVE	10% recovery
55			14-37				
58	20	G	14-18-	firm/wet	0	med grayish brown coarse sands, some med sands, trace gravel, trace fine sands	30% recovery
60			23-24-				
63	21	G	9-12	loose/wet	0	lit to med grayish brown med sands some coarse little silts	25% recovery
65			14-18				
68	22	G	11-15-	loose/wet	0	lit to grayish brown med to coarse sands, some gravel, little fine sands	20% recovery
70			17-19				
73-75	23	G	20-40/2"	loose/wet	0	AS ABOVE end of hole @ 80'	10% recovery

039  
33-35

110

125

145

334  
58-60

B49

1410

1430

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH-13

Date: 8/25/2004

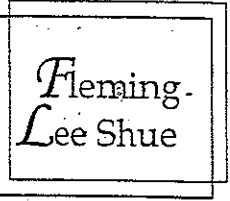
Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: CME  
Rotary

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
1							
2							
3							
4							
5			3-3	v. Moist stiff	0.0	gray - pale brown c&f SAND, some mf gravel, trace silt, brick concrete	7" Rec
6			10-13		0.0		
7							
8							
9							8" Rec
10							8" Rec
11			8-7	Wet	0.0	reddish brown c&f SAND, trace fine gravel silt.	
12			9-11	firm	0.0		
13			11-19	Wet	0.0	grayish brown - brownish gray c&f SAND, some mf gravel, concrete	18" Rec
14			30-43	firm	0.1	brk	No odor
15			6-13	Wet	0.0	v. dk gray gravel frags in tip some dk gray mf GRAVEL and c&f SAND	12" Petrol Odor
16			13-14	firm	0.9		
17			11-11	Wet	0.5	grayish brown c&f SAND, some mf gravel & (-) silt	2" Rec/light petrol odor
18			13-20	loose	15.4		
19			21-13	Wet	0.0	same	12" Rec
20			11-9	sl. firm	0.0	red silty fine SAND in tip	No odor
21			2-6	Wet	0.1	reddish brown to brown mf SAND, little silt, occ. mf gravel (rounded)	15" Rec
22			6-8	firm	0.0		No odor
23			14-15	Wet	0.0	Same as 20-22	9" Rec
24			19-11	firm	0.0		No odor

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine



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 New York, N.Y. 10001  
 212-675-3225

CLIENT: 1800 Park Avenue LLC  
 Project No.: 10052-001  
 Site Location: Harlem Hotel Site  
 1800 Park Ave., East Harlem  
 Equipment:

Boring No.  
 HH-14  
 Date: 8/25/2004

Driller: Aquifer Drilling & Testing  
 Geologist: Curt Schmidt, P.G.

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
1							
2							
3							
4							
5							
6			18 21			No Recovery	
7			21 17				
8							
9							
10							
11			7-7	Moist	0.0	brown, med SAND and med GRAVEL	12" Rec
12			8-11	firm	0.0	brick fragments	
13			13-19	firm	0	dk greyish brown - g. w/ yellow mottling	15" Rec
14			15-20	moist - wet	0	med GRAVEL and med (+) SAND, tr. silt	10" Rec
15			18-16	firm	56.9	dk grey to black med SAND and med GRAVEL	Partial 8" Rec
16			19-10	wet	36.0		12" Rec
17			12-15	"	43.2	dk brownish grey - black	14" Rec
18			19-25	slightly firm	30.1 64.3 7.7	med SAND and (+) med GRAVEL tr silt	
19			7-6				No Rec
20			6-6				
21			8-10	firm	0.0	brown fine SAND, little silt	14" Rec
22			11-10	wet	0.0	med med-gravel	
23			12-15	↓	0.0	same as 20-22	12" Rec
24			17-22	↓	0.0		
25							

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
 tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
 (+) = upper end; (-) = lower end of limit  
 c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
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226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

HH-15

Date: 8/25/2004 Staff

8/26/2004 F. Wick

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: CME 75  
HSA

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
1							
2							
3							
4							
5							
6			7-6	Moist	00	red, brown - black	6" Rec
7			11-10	Firm	00	clay SAND and coarse GRAVEL, brick concrete, asphalt, crushed stone	Rubble
8							
9							
10							
11			5-6	v. moist - wet	00	Same as 5-7'	5" Rec
12			8-12	Firm	00		
13			21-30	Firm	00	dark reddish brown coarse SAND, some med gravel, trace silt	11" Rec No
14			25-24	v. moist - moist	00	concrete	concrete brick Frag Odor
15			9-9	v. moist - wet	30.9	v. dk gray - dark gray	10" Rec
16			7-8	sl. firm	24.9	coarse SAND, some med gravel + tr. silt	Petrol Odor
17			9-12	Wet	15.8	Same	Petrol Odor
18			10-10	Firm	10.4		
19			7-8	Wet	00	brown - dk gray coarse SAND, some fine gravel, + tr. silt	4" No Odor
20			10-6	sl. firm	00		
21			7-7	v. moist - wet	00	reddish brown fine SAND some silt, occ. fine gravel.	14"
22			9-8	Firm	00		
23			8-15	↓	00	same w/ coarse sand - probably dragged down	
24			21-20	↓	00		

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
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Environmental Management &  
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New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

H.H. #16

Date: 2/20/2004  
Started 0900  
Finished 10:50

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: FID

Steel Reagent

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
0			/	DRY	0	asphalt pavement and stone	
2			/	DRY	0	Bldy debris, wood, brick, concrete soil	
8	1	G	5-5	loose DRY	0	med. reddish brown coarse sands and gravel, some med sands	loose 15% rec
10			8-7				
11	2	G	7-5	loose WET	0	as above with increasing med brown med sands	15% rec
12			7-5				
13	3	G	8-7	loose WET	0	as above little gravel and 25% med to coarse sands, trace silts	20% rec
14			8-7				
15	4	G	11-16	loose			
16			24-11				
17	5	G	11-12	firm/ wet	0	no sample collected in spoon (14-16)	0% rec.
18			16-15			Dark brown, black coarse sands and gravel, some med brown med sands slight odor present.	100% rec.
19	6	G	5-7	firm/ wet	0	dark med brown med to fine sands, some silts. no odor	5% rec 100% rec
20			8-9				
21	7	G	6-5	firm/ wet	0	as above, clean, no odor	100% rec
22			5-3				
23	8	G	10-12	firm/ wet	0	as above, clean no odors	100% rec
24			13-15			end of boring @ 25'	

7920  
7927  
139  
7945  
630

total  
rec  
@ 5

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
Consulting

226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Project No.: 10052-001

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Boring No.

H.H. #17

Date: 8/26/2004

Started 1115  
Finished 1315

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment:

P10

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks	
	No.	Type						
115	0			Dry	-	asphalt pavement and crushed stone	casing stalled @ 5' to 25'	
	2							
	3			Dry	-	construction debris, brick, stone concrete, wood pieces, etc		
30	8							
	9	1	G	4-2	Wet/Dry	0	med to dark reddish brown gravel and coarse sands, some med. sands, trace silts and fine sands	25% rec
	10			3-2				
155	11	2	G	5-7	Wet	0	as above	25% rec
	12			7-6				
	13	3	G	9-10	light/Wet	2	dark reddish brown coarse sands, some gravel, some med sands to fine sands (oil stain)	25% rec
155	14			10-11				
	15	4	G	6-13	firm/Wet	10	coarse sands, some gravel, dark brown, black, oil pressure little silt	50% rework
	16			23-46				
245	17	5	G	18-8	firm/wet	5	as above, less oil smell no gravel, more silt and m + sheds.	50% rec
	18			7-10				
	19	4	G	10-8	firm/wet	0	med to dark reddish brown coarse to med sands, some m-f sands tr. silts no odors	100% rec.
300	20			7-9				
	21	7	G	9-12	firm/wet	0	as above with increasing silt and fine sands no odors.	100%
	22			13-14				
315	23	8	G	13-16	firm/wet	0	as above, no odors.	100%
	24			17-20				

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

Fleming-  
Lee Shue

Environmental Management &  
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226 West 26th Street  
New York, N.Y. 10001  
212-675-3225

CLIENT: 1800 Park Avenue LLC

Boring No.

Project No.: 10052-001

H.H. #78

Site Location: Harlem Hotel Site  
1800 Park Ave., East Harlem

Date: 8/27/2004

Driller: Aquifer Drilling & Testing

Geologist: Curt Schmidt, P.G.

Equipment: PID

STARTED 0730  
FINISHED

Depth (feet)	Sample		Blow Counts (per 6 inches)	Density/ Moisture	PID (ppm)	Field Identification of Soil	Remarks
	No.	Type					
0	-	-	-	-	-	ASPHALT PAVEMENT AND CRUSHED STONE	
2	-	-	-	-	-		
3	-	-	-	-	-	ASSORTED CONSTRUCTION DEBRIS GRAVEL, STONE, BRICK, WOOD AND CONCRETE PIECES	CASING STARTED @ 5'
8	-	-	-	-	-		
9	1	G	3-8	loose wet	0	med brown med to coarse sands some gravel, tr, m-f brown sands	25% rec
10			6-8				
11	2	G	12-13	loose wet	0	med brown coarse sands, some m-f brown sands, little silt	25% rec
12			18-27			tr brick and gravel	
13	3	G	21-14	loose wet	0	as above	10% rec.
14			11-11				
15	4	G	11-13	loose wet	0	med to dark gray, black, brown gravel to coarse sands, little m-f sands, <del>tr</del> silt	2' recovery
16			15-13				
17	5	G	15-12	firm wet	4	dark brown, gray coarse sands, tr to med sand, some fine and silt	50% rec.
18			14-10			no oil present	
19	6	G	13-10	firm wet	0	med reddish brown med to fine sands, some coarse sands, little silt	75% rec
20			9-8				
21	7	G	10-10		0	coarse sands dark gray, brown gravel, some med sands no oil present	50% rec
22			9-10		0		
23	8	G	18-21		0	med reddish brown med to fine sands, some silt, little clay no oil present	100% rec.
24			37-47				
25	9	G			0	END OF BORING AS ABOVE	100% rec.

Legend: MC = macrocore; SS = Split Spoon; HA = hand auger; HSA = hollow-stem auger;  
tr. = trace = 0-10%; l. = little = 10-20%; s. = some = 20-35%; and = 35-50%;  
(+) = upper end; (-) = lower end of limit  
c = coarse; m = medium; f = fine

# **APPENDIX B**

## Laboratory Analytical Results

# **APPENDIX C**

## **Qualitative Human Health Exposure Assessment**