VOLUNTARY CLEANUP PROGRAM
SITE ASSESSMENT REPORT AND
CONCEPTUAL REMEDIAL WORK PLAN
124 -136 SECOND AVENUE
BROOKLYN, NEW YORK
SITE #V00405-2

Prepared For:

Forest City Ratner Companies
One Metrotech Center
Brooklyn, New York

Prepared By:

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January 2001

157629

1. INTRODUCTION

This report presents the results of the testing performed in accordance with the Voluntary Cleanup Program Sampling and Analysis Plan (SAP) prepared by Nelson, Pope, and Voorhis dated March 31, 2000, as modified based on discussions with NYSDEC and NYSDOH at a December 1, 2000 meeting at Region 2 and subsequent communications and also presents a conceptual work plan for remediation of the site.

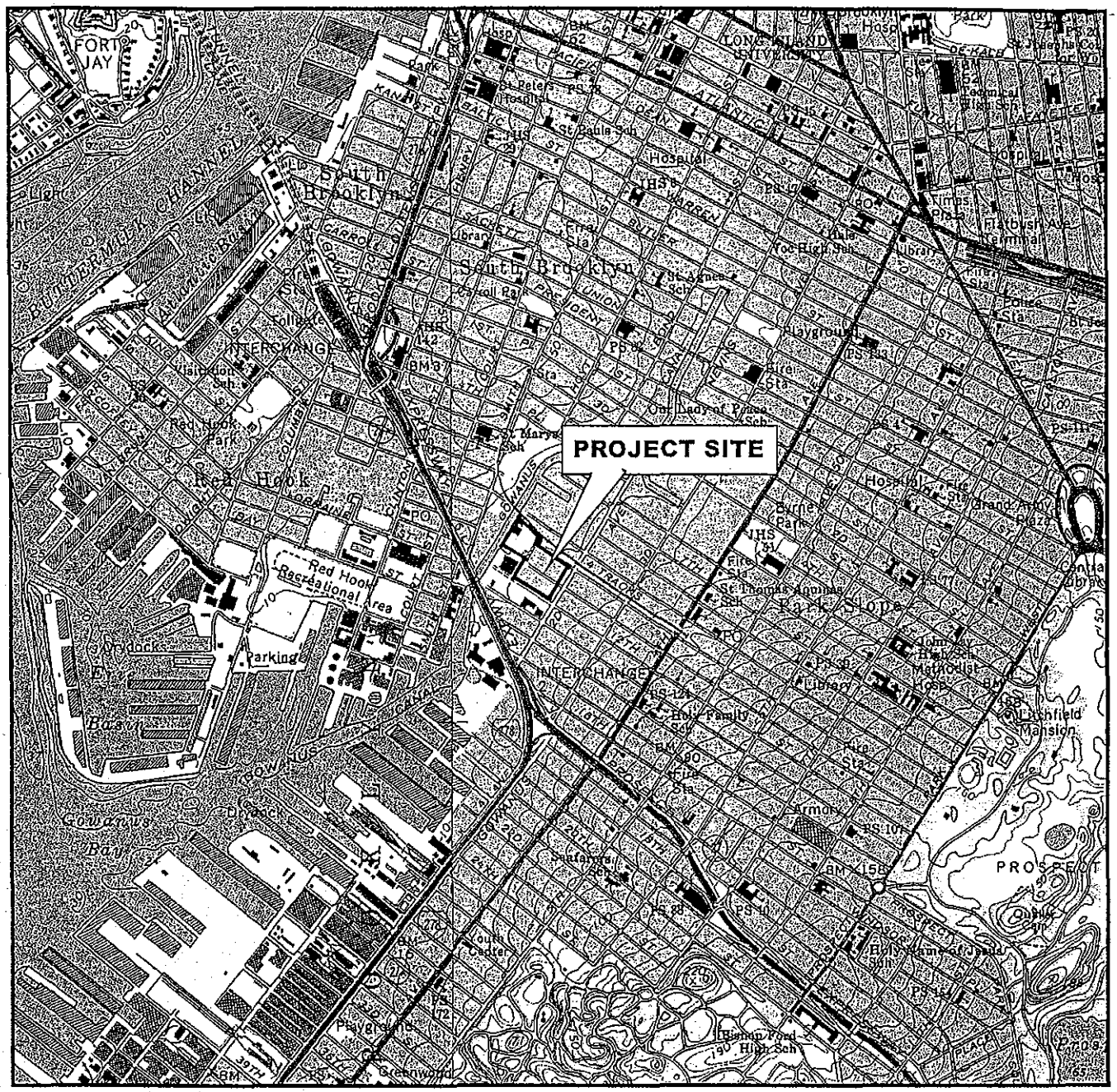
The general aims of the testing program were:

- To determine the contents of the former gasholder structures.
- To determine whether coal tar is present in soils outside the gasholders.
- To determine whether there is mobile coal tar in the subsurface soils which would be expected to migrate off-site.
- To determine the effect of on-site releases on groundwater quality.
- To determine whether metals contamination exists in the former paint factory area at the corner of 10th Street and Second Avenue.
- To determine whether there are any potential significant health risks to future users of the site.

2. PROJECT SITE

2.1 Site Description

The site is located on the west side of Second Avenue between 10th Street and 12th Street in Brooklyn, New York (see Figure 1 and Figure 2). The total area of the site is about 9.4 acres. The southern portion of the site, between 11th and 12th Streets, is vacant and unpaved. This area was the location of the recent remedial actions discussed below. The northeast portion of the site, between 10th and 11th Streets, is occupied by the concrete frame of a partially-demolished building formerly occupied by the US Postal Service. The northwest portion of the site, between the building frame and the Gowanus Canal, is vacant and paved. The surrounding area is primarily industrial and commercial except for a retail development containing a supermarket, restaurant, and some other stores and offices which directly abuts the site on the northwest. The



SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAP - BROOKLYN, N.Y.
QUADRANGLE - DATED 1967, PHOTOREVISED 1979.

N

124-136 SECOND AVENUE

Brooklyn, New York

PROJECT SITE LOCATION

AKRF Engineering, P.C.

Environmental & Engineering Consultants

117 East 29th Street New York, N.Y. 10016

DATE 01.10.01

PROJECT No. 80030

FIGURE No. 1

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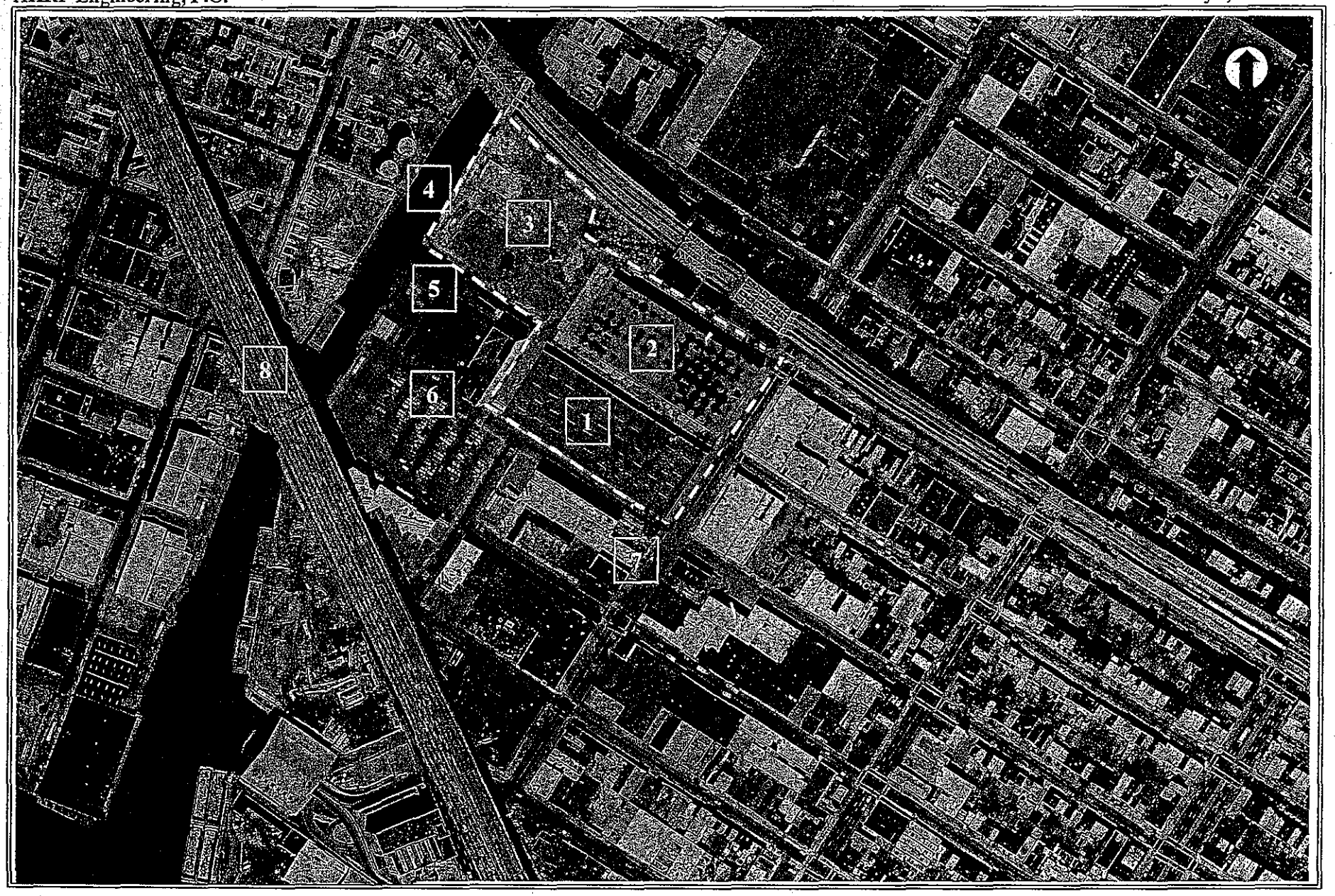


KEY

1. Former USPS Vehicle Maintenance Facility, now demolished. Former gasholder area.
2. Former USPS Detached Mail Unit building, now partially demolished.
3. Northeast portion of site.
4. Gowanus Canal
5. 11th Street Basin
6. Hamilton Plaza shopping mall and parking lot.
7. Second Avenue
8. Gowanus Expressway

Project Site (Not to Scale)

FIGURE 2
1996 AERIAL PHOTOGRAPH OF SITE AREA

site is bordered on the north by the Gowanus Canal.

2.2 Site History

The site history is described in detail in the 1997 Phase I Environmental Site Assessment and is briefly summarized here. The southeast portion of the site, along with adjacent properties to the south and west, was occupied by a Brooklyn Union Gas Company manufactured gas plant from prior to 1886 until about 1938 (see Figure 3, 1915 Sanborn Insurance Map). Other past uses on the site include an asphalt plant, which occupied the northwest portion of the site, and a paint factory, which was located at the northeast corner of the site.

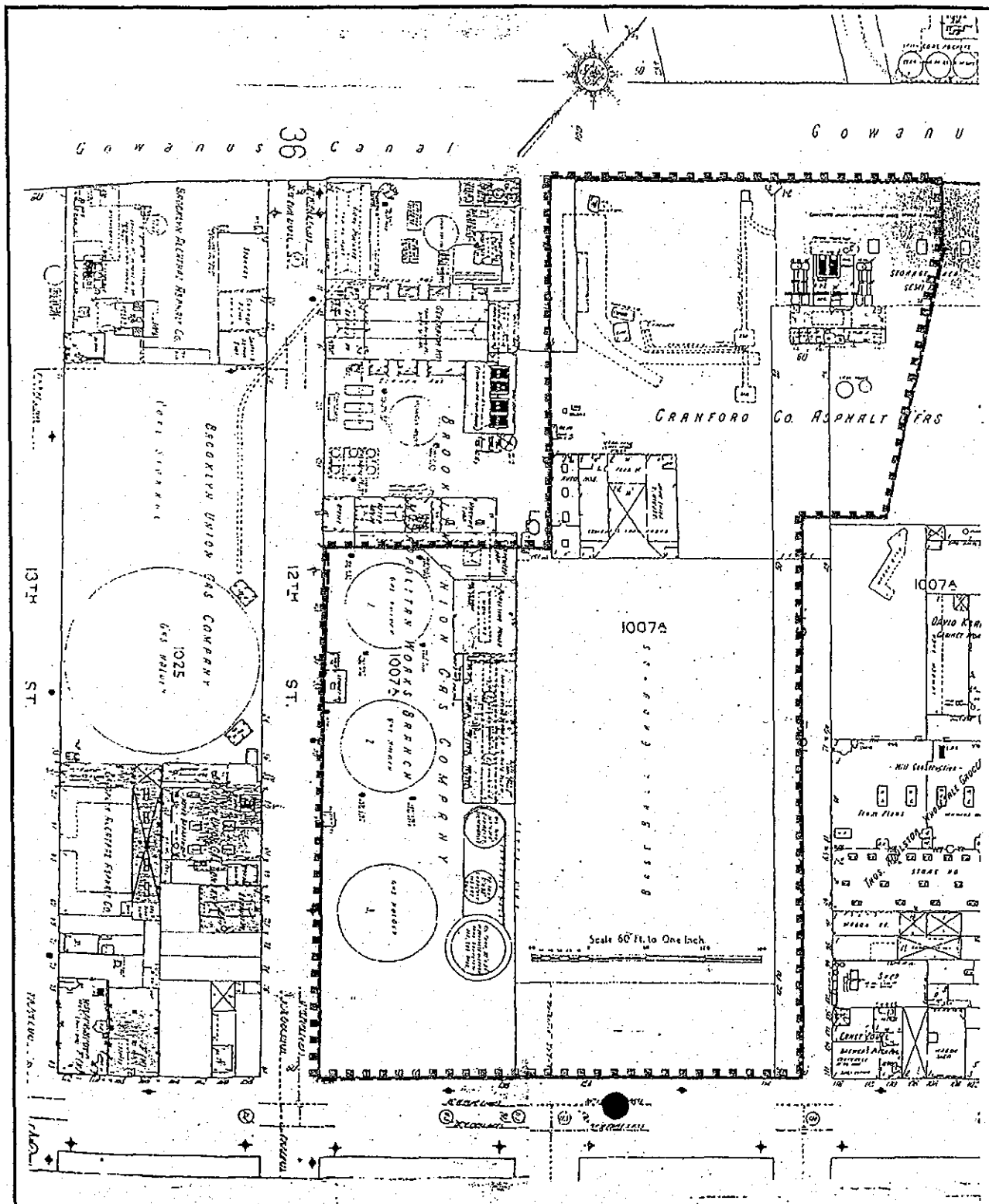
Around 1952, the US Postal Service took over the site and constructed two large buildings along Second Avenue, a vehicle maintenance facility on the southeast portion of the site and a parcel post facility known as the detached mail unit on the northeast portion of the site. The northwest portion of the site was used for storage and parking. The Postal Service vacated the site in 1992. In 1999, the vehicle maintenance facility was demolished and the detached mail unit building was partially demolished.

2.3 Geology and Hydrogeology

Information on site geology was obtained from the borings performed for this and previous environmental assessments, from prior borings prepared for geotechnical studies, and from geotechnical studies performed for the New York City Department of Transportation for reconstruction of the Ninth Street Bridge over the Gowanus Canal. (Their information was not presented in the prior Nelson & Pope reports.)

There is a meadow mat layer (peat/organic clay/silt) which is about 15 to 20 feet below the ground surface and is from 4 to 10 feet thick. This meadow mat layer is continuous with the layer that forms the bottom of the Gowanus Canal. Below that are layers of sand, of silt, and of clay. However, the stratigraphy is very variable from one boring location to the next, and apart from the meadow mat layer, none of the low permeability layers appears to be continuous across the site. Bedrock is at about 180 feet below grade.

The groundwater surface is at about 4 feet below the current grade. Information available to date indicates that shallow groundwater flow is towards the Gowanus Canal. This will be confirmed when the wells are surveyed. Proposed further groundwater studies are described in Section 7.2.



124-136 SECOND AVENUE
Brooklyn, New York

1915 SANBORN MAP

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DATE	PROJECT No.	FIGURE No.
01.17.01	80030	3

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former site of the vehicle maintenance facility was backfilled with demolition debris and clean fill. (In this and other reports from 1999 and 2000, the site is referred to as Brooklyn Commons, which was the name of the proposed site development at that time.)

Additional testing was also performed on the site of the detached mail unit building, on the northeast portion of the site. The results of that testing, reported in a Supplemental Phase II Environmental Site Assessment (Nelson, Pope & Voorhis, July 2, 1999), showed much lower levels of volatile and semivolatile organic compounds than were detected in the vehicle maintenance facility area. No other parameters were analyzed for in this area.

4. SAMPLING AND ANALYSIS PLAN

The testing program on the site followed the Voluntary Cleanup Program Sampling and Analysis Plan (SAP) prepared by Nelson, Pope, and Voorhis dated March 31, 2000, as modified based on discussions with NYSDEC and NYSDOH at a December 1, 2000 meeting at Region 2 and subsequent communications. The sampling locations are shown on Figure 4, and the sampling plan is outlined below. Sampling methodologies are described in Section 5 below.

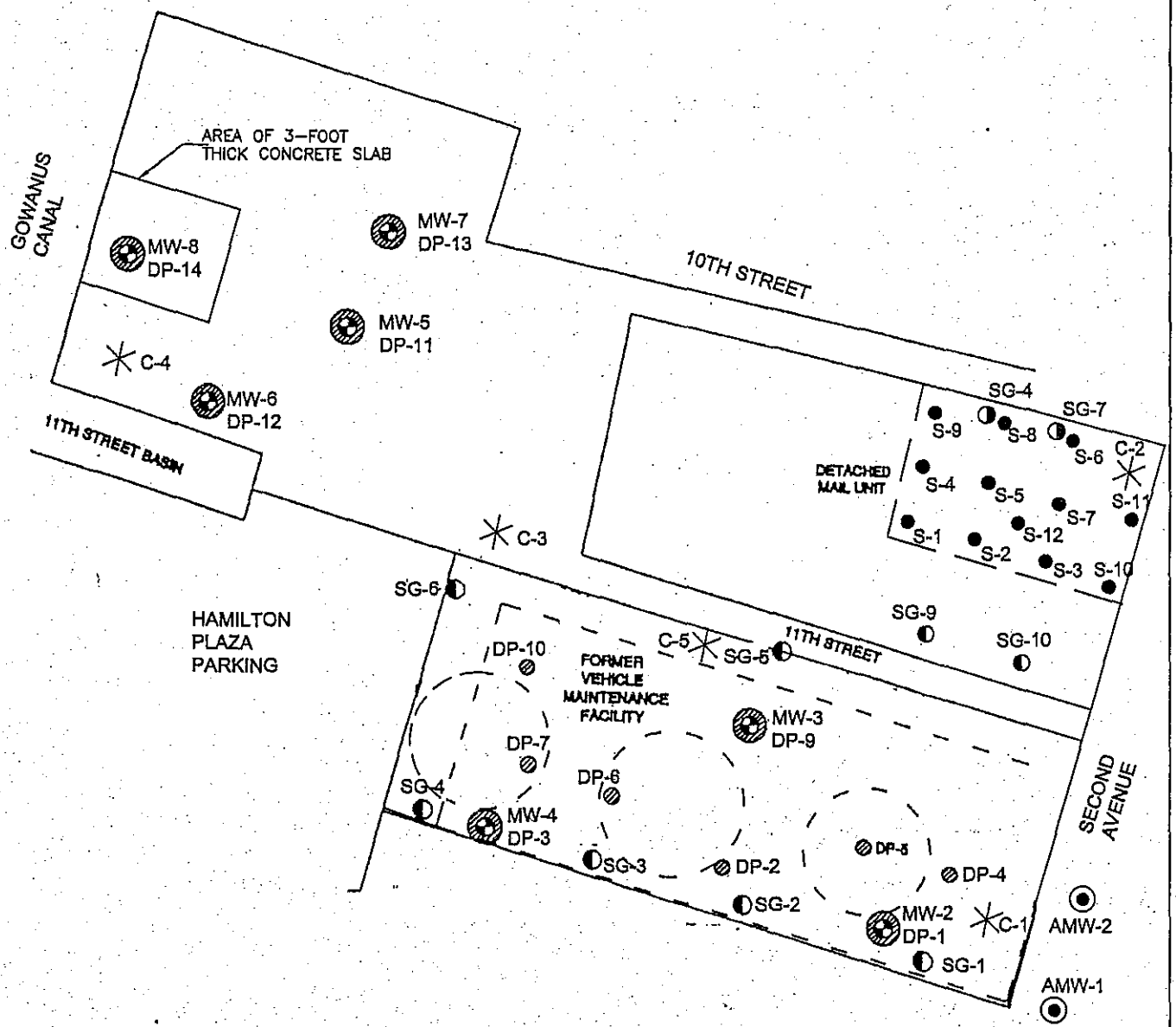
4.1 Soil Sampling

4.1.1 Subsurface Soils

Subsurface soil sampling was intended to determine the extent of coal tar contamination within and adjacent to the gasholders and on the northwest portion of the site. Subsurface soils were sampled at locations DP-1 to DP-13. The subsurface sampling locations followed the original SAP, except that, at DEC's request, the locations within the gasholders were moved from the center of each gasholder to near the periphery. Boring logs are shown in Appendix A.

At three intended sampling locations, DP-5, DP-8, and DP-14, it was not possible to advance a boring. DP-5 was intended to be within Gasholder 3. As noted above, the steel roof of this gasholder is largely intact, and all attempts to advance a boring met refusal at five feet or less below grade. DP-8 was intended to be just to the north of Gasholder 3. All boring attempts in this area also met refusal. At DP-14, there is a massive concrete foundation at least three feet thick.

At each subsurface sampling location, soil samples were collected continuously from the soil surface down to 25 to 30 feet below grade, except at the locations within the gasholders, where the borings terminated at the gasholder bottom, about 20 feet below grade. At one location, DP-9, the boring was extended beyond 30 feet to assess the total vertical extent of coal



LEGEND

- PROPOSED CLUSTER WELLS
- SOILGAS SAMPLING LOCATIONS
- SOIL SAMPLING LOCATIONS
- SOIL & GROUNDWATER SAMPLING LOCATIONS
- METAL SAMPLING LOCATIONS
- EXISTING MONITORING WELLS

Not to Scale

SAMPLING LOCATION SITE PLAN

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124-136 SECOND AVENUE
New York, New York

DATE: 1/11/01

FIGURE NUMBER: 4

tar contamination. Two soil samples from each boring were selected for analysis: one from the bottom of the boring and one with the highest volatile organic level as estimated by field screening with a photoionization detector. Subsurface soil samples were analyzed for volatile and semivolatile organic compounds, for TCLP benzene, for cyanide, and for reactive sulfide.

4.1.2 Surface Soils

Surface soil samples were collected from locations S-1 to S-12, and locations DP-11 to DP-13. The samples from S-1 to S-12 were intended to detect potential contamination from a former paint factory operation at the northeast corner of the site. These samples were analyzed for priority pollutant metals and TCLP metals. Because the floor slab of the partially-demolished former postal service building on this portion is about three feet above the surrounding grade, these "surface" samples were actually collected from 3 to 5 feet below the slab in order to sample the soil formerly at grade.

The samples from locations DP-11 to DP-13 were intended to detect potential contamination from former asphalt plant operations in the northwest portion of the site. At these locations the surface samples were collected from just below the pavement. These samples were analyzed for volatile and semivolatile organic compounds, for TCLP benzene, for total organic carbon, for cyanide, and for reactive sulfide.

4.2 Groundwater Sampling

Groundwater monitoring wells were installed at locations MW-2 through MW-8. Well construction logs are in Appendix A. Upgradient groundwater samples were collected from two existing monitoring wells, designated AMW-1 and AMW-2 located on the sidewalk on the west side of Second Avenue between 11th and 12th Streets.

4.3 Soil Gas Sampling

Soil gas sampling points have been installed at locations SG-1 through SG-10. However, soil gas sampling has not yet been performed. Because the water table on the site is only about four feet below the surface, soil gas sampling points have had to be set less than three feet below grade. It has not been possible to collect soil gas samples to date because recent rain or snows have kept the shallow soils saturated. Results of soil gas testing will be reported in a supplemental report.

5. SAMPLING METHODOLOGY

5.1 Soil Sampling

Soil sampling was begun using a hollow-stem augur and split-spoon samplers as described in the SAP. However, it was found that sample recoveries were poor when sampling at depths of ten or more feet below the groundwater, because samples washed out of the spoon while being withdrawn. After some experimentation, and consultation with DEC, it was found that a geoprobe sampler could be used and gave improved sample recoveries. A two-inch diameter steel sampling probe was driven by a vehicle-mounted hydraulic hammer to the desired depth. The probe was then opened and driven another four feet deep to collect the sample in a cylindrical teflon liner within the probe. The probe was then withdrawn and the liner removed. Holes were cut in the liner to screen the soil column for volatile organic compounds using a photoionization detector. The selected samples were containerized and stored in accordance with applicable EPA or NYSDEC analytical protocols. After collection, each container was properly labeled, sealed, and refrigerated for shipment to the laboratory. All sampling equipment was decontaminated before its use.

5.2 Groundwater Sampling

The monitoring wells were drilled using a hollow-stemmed auger and consisted of four-inch Schedule 40 PVC casing in a 6¼-inch augured hole. A PVC screen (0.020 inch slot) was installed from two feet above the groundwater surface down to one foot above the bottom of the well. A one-foot long sump of four-inch PVC casing formed the bottom of the well.A filter pack of sand (US Std sieve sizes 30 to 8) was be placed in the annular space around the screens and extended two feet above the screen.

The annular area around the well casing was sealed with bentonite pellets for an interval of one to two feet above the filter pack. A grout, consisting of a cement and bentonite mixture or an anti-shrink mixture, extended from the bentonite pellet seal to a level 0.5 feet below ground. The remaining annular space was sealed with a concrete cap and well apron (expanding cement). A locking well cap was installed upon completion of the well.

The wells were developed the day after they were drilled by pumping. Dedicated PVC tubing was used. The wells were developed until the turbidity of the water sample, as measured by a nephelometer, became less than 50 Nephelometric Turbidity Units (NTU) or at least 15 well volumes of groundwater were pumped out. The new wells were not sampled for at least seven days after development.

Before sampling the new wells, water levels were measured using an electronic water level

indicator. A dedicated bailer was used for sample collection. A minimum of three well volumes were purged from the well before sampling. Samples were not collected until the water was visually free of suspended materials and the pH, temperature, and conductivity readings were stabilized.

All water samples were containerized and stored in accordance with applicable EPA or NYSDEC analytical protocols. After collection, each container was properly labeled, sealed, and refrigerated for shipment to the laboratory. All sampling equipment was decontaminated before its use.

6. TESTING RESULTS

All laboratory analyses were performed by Severn Trent Laboratories, Inc. of Buffalo, a New York State ELAP-certified laboratory. Full laboratory deliverable packages, including QA/QC results and a Data Usability Summary Report will be transmitted to DEC under separate cover. The results are tabulated in Appendix B.

6.1 Soil Samples

The soil samples are designated by their sampling location and depth below grade. For example, DP-9 (24-28) is a sample from a depth of 24 to 28 feet below grade from boring DP-9.

6.1.1 Subsurface Soil

Soil samples were collected within Gasholders 1 (DP-6) and 2 (DP-7). Drilling at Gasholder 3 was not successful because borings were blocked by the steel roof. However, test excavations at Gasholder 3 showed material similar to that observed in Gasholders 1 and 2. The gasholders were filled with soil and some wood fragments (in Gasholder 2). All the soil was heavily contaminated with coal tar. Coal tar appeared as free product in the soil in the bottom 8 to 10 feet of Gasholders 1 and 2. In Gasholder 1, the sample from the 16 to 18 foot depth exceeded the TCLP benzene standard (500 parts per billion) for hazardous waste classification while the sample from the 12 to 14 foot depth was just below the standard. In Gasholder 2, both the 8 to 10 foot sample and the 16 to 18 foot sample exceeded the TCLP benzene standard. Levels of total volatile organic compounds in the soil samples from the gasholders were very high. Benzene levels ranged from 48 to 340 parts per million, and ethylbenzene levels ranged from 110 to 600 parts per million. Levels of semivolatile organic compounds were also very high, with levels of many individual polycyclic aromatic hydrocarbons (PAH's) ranging from 100 to 1000 parts per million, and naphthalene levels ranging from 860 to 4600 parts per million. No significant cyanide or sulfide levels were detected.

The borings outside the gasholders showed the presence of coal tar in soils at the west end of the gasholder area, near Hamilton Plaza, and much lower levels of contamination in the borings to the east, near Second Avenue (DP-1 and DP-4). At boring locations DP-9 and DP-10, which are just north of Gasholders 2 and 1 respectively, free product was observed in the soils below the meadow mat layer. Samples from each of these locations exceeded the TCLP benzene standard. At DP-9, the boring was extended downwards to locate the bottom of the coal tar contamination. At this location, a dense till was encountered at a depth of about 35 feet, and there was no evidence of coal tar contamination below 40 feet.

Boring location DP-3, which is just west of Gasholder 1, is the only location where free product was observed in the soil both above and below the meadow mat layer. Although there were no exceedances of the TCLP benzene standard, high levels of volatile and semivolatile organic compounds were detected in both the sample from 6 to 8 feet and the sample from 24 to 28 feet.

No evidence of coal tar contamination was observed in the borings performed on the northwest portion of the site, near the Gowanus Canal except at location DP-12 (near the 11th Street basin) at a depth of 31 feet below grade. The sample from this level contained elevated levels of benzene and ethylbenzene. Levels of volatile and semivolatile organic compounds in the other samples from this portion of the site were significantly lower. Trace levels (less than 1000 parts per billion) of chlorinated solvents were detected in the DP-12 (4-6) sample.

6.1.2 Surface Soil

The levels of metals detected in the surface soil samples from the paint factory area are typical of urban fill and are not indicative of impacts from the former paint factory operations. However, field observations indicated that the soil was stained had an organic odor. One typical sample, S-3 (3-5), was analyzed for volatile organic compounds and elevated levels of naphthalene, 1,2,4-trimethylbenzene, and other compounds were detected.

The surface samples from the borings on the northwest portion of the site (DP-12 and DP-13) show no evidence of coal tar contamination.

6.2 Groundwater Samples

The groundwater samples are designated by well number: AMW-1, AMW-2, and MW-2 to MW-8. Benzene concentrations greater than 25 parts per billion were detected at three locations: AMW-2, MW-2, and MW-4. MW-4 is at the location just west of and adjacent to Gasholder 1 where coal tar was detected in shallow soils (above the meadow mat layer). AMW-2 and MW-2 are on the Second Avenue side of the gasholder area.

6.3 Conclusions

The overall conclusions of the study are as follows:

- All three gasholders are filled with soil which is heavily contaminated with coal tar. It is expected that most of the soil within the gasholders would be classified as hazardous waste because of the TCLP benzene level. All this contaminated soil is below the groundwater level and would be difficult to excavate for a variety of reasons. To remove the material it would be necessary to dewater the gasholder areas down to a depth of at least 20 feet. Given the closeness of the area to the Gowanus Canal, and the likelihood of other adjacent contamination sources, this would require the treatment of large volumes of contaminated water. More seriously, excavation of the gasholders would result in emissions of benzene and other volatile organic compounds which would be very difficult to control. There is a restaurant and busy supermarket right next to the gasholders, as well as workers in businesses across the street.

- There has been leakage of coal tar on the site. Since most of the contamination is observed below the meadow mat layer, it is likely that the leakage is through the bottoms of the gasholders, which extend below this layer. Soil contamination above the meadow mat was only observed in boring DP-3 near 12th Street.

- Coal tar has apparently migrated in the direction of the Gowanus Canal, as indicated by the presence of coal tar in the soil at 32 feet below grade at location DP-12 near the 11th Street basin. However, if mobile coal tar is still present, it is too deep to appear in the monitoring wells, which extend down to 25 to 34 feet below grade.

- The monitoring well screens extend through the meadow mat layer, but it is likely that the samples are primarily representative of the shallow groundwater above the meadow mat. Elevated benzene levels were only detected in groundwater in two areas: on the south side of Gasholder 1 and to the east of Gasholder 3. The area near Gasholder 1 is a known "hot spot" where coal tar is present in the shallow soils. Another such "hot spot" may exist on the east end of the site.

7. CONCEPTUAL REMEDIATION PLAN

7.1 Overview of Remediation Plan

The proposed remediation is *in situ* treatment of the soil contained within the gasholders to

remove coal tar by hot water flushing and to remove additional volatile organics by vapor extraction. After treatment, the soil will be stabilized to immobilize any remaining contaminants. "Hot spots" of shallow coal tar-contaminated soil (above the meadow mat layer) will be excavated for off-site treatment and disposal. Any enclosed structure constructed above the former gasholder area will be designed with a vapor barrier and sub-slab vapor collection system.

Residual coal tar remaining below the meadow mat layer is isolated from the surface, from the shallow groundwater, and from the Gowanus Canal (since the meadow mat is continuous with the silt layer forming the bottom of the canal). Additional groundwater studies will be performed to define the extent of the deep subsurface coal tar.

7.2 Supplemental Remedial Investigation

7.2.1 Delineation of "Hot Spots"

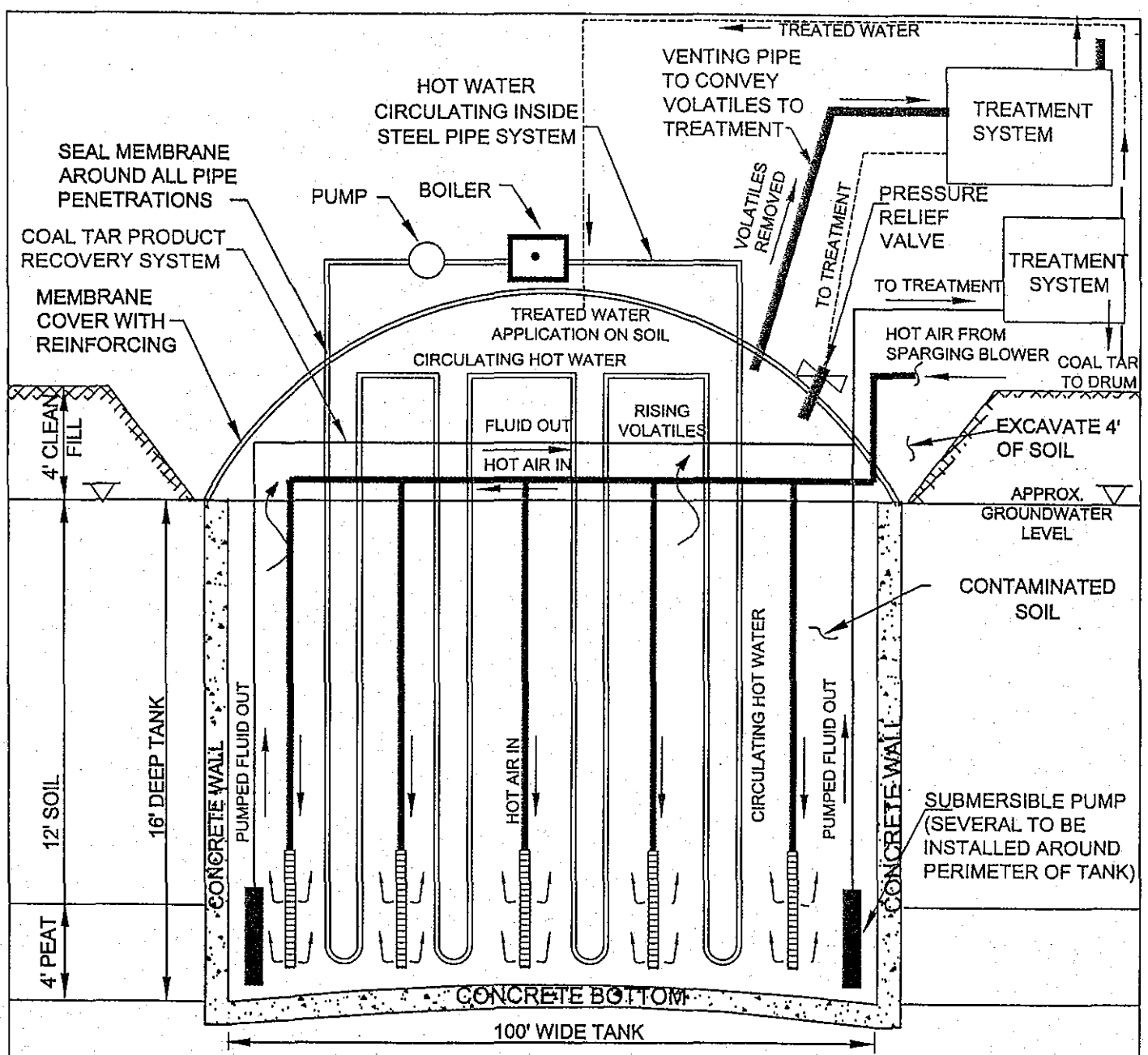
The horizontal and vertical extent of coal tar contamination in the shallow soil will be delineated by sampling on a 40-foot grid in the area surrounding the gasholders (between 11th and 12th Streets from Second Avenue to the property line). Continuous soil sampling will be performed using a Geoprobe soil probe. Soil samples will be screened in the field and analyzed for benzene and ethylbenzene by Method 8021.

7.2.2 Supplemental Groundwater Study

Supplemental groundwater studies will be performed to confirm the groundwater flow directions in both the shallow and deeper aquifers. Cluster wells will be installed at four locations on the site as shown in Figure 5. Each cluster will consist of one well screened in the shallow aquifer above the meadow mat, and one well screened in the deeper aquifer at a depth of 30 to 35 feet below grade. The well elevations will be surveyed and groundwater elevations will be measured at two hour intervals over a twelve-hour tidal cycle. High and low tide groundwater gradients in both shallow and deeper aquifers will be determined, as well as any gradient between the shallow and deeper aquifers. Groundwater samples will be collected from each well and analyzed for benzene and ethylbenzene by Method 8021.

7.2.3 Samples for Pilot Testing

Using an excavator, large scale samples of coal tar-contaminated soil from one or more of the gasholders will be collected for pilot testing. Soil samples will be obtained from different levels within the gasholder.



LEGEND:

- HOT WATER HEATING SYSTEM
- STEAM SPARGING SYSTEM
- COAL TAR PRODUCT RECOVERY SYSTEM
- VENTING TO TREATMENT SYSTEM

NOT TO SCALE

REMEDIATION PLAN SCHEMATIC
STEP 1 - FLUSHING SYSTEM

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124–136 2nd Avenue

FIGURE NUMBER: 5

7.2.4 Gasholder Delineation

In order to determine the profile of the bottoms of the gasholder bases, a Geoprobe rig will be used to drive a probe at 10-foot intervals across the diameter of each of the gasholders. The depth to the bottom from a surface baseline will be measured at each location.

7.3 Bench-Scale Pilot Testing

Samples of the coal-tar contaminated soil from the gasholders will be tested to determine parameters required for the remedial design. Laboratory bench-scale pilot testing will be used to determine the mobility of the coal tar at various temperatures and the degree to which soil can be flushed of coal tar and stripped of volatile organic compounds. Following treatment, the residue will be tested to determine a preferred mix of stabilizing agents. Agents used to stabilize coal tar soils include lime, kiln dust, coal dust, and portland cement.

7.4 Design of In-tank Stripping System

Based on the results of the pilot studies, the in-tank stripping system will be designed. As shown in Figure 5, the system will comprise three components:

1. A closed system of hot water pipes connected to a boiler to heat the saturated soil within the gasholder. The increased temperature is intended to increase the mobility of the coal tar and also to increase the volatilization of benzene and other volatile organic compounds.

2. A series of pumps around the periphery of the bottom of the tank to pump out water and coal tar to a treatment system. The treatment system will separate coal tar from the water, strip volatiles from the water, and then return the water to the center of the tank.

3. A system to blow air into the tanks to accelerate the removal of benzene and other volatile organic compounds. The tank will be vented into an air treatment system (either activated carbon or thermal oxidizer) to remove volatiles from the air.

7.5 Stripping System Installation and Operation

The stripping systems will be installed in each of the three gasholders, tested, and operated. The systems will be run until they are no longer collecting significant quantities of coal tar and volatiles, i.e. recovery less than 1 percent of initial level of total VOC's.

7.6 Hot Spot Removal

At locations where "hot spots" of coal tar contamination are identified in shallow soils above the meadow mat, contaminated soil will be excavated and transported off-site for proper disposal. Post-excavation sampling will be performed to confirm that all soils exceeding the TCLP benzene standard have been removed from these hot spots.

7.7 Residue Stabilization

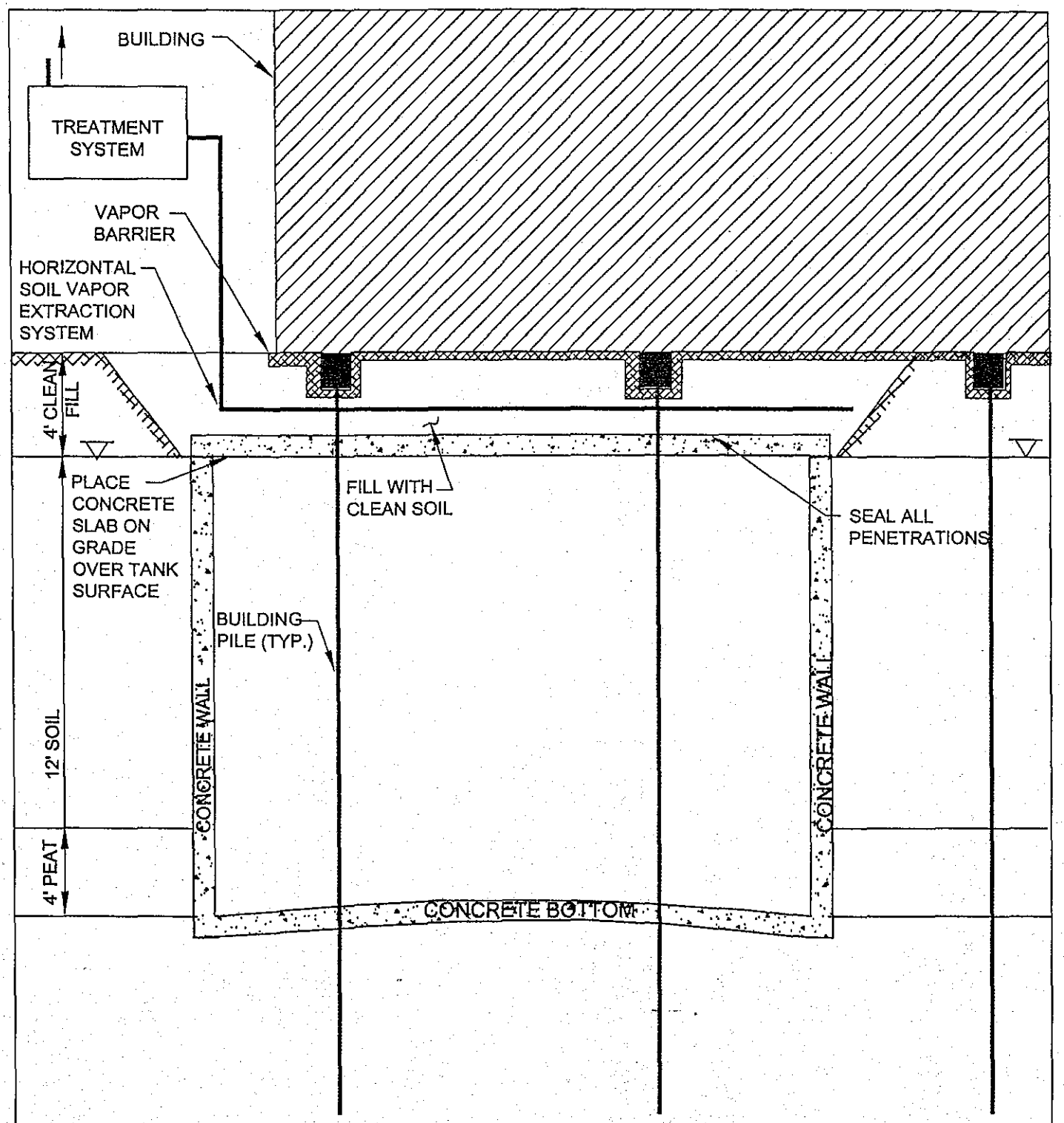
The soil in the gasholders will be resampled following the conclusion of the stripping system operation to readjust, if necessary, the mix of stabilizing agents derived from the bench testing. A crane-mounted large- diameter soil augur will be used to mix the stabilizing agent into the soil in overlapping columns. The stabilized soil will then be resampled to confirm that no significant levels of leachable volatile or semivolatile organic compounds

7.8 Vapor Barrier

As shown in Figure 6, the design for any enclosed structure to be built above the former gasholder area will include both a vapor barrier and a sub-slab vapor collection system. The systems will be designed to prevent any potential infiltration of residual vapors into the buildings.

7.9 Groundwater Monitoring

Post-remediation groundwater monitoring will be performed using the cluster wells, or substitute wells installed after development of the site. The purpose of the sampling will be to confirm that contamination in the shallow groundwater is stabilized or decreasing. Groundwater samples will be collected quarterly from each well and analyzed for benzene and ethylbenzene by Method 8021. If no increases are observed in concentrations of volatile organic compounds in the shallow aquifer, then monitoring will be discontinued after four quarters.



LEGEND:

PROPOSED BUILDING & FOUNDATION

SOIL VAPOR EXTRACTION SYSTEM

NOT TO SCALE

REMEDIATION PLAN SCHEMATIC
STEP 3 - SVE SYSTEM

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124–136 2nd Avenue

FIGURE NUMBER: 6

APPENDIX A

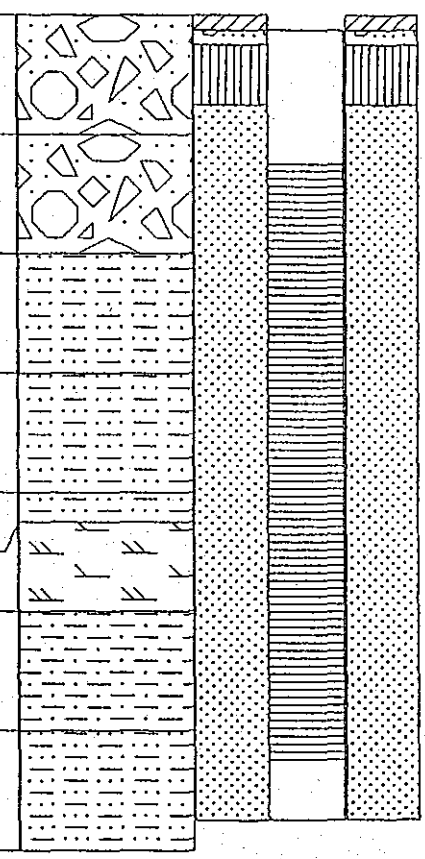
BORING LOGS AND WELL CONSTRUCTION DIAGRAMS

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER MW-2/DP-1

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	28 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/GEOPROB		
FIELD PARTY:	CHRIS BOSS		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/14/2000 DATE COMPLETED: 12/14/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.3	
Time	12:35	
Date	12/22/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: concrete and red brick fragments, ash, gray silty sand.		
	2		ND		FILL: concrete and red brick fragments, ash, gray silty sand.		
10.0	3		ND		SILTY SAND		
	4		ND		SILTY SAND		
	5		ND		SILTY SAND		
					PEAT: clay		
20.0	6		ND		SILT		
	7		ND		SILTY SAND		



AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER DP-2

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	28 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	GEOPROBE		
FIELD PARTY:	CHRIS BOSS/JAY SEALE		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/14/2000 DATE COMPLETED: 12/14/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0	
Time	10:10	
Date	12/14/2000	

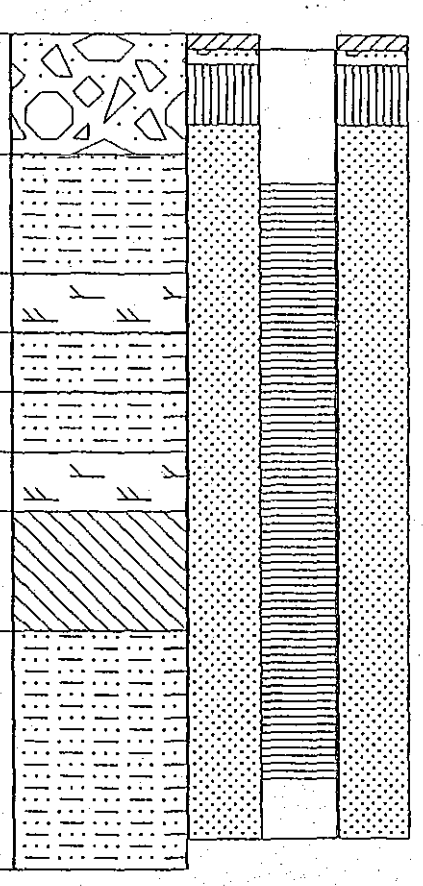
DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: concrete and red brick fragments, ash, black silty sand.		
	2		83	Strong odor			
10.0	3		4				
	4		ND		PEAT: With Clay		
	5		36				
20.0	6		40		SILT: Brownish gray to gray SILT		
	7		ND				
					SAND: Fine to medium SAND		

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER MW-4/DP-3

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	28 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/ GEOPROBE		
FIELD PARTY:	CHRIS MIGLIORE/JAY SEAL		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/13/2000 DATE COMPLETED: 12/13/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	3.0	
Time	12:15	
Date	12/23/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: Coal and red brick fragments, ash, gray silty sand.		
	2		14	Strong odor	SILTY SAND: Black		
	3				PEAT: CLAY		
10.0			17	Free Product	SILTY SAND: Black		
	4		2	Strong odor	SILTY SAND: Brown		
					PEAT: CLAY		
	5		20		CLAY: Very dense		
20.0	6		45		SILTY SAND: Dark gray		
			452	Free product			
	7						



AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER DP- 4

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	18 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER		
FIELD PARTY:	CHARLIE GUZZARDO		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/1/2000	DATE COMPLETED:	12/1/2000

STATIC WATER LEVEL (BLS)		
Depth (ft)	6.0	
Time	1:30	
Date	12/1/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1				FILL: Red brick fragments, ash, woo black silty sand.		
	2		250	Strong odor			
	3		200	Strong odor			
	4		50		CLAY: Little ash		
10.0	5		10		No Recovery		
	6		ND				
	7		ND		CLAY: With little Silt		
	8		20		PEAT		

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER DP-6

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	18 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER		
FIELD PARTY:	CHARLIE GUZZARDO		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	11/30/2000 DATE COMPLETED: 11/30/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	6.0	
Time	10:40	
Date	11/30/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0							
	1		ND		FILL: Red brick and concrete fragments, ash, wood, black silty sand.		
	2		25	Strong odor			
	3		389	Strong odor			
	4		243		SILTY SAND		
10.0	5		97				
	6		20				
	7		24				
	8		24	Bottom of the gas holder (Refusal) @18 Feet			

AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER DP-7

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	18 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER		
FIELD PARTY:	CHARLIE GUZZARDO		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	11/30/2000 DATE COMPLETED: 11/30/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	6.0	
Time	10:40	
Date	11/30/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0					FILL: Red brick and concrete fragments, ash, wood, black silty sand.		
	1		ND				
	2		ND		SILTY SAND: With some Gravel an Wood		
	3		ND				
	4		75	Strong odor			
10.0	5		161	Strong odor			
	6		82	Strong odor			
	7		166	Free product			
	8		84	Free product			

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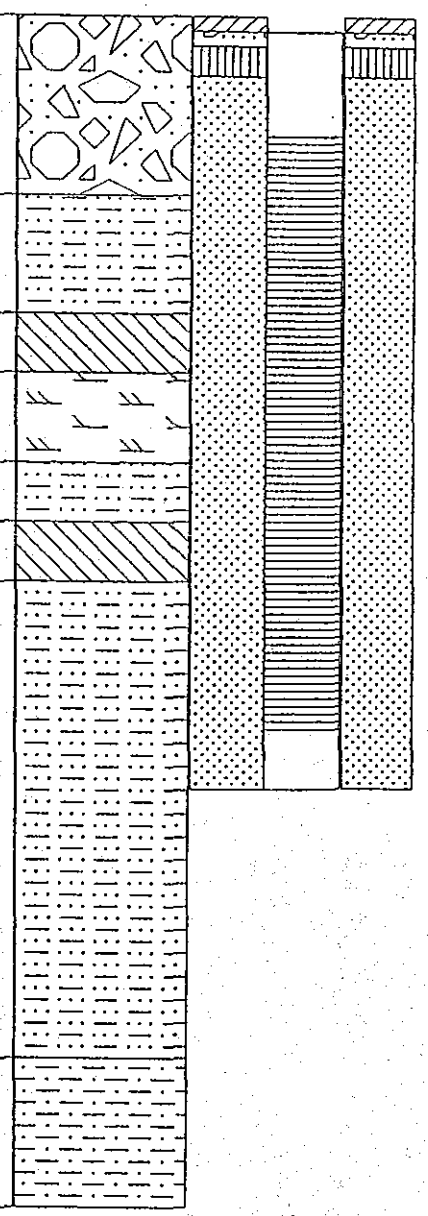
FIELD BOREHOLE LOG

BOREHOLE NUMBER: MW-3/DP-9

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	40 FEET
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/GEOPROBE		
FIELD PARTY:	JAY SALE		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/12/2000 DATE COMPLETED: 12/12/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.15	
Time	11:20	
Date	12/23/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		9		FILL: red brick and coal fragments, ash, black silty sand.		
	2		7		SILTY SAND: dark black		
10.0	3		ND		CLAY		
	4		ND		PEAT: Clay		
					SILTY SAND		
	5		ND		CLAY		
20.0	6		ND		SILTY SAND		
	7		43	Strong odor, free product			
30.0	8		94				
	9		10	slight petroleum odor			
	10		13	slight petroleum odor	SILT: Dense reddish brown silt		
40.0							



AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER DP- 10

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	28 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	GEOPROBE		
FIELD PARTY:	JAY SEALE		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/13/2000 DATE COMPLETED: 12/13/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.0	
Time	10:10	
Date	12/13/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: concrete and red brick fragments, ash, black silty sand.		
	2		89	Strong odor	SILTY SAND: Gray Silty Sand changed to reddish brown Silty SAnd		
	3		26	Strong odor	SILY SAND: Reddish brown Silty Sand with some pebbles		
10.0	4				SILTY SAND: Black		
					CLAY: Dense		
	5		40	Free product	CLAY: With little SAND		
			27	Free product	CLAY: Dense		
20.0	6		45	Free product	Refusal: Location moved 15 feet north		
					CLAY: Dense		
	7		189	Free Product	SILT: Reddish Brown SILT		
					SAND: Fine to medium SAND		

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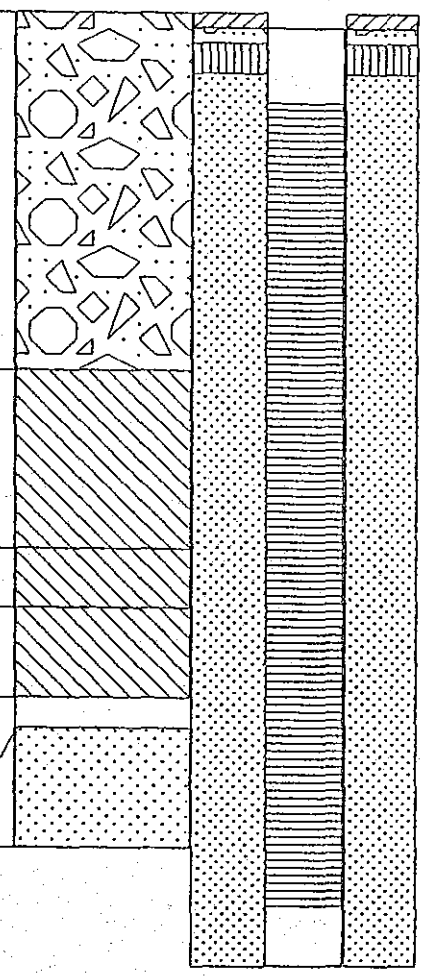
FIELD BOREHOLE LOG

BOREHOLE NUMBER
MW-5/DP-11

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	32 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/GEOPROBE		
FIELD PARTY:	CHRIS MIGLIORE/JAY SEAL		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/08/200	DATE COMPLETED:	12/08/2000

STATIC WATER LEVEL (BLS)		
Depth (ft)	5.3	
Time	2:45	
Date	12/22/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		202	strong odor	FILL: Coal and red brick fragments, ash, black silty sand.		
	2		ND				
10.0	3		ND				
	4		ND		CLAY: With little Silt		
	5		ND		CLAY: With little Peat		
20.0	6		ND		CLAY		
			ND		SANDY CLAY		
	7				SAND		
30.0							

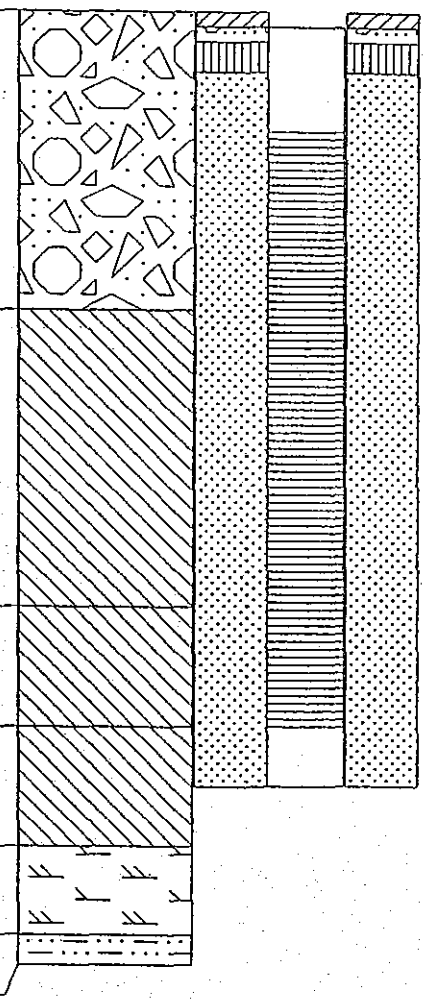


AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER MW-6/DP-12

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	32 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/GEOPROBE		
FIELD PARTY:	CHRIS MIGLIORE/JAY SEAL		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/6/2000	DATE COMPLETED:	12/6/2000

STATIC WATER LEVEL (BLS)		
Depth (ft)	4.95	
Time	10:30	
Date	12/23/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: Coal and red brick fragments, ash, black silty sand.		
	2		ND				
10.0	3		ND		CLAY: With little Silt		
	4		ND				
	5		ND				
20.0	6		ND		GLAY: Shell fragments		
			ND				
	7				CLAY: With little Silt		
30.0			ND		PEAT: With Clay		
			200	Free product	SILTY SAND		

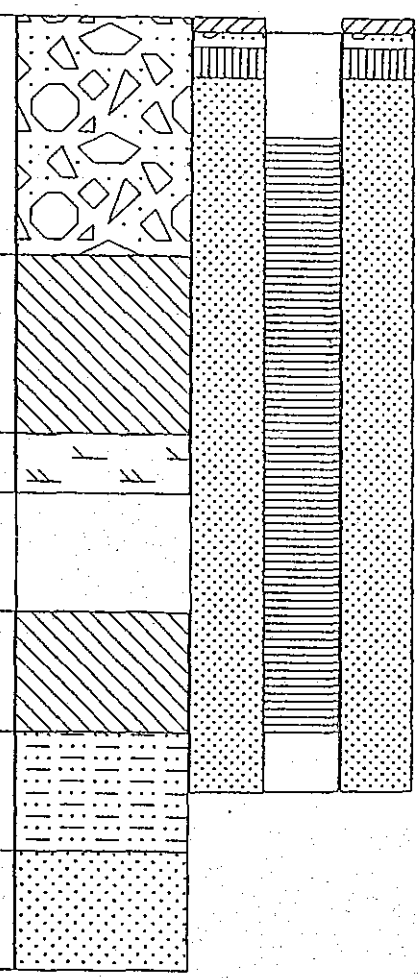


AKRF, INC. Environmental Consultants	FIELD BOREHOLE LOG	BOREHOLE NUMBER MW-7/DP-13

PROJECT NUMBER:	80030-0002	FIELD BOOK NO:	301
PROJECT NAME:	124-136 SECOND AVENUE	TOTAL DEPTH:	32 Feet
LOCATION:	BROOKLYN, NEW YORK	GROUND SURFACE ELEVATION:	0.0
DRILLING CO:	FENLEY & NICOL		
DRILLING METHOD:	HOLLOW STEM AUGER/GEOPROBE		
FIELD PARTY:	CHRIS MIGLIORE/JAY SEAL		
GEOLOGIST:	MOHAMED AHMED		
DATE BEGUN:	12/06/2000 DATE COMPLETED: 12/06/2000		

STATIC WATER LEVEL (BLS)		
Depth (ft)	2.8	
Time	1:15	
Date	12/22/2000	

DEPTH (ft)	SAMPLE NUMBER	BLOWS COUNT	PID/ppm	REMARKS	DESCRIPTION	LITHOLOGY	WELL INSTALLATION
0.0	1		ND		FILL: Coal and red brick fragments, ash, black silty sand.		
	2		ND				
10.0	3		ND		CLAY		
	4		ND		PEAT		
	5		ND		No Recovery		
20.0	6		ND		CLAY: With Peat		
	7		ND		SILTY SAND		
30.0	8		ND		SAND: Medium to coarse brown SAND with some Gravel		



AKRF, INC.

Environmental and Planning Consultants
117 East 29th Street ▪ New York, NY ▪ (212) 696-0670
FAX Number (212) 447-5546

Transmittal Form

Date: November 14, 2001

To: Forest City Ratner Companies
One MetroTech Center
Brooklyn, NY 11201

Attention: Andrew Miller

Job Title: Brooklyn Commons

Job Number:

Comments:

VCP Site Assessment Report and Remedial Investigation Report

Regards,

Andrew D. Rudko, Ph.D.
Vice President
AKRF, Inc.

APPENDIX B

LABORATORY ANALYSIS SUMMARY TABLES

TABLE 1
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-1 (8-12')	DP-1 (20-24')	DP-1D (20-24')	DP-2 (6-8')	DP-2 (20-24')	DP-3 (6-8')	DP-3 (24-28')
Lab Sample	A0935101	A0935103	A0935102	A0925001	A0925002	A0925003	A0925004
Date Sampled	12/18/2000	12/18/2000	12/18/2000	12/14/2000	12/14/2000	12/12/2000	12/12/2000
1,1,1-Trichloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,1,2,2-Tetrachloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,1,2-Trichloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,1-Dichloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,1-Dichloroethene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,2-Dichlorobenzene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,2-Dichloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,2-Dichloropropane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,3-Dichlorobenzene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
1,4-Dichlorobenzene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
2-Chloroethylvinyl ether	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Bromodichloromethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Bromoform	58 U	61 U	61 U	5500 U	60 U	580 U	570 U
Bromomethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Carbon Tetrachloride	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Chlorobenzene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Chloroethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Chloroform	28	28	31	1100 U	12 U	120 U	110 U
Chloromethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
cis-1,3-Dichloropropene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Dibromochloromethane	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Methylene chloride	18 J	20 J	30 J	1800 J	24 J	180 J	140 J
Tetrachloroethene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
trans-1,2-Dichloroethene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
trans-1,3-Dichloropropene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Trichloroethene	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Trichlorofluoromethane	58 U	61 U	61 U	5500 U	60 U	580 U	570 U
Vinyl chloride	12 U	12 U	12 U	1100 U	12 U	120 U	110 U
Benzene	350	12 U		U	4.3	U	9700
Ethylbenzene	57	12 U		860	1.4	5200	20000
TCLP BENZENE							
Benzene	7.6	1.4		1.4	20	74	4.2

TABLE 1 (continued)
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-10 (15-16')	DP-10 (24-28')	DP-11 (0-2')	DP-11 (6-8')	DP-11 (6-8')	DP-11 (24-26')	P-11 (24-26')
Lab Sample	A0925007	A0925008	A0903214	A0903215	A0903215RI	A0903216	A0903216RI
Date Sampled	12/13/2000	12/13/2000	12/01/2000	12/01/2000	12/01/2000	12/01/2000	12/01/2000
1,1,1-Trichloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,1,2,2-Tetrachloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,1,2-Trichloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,1-Dichloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,1-Dichloroethene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,2-Dichlorobenzene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,2-Dichloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,2-Dichloropropane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,3-Dichlorobenzene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
1,4-Dichlorobenzene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
2-Chloroethylvinyl ether	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Bromodichloromethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Bromoform	740 U	3000 U	570 U	70 U	70 U	58 U	58 U
Bromomethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Carbon Tetrachloride	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Chlorobenzene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Chloroethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Chloroform	150 U	600 U	110 U	32	24	36	25
Chloromethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
cis-1,3-Dichloropropene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Dibromochloromethane	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Methylene chloride	210 J	640 J	150 J	49 J	32 J	31 J	21 J
Tetrachloroethene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
trans-1,2-Dichloroethene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
trans-1,3-Dichloropropene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Trichloroethene	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Trichlorofluoromethane	740 U	3000 U	570 U	70 U	70 U	58 U	58 U
Vinyl chloride	150 U	600 U	110 U	14 U	14 U	12 U	12 U
Benzene	3500	140000	620	120		14	
Ethylbenzene	43000	380000	110 U	17		12 U	
TCLP BENZENE							
Benzene	2500	120	10	2.4		4.7	

TABLE 1 (continued)
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-12 (0-2')	DP-12 (4-6')	DP-12 (31.5-32')	DP-13 (0-2')	DP-13 (4-6')	DP-13 (24-26')
Lab Sample	A0903205	A0903206	A0903207	A0903208	A0903209	A0903210
Date Sampled	12/06/2000	12/06/2000	12/06/2000	12/07/2000	12/07/2000	12/07/2000
1,1,1-Trichloroethane	11 U	12 U	290 U	11 U	14 U	12 U
1,1,2,2-Tetrachloroethane	11 U	12 U	290 U	11 U	14 U	12 U
1,1,2-Trichloroethane	11 U	12 U	290 U	11 U	14 U	12 U
1,1-Dichloroethane	11 U	12 U	290 U	11 U	14 U	12 U
1,1-Dichloroethene	11 U	12 U	290 U	11 U	14 U	12 U
1,2-Dichlorobenzene	11 U	12 U	290 U	11 U	14 U	12 U
1,2-Dichloroethane	11 U	12 U	290 U	11 U	14 U	12 U
1,2-Dichloropropane	11 U	12 U	290 U	11 U	14 U	12 U
1,3-Dichlorobenzene	11 U	12 U	290 U	11 U	14 U	12 U
1,4-Dichlorobenzene	11 U	12 U	290 U	11 U	14 U	12 U
2-Chloroethylvinyl ether	11 U	12 U	290 U	11 U	14 U	12 U
Bromodichloromethane	11 U	12 U	290 U	11 U	14 U	12 U
Bromoform	54 U	58 U	1400 U	53 U	70 U	62 U
Bromomethane	11 U	12 U	290 U	11 U	14 U	12 U
Carbon Tetrachloride	11 U	12 U	290 U	11 U	14 U	12 U
Chlorobenzene	11 U	12 U	290 U	11 U	14 U	12 U
Chloroethane	11 U	12 U	290 U	11 U	14 U	12 U
Chloroform	25	30	290 U	24	24	21
Chloromethane	11 U	64	290 U	11 U	14 U	12 U
cis-1,3-Dichloropropene	11 U	12 U	290 U	11 U	14 U	12 U
Dibromochloromethane	11 U	12 U	290 U	11 U	14 U	12 U
Methylene chloride	47 J	30 J	1400 U	41 J	28 J	57 J
Tetrachloroethene	77	200	290 U	11 U	14 U	12 U
trans-1,2-Dichloroethene	11 U	12 U	290 U	11 U	14 U	12 U
trans-1,3-Dichloropropene	11 U	12 U	290 U	11 U	14 U	12 U
Trichloroethene	11 U	220	290 U	11 U	14 U	12 U
Trichlorofluoromethane	54 U	58 U	1400 U	53 U	70 U	62 U
Vinyl chloride	11 U	12 U	290 U	11 U	14 U	12 U
Benzene	710	260	3400	85	86	250
Ethylbenzene	100	61	40000	31	29	59
TCLP BENZENE						
Benzene	4.1	2	2.3	3.9	41	72

TABLE 1 (continued)
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-4 (4-6')	DP-4 (16-18')	DP-4 (16-18')	DP-6 (8-10')	DP-6 (16-18')
Lab Sample	A0903212	A0903213	A0903213RI	A0903201	A0903202
Date Sampled	12/01/2000	12/01/2000	12/01/2000	11/30/2000	11/30/2000
1,1,1-Trichloroethane	1500 U	72 U	18 U	250 U	1200 U
1,1,2,2-Tetrachloroethane	1500 U	72 U	18 U	250 U	1200 U
1,1,2-Trichloroethane	1500 U	72 U	18 U	250 U	1200 U
1,1-Dichloroethane	1500 U	72 U	18 U	250 U	1200 U
1,1-Dichloroethene	1500 U	72 U	18 U	250 U	1200 U
1,2-Dichlorobenzene	1500 U	72 U	18 U	250 U	1200 U
1,2-Dichloroethane	1500 U	72 U	18 U	250 U	1200 U
1,2-Dichloropropane	1500 U	72 U	18 U	250 U	1200 U
1,3-Dichlorobenzene	1500 U	72 U	18 U	250 U	1200 U
1,4-Dichlorobenzene	1500 U	72 U	18 U	250 U	1200 U
2-Chloroethylvinyl ether	1500 U	72 U	18 U	250 U	1200 U
Bromodichloromethane	1500 U	72 U	18 U	250 U	1200 U
Bromoform	7400 U	360 U	90 U	1200 U	6000 U
Bromomethane	1500 U	72 U	18 U	250 U	1200 U
Carbon Tetrachloride	1500 U	72 U	18 U	250 U	1200 U
Chlorobenzene	1500 U	72 U	18 U	250 U	1200 U
Chloroethane	1500 U	72 U	18 U	250 U	1200 U
Chloroform	1500 U	72 U	27	250 U	1200 U
Chloromethane	1500 U	72 U	18 U	250 U	1200 U
cis-1,3-Dichloropropene	1500 U	72 U	18 U	250 U	1200 U
Dibromochloromethane	1500 U	72 U	18 U	250 U	1200 U
Methylene chloride	1800 J	170 J	58 J	360 J	4500 J
Tetrachloroethene	1500 U	72 U	18 U	250 U	1200 U
trans-1,2-Dichloroethene	1500 U	72 U	18 U	250 U	1200 U
trans-1,3-Dichloropropene	1500 U	72 U	18 U	250 U	1200 U
Trichloroethene	1500 U	72 U	18 U	250 U	1200 U
Trichlorofluoromethane	7400 U	360 U	90 U	1200 U	6000 U
Vinyl chloride	1500 U	72 U	18 U	250 U	1200 U
Benzene	4200	160		69000	48000
Ethylbenzene	25000	52		120000	110000
TCLP BENZENE					
Benzene	24	1.8		1200	2400

TABLE 1 (Continued)
VOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-7 (12-14')	DP-7 (16-18')	DP-9 (24-28')	DP-9 (28-32')
Lab Sample	A0903203	A0903204	A0925005	A0925006
Date Sampled	11/30/2000	11/30/2000	12/12/2000	12/12/2000
1,1,1-Trichloroethane	1200 U	1600 U	120 U	110 U
1,1,2,2-Tetrachloroethane	1200 U	1600 U	120 U	110 U
1,1,2-Trichloroethane	1200 U	1600 U	120 U	110 U
1,1-Dichloroethane	1200 U	1600 U	120 U	110 U
1,1-Dichloroethene	1200 U	1600 U	120 U	110 U
1,2-Dichlorobenzene	1200 U	1600 U	120 U	110 U
1,2-Dichloroethane	1200 U	1600 U	120 U	110 U
1,2-Dichloropropane	1200 U	1600 U	120 U	110 U
1,3-Dichlorobenzene	1200 U	1600 U	120 U	110 U
1,4-Dichlorobenzene	1200 U	1600 U	120 U	110 U
2-Chloroethylvinyl ether	1200 U	1600 U	120 U	110 U
Bromodichloromethane	1200 U	1600 U	120 U	110 U
Bromoform	6100 U	7900 U	580 U	560 U
Bromomethane	1200 U	1600 U	120 U	110 U
Carbon Tetrachloride	1200 U	1600 U	120 U	110 U
Chlorobenzene	1200 U	1600 U	120 U	110 U
Chloroethane	1200 U	1600 U	120 U	110 U
Chloroform	1200 U	1600 U	120 U	110 U
Chloromethane	1200 U	1600 U	120 U	110 U
cis-1,3-Dichloropropene	1200 U	1600 U	120 U	110 U
Dibromochloromethane	1200 U	1600 U	120 U	110 U
Methylene chloride	5300 J	1800 J	580 U	560 U
Tetrachloroethene	1200 U	1600 U	120 U	110 U
trans-1,2-Dichloroethene	1200 U	1600 U	120 U	110 U
trans-1,3-Dichloropropene	1200 U	1600 U	120 U	110 U
Trichloroethene	1200 U	1600 U	120 U	110 U
Trichlorofluoromethane	6100 U	7900 U	580 U	560 U
Vinyl chloride	1200 U	1600 U	120 U	110 U
Benzene	62000	340000	1200 U	4300
Ethylbenzene	160000	600000	83000	66000
TCLP BENZENE				
Benzene	410	1600	5400	38

TABLE 2
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-1 (8-12')	DP-1 (20-24')	DP-1D (20-24')	DP-2 (20-24')	DP-2 (6-8')	DP-3 (24-28')	DP-3 (24-28')DL	DP-3 (6-8')	DP-3 (6-8')DL
Lab Sample	A0935101	A0935103	A0935102	A0925002	A0925001	A0925004	A0925004DL	A0925003	A0925003DL
Date Sampled	12/18/2000	12/18/2000	12/18/2000	12/14/2000	12/14/2000	12/12/2000	12/12/2000	12/12/2000	12/12/2000
1,2,4-Trichlorobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
1,2-Dichlorobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
1,3-Dichlorobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
1,4-Dichlorobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,2'-Oxybis(1-Chloropropane)	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,4,5-Trichlorophenol	9300 U	960 U	1000 U	1400 U	1400 U	240000 U	2400000 U	16000 U	330000 U
2,4,6-Trichlorophenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,4-Dichlorophenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,4-Dimethylphenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,4-Dinitrophenol	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
2,4-Dinitrotoluene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2,6-Dinitrotoluene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2-Chloronaphthalene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2-Chlorophenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2-Methylnaphthalene	3800 U	400 U	410 U	1900	240 J	3000000 E	2700000 D	390000 E	320000 D
2-Methylphenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
2-Nitroaniline	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
2-Nitrophenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
3,3'-Dichlorobenzidine	7600 U	790 U	820 U	1200 U	1100 U	200000 U	2000000 U	14000 U	270000 U
3-Nitroaniline	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
4,6-Dinitro-2-methylphenol	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
4-Bromophenyl phenyl ether	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
4-Chloro-3-methylphenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
4-Chloroaniline	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
4-Chlorophenyl phenyl ether	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
4-Methylphenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
4-Nitroaniline	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
4-Nitrophenol	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
Acenaphthene	3800 U	400 U	410 U	1000	66 J	1000000	930000 DJ	140000 E	120000 DJ
Acenaphthylene	3800 U	400 U	410 U	230 J	570 U	290000	220000 DJ	7800	140000 U
Anthracene	3800 U	400 U	410 U	490 J	570 U	500000	360000 DJ	45000	31000 DJ

Benzo(a)anthracene	420 J	400 U	410 U	300 J	80 J	310000	280000 DJ	32000	29000 DJ
Benzo(a)pyrene	410 J	400 U	410 U	190 J	73 J	190000	140000 DJ	22000	140000 U
Benzo(b)fluoranthene	630 J	400 U	410 U	190 J	92 J	130000	140000 DJ	14000	140000 U
Benzo(ghi)perylene	3800 U	400 U	410 U	71 J	570 U	64000 J	990000 U	7600	140000 U
Benzo(k)fluoranthene	3800 U	400 U	410 U	580 U	570 U	49000 J	990000 U	5800 J	140000 U
Benzoic acid	18000 U	1900 U	2000 U	2800 U	2800 U	120000 J	4800000 U	33000 U	660000 U
Benzyl alcohol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Bis(2-chloroethoxy) methane	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Bis(2-chloroethyl) ether	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Bis(2-ethylhexyl) phthalate	3800 U	150 J	370 J	220 J	440 J	99000 U	990000 U	330 J	140000 U
Butyl benzyl phthalate	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Chrysene	440 J	400 U	410 U	310 J	79 J	270000	260000 DJ	29000	26000 DJ
Di-n-butyl phthalate	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Di-n-octyl phthalate	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Dibenzo(a,h)anthracene	3800 U	400 U	410 U	580 U	570 U	17000 J	990000 U	2400 J	140000 U
Dibenzofuran	3800 U	400 U	410 U	70 J	570 U	76000 J	990000 U	6400 J	140000 U
Diethyl phthalate	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Dimethyl phthalate	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Fluoranthene	520 J	400 U	410 U	510 J	130 J	420000	350000 DJ	37000	32000 DJ
Fluorene	3800 U	400 U	410 U	640	69 J	630000	710000 DJ	50000	56000 DJ
Hexachlorobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Hexachlorobutadiene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Hexachlorocyclopentadiene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Hexachloroethane	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Indeno(1,2,3-cd)pyrene	3800 U	400 U	410 U	580 U	570 U	52000 J	990000 U	6100 J	140000 U
Isophorone	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
N-Nitroso-Di-n-propylamine	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
N-nitrosodiphenylamine	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Naphthalene	3800 U	400 U	410 U	3300	2700	5900000 E	5100000 D	730000 E	660000 D
Nitrobenzene	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Pentachlorophenol	18000 U	1900 U	2000 U	2800 U	2800 U	480000 U	4800000 U	33000 U	660000 U
Phenanthrene	400 J	400 U	410 U	1700	250 J	2000000 E	1600000 D	170000 E	130000 DJ
Phenol	3800 U	400 U	410 U	580 U	570 U	99000 U	990000 U	6800 U	140000 U
Pyrene	590 J	400 U	410 U	910	180 J	1000000	820000 DJ	85000	76000 DJ

TABLE 2 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-11 (0-2')	DP-11 (6-8')	DP-11 (24-26')	DP-12 (0-2')	DP-12 (4-6')	DP-12 (31.5-32')
Lab Sample	A0903214	A0903215	A0903216	A0903205	A0903206	A0903207
Date Sampled	12/01/2000	12/01/2000	12/01/2000	12/06/2000	12/06/2000	12/06/2000
1,2,4-Trichlorobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
1,2-Dichlorobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
1,3-Dichlorobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
1,4-Dichlorobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,2'-Oxybis(1-Chloropropane)	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,4,5-Trichlorophenol	180000 U	230000 U	4800 U	870000 U	100000 U	190000 U
2,4,6-Trichlorophenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,4-Dichlorophenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,4-Dimethylphenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,4-Dinitrophenol	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
2,4-Dinitrotoluene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2,6-Dinitrotoluene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2-Chloronaphthalene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2-Chlorophenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2-Methylnaphthalene	74000 U	94000 U	1300 J	360000 U	42000 U	430000
2-Methylphenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
2-Nitroaniline	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
2-Nitrophenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
3,3'-Dichlorobenzidine	150000 U	190000 U	4000 U	720000 U	84000 U	160000 U
3-Nitroaniline	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
4,6-Dinitro-2-methylphenol	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
4-Bromophenyl phenyl ether	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
4-Chloro-3-methylphenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
4-Chloroaniline	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
4-Chlorophenyl phenyl ether	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
4-Methylphenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
4-Nitroaniline	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
4-Nitrophenol	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
Acenaphthene	74000 U	94000 U	1200 J	360000 U	42000 U	200000
Acenaphthylene	74000 U	94000 U	2000 U	360000 U	42000 U	23000 J
Anthracene	600 J	3700 J	2000 U	360000 U	42000 U	98000

Benzo(a)anthracene	74000 U	94000 U	2000 U	360000 U	42000 U	49000 J
Benzo(a)pyrene	500 J	14000 J	2000 U	360000 U	42000 U	32000 J
Benzo(b)fluoranthene	1100 J	25000 J	2000 U	360000 U	42000 U	25000 J
Benzo(ghi)perylene	74000 U	10000 J	2000 U	360000 U	42000 U	78000 U
Benzo(k)fluoranthene	330 J	12000 J	2000 U	360000 U	42000 U	10000 J
Benzoic acid	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
Benzyl alcohol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Bis(2-chloroethoxy) methane	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Bis(2-chloroethyl) ether	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Bis(2-ethylhexyl) phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Butyl benzyl phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Chrysene	74000 U	94000 U	2000 U	360000 U	42000 U	47000 J
Di-n-butyl phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Di-n-octyl phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Dibenzo(a,h)anthracene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Dibenzofuran	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Diethyl phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Dimethyl phthalate	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Fluoranthene	4000 J	53000 J	2000 U	360000 U	42000 U	86000
Fluorene	74000 U	94000 U	2000 U	360000 U	42000 U	120000
Hexachlorobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Hexachlorobutadiene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Hexachlorocyclopentadiene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Hexachloroethane	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Indeno(1,2,3-cd)pyrene	74000 U	9800 J	2000 U	360000 U	42000 U	78000 U
Isophorone	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
N-Nitroso-Di-n-propylamine	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
N-nitrosodiphenylamine	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Naphthalene	74000 U	94000 U	540 J	360000 U	42000 U	520000
Nitrobenzene	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Pentachlorophenol	360000 U	450000 U	9700 U	1700000 U	200000 U	380000 U
Phenanthrene	4000 J	15000 J	2000 U	360000 U	42000 U	320000
Phenol	74000 U	94000 U	2000 U	360000 U	42000 U	78000 U
Pyrene	3600 J	45000 J	2000 U	360000 U	42000 U	150000

TABLE 2 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-3 (24-28')	DP-3 (24-28')DL	DP-3 (6-8')	DP-3 (6-8')DL	DP-4 (4-6')	DP-4 (16-18')
Lab Sample	A0925004	A0925004DL	A0925003	A0925003DL	A0903212	A0903213
Date Sampled	12/12/2000	12/12/2000	12/12/2000	12/12/2000	12/01/2000	12/01/2000
1,2,4-Trichlorobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
1,2-Dichlorobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
1,3-Dichlorobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
1,4-Dichlorobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,2'-Oxybis(1-Chloropropane)	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,4,5-Trichlorophenol	240000 U	2400000 U	16000 U	330000 U	120000 U	15000 U
2,4,6-Trichlorophenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,4-Dichlorophenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,4-Dimethylphenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,4-Dinitrophenol	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
2,4-Dinitrotoluene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2,6-Dinitrotoluene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2-Chloronaphthalene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2-Chlorophenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2-Methylnaphthalene	3000000 E	2700000 D	390000 E	320000 D	280000	6300 U
2-Methylphenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
2-Nitroaniline	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
2-Nitrophenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
3,3'-Dichlorobenzidine	200000 U	2000000 U	14000 U	270000 U	99000 U	12000 U
3-Nitroaniline	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
4,6-Dinitro-2-methylphenol	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
4-Bromophenyl phenyl ether	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
4-Chloro-3-methylphenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
4-Chloroaniline	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
4-Chlorophenyl phenyl ether	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
4-Methylphenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
4-Nitroaniline	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
4-Nitrophenol	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
Acenaphthene	1000000	930000 DJ	140000 E	120000 DJ	120000	290 J
Acenaphthylene	290000	220000 DJ	7800	140000 U	7400 J	6300 U
Anthracene	500000	360000 DJ	45000	31000 DJ	45000 J	170 J

Benzo(a)anthracene	310000	280000 DJ	32000	29000 DJ	23000 J	6300 U
Benzo(a)pyrene	190000	140000 DJ	22000	140000 U	9400 J	160 J
Benzo(b)fluoranthene	130000	140000 DJ	14000	140000 U	14000 J	310 J
Benzo(ghi)perylene	64000 J	990000 U	7600	140000 U	4300 J	6300 U
Benzo(k)fluoranthene	49000 J	990000 U	5800 J	140000 U	7200 J	100 J
Benzoic acid	120000 J	4800000 U	33000 U	660000 U	240000 U	30000 U
Benzyl alcohol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Bis(2-chloroethoxy) methane	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Bis(2-chloroethyl) ether	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Bis(2-ethylhexyl) phthalate	99000 U	990000 U	330 J	140000 U	7700 J	650 J
Butyl benzyl phthalate	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Chrysene	270000	260000 DJ	29000	26000 DJ	21000 J	6300 U
Di-n-butyl phthalate	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Di-n-octyl phthalate	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Dibenzo(a,h)anthracene	17000 J	990000 U	2400 J	140000 U	49000 U	6300 U
Dibenzofuran	76000 J	990000 U	6400 J	140000 U	49000 U	6300 U
Diethyl phthalate	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Dimethyl phthalate	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Fluoranthene	420000	350000 DJ	37000	32000 DJ	44000 J	670 J
Fluorene	630000	710000 DJ	50000	56000 DJ	53000	6300 U
Hexachlorobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Hexachlorobutadiene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Hexachlorocyclopentadiene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Hexachloroethane	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Indeno(1,2,3-cd)pyrene	52000 J	990000 U	6100 J	140000 U	4300 J	6300 U
Isophorone	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
N-Nitroso-Di-n-propylamine	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
N-nitrosodiphenylamine	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Naphthalene	5900000 E	5100000 D	730000 E	660000 D	590000	1700 J
Nitrobenzene	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Pentachlorophenol	480000 U	4800000 U	33000 U	660000 U	240000 U	30000 U
Phenanthrene	2000000 E	1600000 D	170000 E	130000 DJ	140000	930 J
Phenol	99000 U	990000 U	6800 U	140000 U	49000 U	6300 U
Pyrene	1000000	820000 DJ	85000	76000 DJ	67000	740 J

TABLE 2 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-6 (16-18')	DP-6 (16-18')DL	DP-6 (8-10')	DP-7 (12-14')	DP-7 (12-14')DL	DP-7 (16-18')
Lab Sample	A0903202	A0903202DL	A0903201	A0903203	A0903203DL	A0903204
Date Sampled	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000
1,2,4-Trichlorobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
1,2-Dichlorobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
1,3-Dichlorobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
1,4-Dichlorobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,2'-Oxybis(1-Chloropropane)	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,4,5-Trichlorophenol	190000 U	380000 U	190000 U	190000 U	750000 U	900000 U
2,4,6-Trichlorophenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,4-Dichlorophenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,4-Dimethylphenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,4-Dinitrophenol	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
2,4-Dinitrotoluene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2,6-Dinitrotoluene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2-Chloronaphthalene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2-Chlorophenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2-Methylnaphthalene	920000	1100000 D	540000	1400000 E	2200000 D	2600000
2-Methylphenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
2-Nitroaniline	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
2-Nitrophenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
3,3'-Dichlorobenzidine	160000 U	320000 U	160000 U	150000 U	620000 U	750000 U
3-Nitroaniline	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
4,6-Dinitro-2-methylphenol	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
4-Bromophenyl phenyl ether	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
4-Chloro-3-methylphenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
4-Chloroaniline	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
4-Chlorophenyl phenyl ether	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
4-Methylphenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
4-Nitroaniline	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
4-Nitrophenol	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
Acenaphthene	400000	420000 D	200000	97000	94000 DJ	830000
Acenaphthylene	170000	160000 D	64000 J	650000	830000 D	330000 J
Anthracene	220000	230000 D	99000	280000	330000 D	410000

Benzo(a)anthracene	140000	130000 DJ	61000 J	190000	200000 DJ	250000 J
Benzo(a)pyrene	110000	110000 DJ	48000 J	160000	160000 DJ	200000 J
Benzo(b)fluoranthene	87000	89000 DJ	37000 J	130000	140000 DJ	160000 J
Benzo(ghi)perylene	25000 J	24000 DJ	10000 J	32000 J	310000 U	36000 J
Benzo(k)fluoranthene	44000 J	35000 DJ	16000 J	70000 J	53000 DJ	67000 J
Benzoic acid	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
Benzyl alcohol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Bis(2-chloroethoxy) methane	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Bis(2-chloroethyl) ether	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Bis(2-ethylhexyl) phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Butyl benzyl phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Chrysene	130000	130000 DJ	61000 J	180000	200000 DJ	250000 J
Di-n-butyl phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Di-n-octyl phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Dibenzo(a,h)anthracene	5500 J	160000 U	80000 U	8500 J	310000 U	370000 U
Dibenzofuran	34000 J	160000 U	18000 J	62000 J	310000 U	370000 U
Diethyl phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Dimethyl phthalate	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Fluoranthene	270000	290000 D	130000	350000	440000 D	530000
Fluorene	310000	320000 D	150000	470000	560000 D	680000
Hexachlorobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Hexachlorobutadiene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Hexachlorocyclopentadiene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Hexachloroethane	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Indeno(1,2,3-cd)pyrene	25000 J	25000 DJ	9600 J	35000 J	310000 U	370000 U
Isophorone	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
N-Nitroso-Di-n-propylamine	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
N-nitrosodiphenylamine	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Naphthalene	1400000 E	1700000 D	860000	2500000 E	3600000 D	4600000
Nitrobenzene	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Pentachlorophenol	380000 U	770000 U	390000 U	370000 U	1500000 U	1800000 U
Phenanthrene	700000	840000 D	390000	940000	1400000 D	1700000
Phenol	79000 U	160000 U	80000 U	77000 U	310000 U	370000 U
Pyrene	390000	400000 D	190000	520000	650000 D	820000

TABLE 2 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-9 (24-28')	P-9 (24-28')DL	DP-9 (28-32')	DP-9 (28-32')DL	DP-10 (15-16')	P-10 (15-16')DL	DP-10 (24-28')	DP-10 (24-28')DL
Lab Sample	A0925005	A0925005DL	A0925006	A0925006DL	A0925007	A0925007DL	A0925008	A0925008DL
Date Sampled	12/12/2000	12/12/2000	12/12/2000	12/12/2000	12/13/2000	12/13/2000	12/13/2000	12/13/2000
1,2,4-Trichlorobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
1,2-Dichlorobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
1,3-Dichlorobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
1,4-Dichlorobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,2'-Oxybis(1-Chloropropane)	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,4,5-Trichlorophenol	140000 U	580000 U	140000 U	540000 U	14000 U	72000 U	140000 U	2800000 U
2,4,6-Trichlorophenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,4-Dichlorophenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,4-Dimethylphenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,4-Dinitrophenol	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
2,4-Dinitrotoluene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2,6-Dinitrotoluene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2-Chloronaphthalene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2-Chlorophenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2-Methylnaphthalene	960000	950000 D	660000	610000 D	150000 E	130000 D	3100000 E	2300000 D
2-Methylphenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
2-Nitroaniline	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
2-Nitrophenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
3,3'-Dichlorobenzidine	120000 U	480000 U	110000 U	450000 U	12000 U	59000 U	120000 U	2300000 U
3-Nitroaniline	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
4,6-Dinitro-2-methylphenol	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
4-Bromophenyl phenyl ether	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
4-Chloro-3-methylphenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
4-Chloroaniline	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
4-Chlorophenyl phenyl ether	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
4-Methylphenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
4-Nitroaniline	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
4-Nitrophenol	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
Acenaphthene	410000	410000 D	280000	260000 D	63000	63000 D	130000	120000 DJ
Acenaphthylene	45000 J	39000 DJ	38000 J	26000 DJ	5700 J	4500 DJ	1000000 E	820000 DJ
Anthracene	140000	140000 DJ	110000	89000 DJ	22000	18000 DJ	330000	250000 DJ

Benzo(a)anthracene	96000	100000 DJ	61000	68000 DJ	14000	14000 DJ	210000	190000 DJ
Benzo(a)pyrene	65000	55000 DJ	44000 J	34000 DJ	10000	8400 DJ	170000	1200000 U
Benzo(b)fluoranthene	48000 J	40000 DJ	41000 J	34000 DJ	7000	8400 DJ	120000	1200000 U
Benzo(ghi)perylene	20000 J	240000 U	12000 J	220000 U	3000 J	30000 U	55000 J	1200000 U
Benzo(k)fluoranthene	13000 J	15000 DJ	56000 U	220000 U	2600 J	30000 U	50000 J	1200000 U
Benzoic acid	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
Benzyl alcohol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Bis(2-chloroethoxy) methane	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Bis(2-chloroethyl) ether	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Bis(2-ethylhexyl) phthalate	60000 U	240000 U	7800 J	220000 U	1600 J	30000 U	15000 J	1200000 U
Butyl benzyl phthalate	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Chrysene	72000	88000 DJ	62000	60000 DJ	11000	11000 DJ	170000	170000 DJ
Di-n-butyl phthalate	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Di-n-octyl phthalate	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Dibenzo(a,h)anthracene	5700 J	240000 U	3400 J	220000 U	820 J	30000 U	14000 J	1200000 U
Dibenzofuran	24000 J	240000 U	17000 J	220000 U	3500 J	30000 U	65000	1200000 U
Diethyl phthalate	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Dimethyl phthalate	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Fluoranthene	140000	130000 DJ	120000	87000 DJ	20000	20000 DJ	360000	320000 DJ
Fluorene	220000	270000 D	160000	140000 DJ	30000	35000 D	520000	530000 DJ
Hexachlorobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Hexachlorobutadiene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Hexachlorocyclopentadiene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Hexachloroethane	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Indeno(1,2,3-cd)pyrene	16000 J	240000 U	10000 J	220000 U	2600 J	30000 U	49000 J	1200000 U
Isophorone	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
N-Nitroso-Di-n-propylamine	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
N-nitrosodiphenylamine	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Naphthalene	1600000 E	1400000 D	1300000 E	1100000 D	300000 E	230000 D	6200000 E	5600000 D
Nitrobenzene	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Pentachlorophenol	290000 U	1200000 U	270000 U	1100000 U	29000 U	140000 U	280000 U	5600000 U
Phenanthrene	600000	580000 D	470000	400000 D	87000	84000 D	1500000 E	1300000 D
Phenol	60000 U	240000 U	56000 U	220000 U	5900 U	30000 U	58000 U	1200000 U
Pyrene	270000	310000 D	200000	190000 DJ	45000	44000 D	800000	700000 DJ

TABLE 2 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	DP-13 (0-2')	DP-13 (2-4')	DP-13 (24-26')	DP-13 (4-6')
Lab Sample	A0903208	A0903211	A0903210	A0903209
Date Sampled	12/07/2000	12/07/2000	12/07/2000	12/07/2000
1,2,4-Trichlorobenzene	360000 U	88000 U	420 U	23000 U
1,2-Dichlorobenzene	360000 U	88000 U	420 U	23000 U
1,3-Dichlorobenzene	360000 U	88000 U	420 U	23000 U
1,4-Dichlorobenzene	360000 U	88000 U	420 U	23000 U
2,2'-Oxybis(1-Chloropropane)	360000 U	88000 U	420 U	23000 U
2,4,5-Trichlorophenol	870000 U	210000 U	1000 U	55000 U
2,4,6-Trichlorophenol	360000 U	88000 U	420 U	23000 U
2,4-Dichlorophenol	360000 U	88000 U	420 U	23000 U
2,4-Dimethylphenol	360000 U	88000 U	420 U	23000 U
2,4-Dinitrophenol	1700000 U	430000 U	2000 U	110000 U
2,4-Dinitrotoluene	360000 U	88000 U	420 U	23000 U
2,6-Dinitrotoluene	360000 U	88000 U	420 U	23000 U
2-Chloronaphthalene	360000 U	88000 U	420 U	23000 U
2-Chlorophenol	360000 U	88000 U	420 U	23000 U
2-Methylnaphthalene	360000 U	88000 U	420 U	23000 U
2-Methylphenol	360000 U	88000 U	420 U	23000 U
2-Nitroaniline	1700000 U	430000 U	2000 U	110000 U
2-Nitrophenol	360000 U	88000 U	420 U	23000 U
3,3'-Dichlorobenzidine	720000 U	180000 U	840 U	45000 U
3-Nitroaniline	1700000 U	430000 U	2000 U	110000 U
4,6-Dinitro-2-methylphenol	1700000 U	430000 U	2000 U	110000 U
4-Bromophenyl phenyl ether	360000 U	88000 U	420 U	23000 U
4-Chloro-3-methylphenol	360000 U	88000 U	420 U	23000 U
4-Chloroaniline	360000 U	88000 U	420 U	23000 U
4-Chlorophenyl phenyl ether	360000 U	88000 U	420 U	23000 U
4-Methylphenol	360000 U	88000 U	420 U	23000 U
4-Nitroaniline	1700000 U	430000 U	2000 U	110000 U
4-Nitrophenol	1700000 U	430000 U	2000 U	110000 U
Acenaphthene	360000 U	88000 U	420 U	23000 U
Acenaphthylene	360000 U	88000 U	420 U	23000 U
Anthracene	360000 U	150 J	420 U	730 J

Benzo(a)anthracene	360000 U	88000 U	420 U	23000 U
Benzo(a)pyrene	360000 U	820 J	420 U	1200 J
Benzo(b)fluoranthene	360000 U	1800 J	420 U	2600 J
Benzo(ghi)perylene	360000 U	88000 U	420 U	23000 U
Benzo(k)fluoranthene	360000 U	540 J	420 U	900 J
Benzoic acid	1700000 U	430000 U	2000 U	110000 U
Benzyl alcohol	360000 U	88000 U	420 U	23000 U
Bis(2-chloroethoxy) methane	360000 U	88000 U	420 U	23000 U
Bis(2-chloroethyl) ether	360000 U	88000 U	420 U	23000 U
Bis(2-ethylhexyl) phthalate	360000 U	88000 U	140 J	23000 U
Butyl benzyl phthalate	360000 U	88000 U	420 U	23000 U
Chrysene	360000 U	88000 U	420 U	23000 U
Di-n-butyl phthalate	360000 U	88000 U	420 U	23000 U
Di-n-octyl phthalate	360000 U	88000 U	420 U	23000 U
Dibenzo(a,h)anthracene	360000 U	88000 U	420 U	23000 U
Dibenzofuran	360000 U	88000 U	420 U	23000 U
Diethyl phthalate	360000 U	88000 U	420 U	23000 U
Dimethyl phthalate	360000 U	88000 U	420 U	23000 U
Fluoranthene	360000 U	4700 J	420 U	5800 J
Fluorene	360000 U	88000 U	420 U	23000 U
Hexachlorobenzene	360000 U	88000 U	420 U	23000 U
Hexachlorobutadiene	360000 U	88000 U	420 U	23000 U
Hexachlorocyclopentadiene	360000 U	88000 U	420 U	23000 U
Hexachloroethane	360000 U	88000 U	420 U	23000 U
Indeno(1,2,3-cd)pyrene	360000 U	88000 U	420 U	23000 U
Isophorone	360000 U	88000 U	420 U	23000 U
N-Nitroso-Di-n-propylamine	360000 U	88000 U	420 U	23000 U
N-nitrosodiphenylamine	360000 U	88000 U	420 U	23000 U
Naphthalene	360000 U	88000 U	110 J	23000 U
Nitrobenzene	360000 U	88000 U	420 U	23000 U
Pentachlorophenol	1700000 U	430000 U	2000 U	110000 U
Phenanthrene	360000 U	2900 J	5 J	4000 J
Phenol	360000 U	88000 U	420 U	23000 U
Pyrene	360000 U	3800 J	0.4 J	4700 J

TABLE 3
METALS IN SURFACE SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	S-1 (3-5')	S-2 (3-5')	S-3 (3-5')	S-4 (3-5')	S-5 (3-5')	S-6 (3-5')	S-7 (3-5')
Lab Sample	A0946201	A0946202	A0946203	A0946204	A0946205	A0946206	A0946207
Date Sampled	12/21/2000	12/21/2000	12/21/2000	12/21/2000	12/21/2000	12/21/2000	12/21/2000
TOTAL METALS (MG/KG)							
Antimony - Total	11.2 NU	11.3 NU	12.1 NU	10.9 NU	12.3 NU	12.3 NU	11.2 NU
Arsenic - Total	8.9	7.3	4.9	5.1	11.5	4.4	2.6
Beryllium - Total	0.56 U	0.57 U	0.6 U	0.54 U	0.61 U	0.61 U	0.56 U
Cadmium - Total	0.25	2	0.34	0.89	0.26	0.26	0.11
Chromium - Total	8.8	10.2	9.6	18	12.8	11.3	17.6
Copper - Total	64.5	33.4	70.5	48.4	64.9	60	16.9
Lead - Total	523	807	630	143	268	191	25.9
Mercury - Total	4.7	0.27	0.87	0.15	0.21	1.2	0.1 U
Nickel - Total	12	14.7	15.7	17.4	17.8	15.3	19.2
Selenium - Total	2.9	1.4	1.3	1.1 U	1.3	1.5	1.4
Silver - Total	0.34 U	0.34 U	0.36 U	0.33 U	0.37 U	0.37 U	0.34 U
Thallium - Total	6.7 U	6.8 U	7.2 U	6.5 U	7.4 U	7.4 U	6.7 U
Zinc - Total	121	1170	286	317	439	97.9	41.1
TCLP METALS (UG/L)							
Arsenic - Total	36.4	7 U	7.6	7 U	7 U	24.8	12.5
Barium - Total	1020	1100	1020	600	791	998	1520
Cadmium - Total	3	1.9	2.7	4.3	1.4	3.5	2.1
Chromium - Total	2 U	2 U	2 U	6.6	5.5	2 U	2 U
Lead - Total	1190	385	3900	10 U	110	2640	559
Mercury - Total	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.33	0.2 U
Selenium - Total	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Silver - Total	3 U	3 U	3 U	3 U	3 U	3 U	3 U

TABLE 3 (Continued)
METALS IN SURFACE SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	S-8 (0-2')	S-9 (0-2')	S-10 (2-4')	S-11 (2-4')	S-12 (2-4')
Lab Sample	A1003801	A1003802	A1003803	A1003804	A1003805
Date Sampled	12/29/2000	12/29/2000	12/29/2000	12/29/2000	12/29/2000
TOTAL METALS (MG/KG)					
Antimony - Total	10.1 U	12 U	11.9 U	24	12 U
Arsenic - Total	13.2	9	12.4	3.9	5.3
Beryllium - Total	0.51 U	0.6 U	0.6 U	0.55 U	0.6 U
Cadmium - Total	0.25	0.22	3	0.4	0.19
Chromium - Total	10.8	9.9	20.2	10.1	7.6
Copper - Total	81.2	81.6	114	43.1	39.5
Lead - Total	900	235	1050	239	162
Mercury - Total	0.687	2.8	2.5	0.623	0.954
Nickel - Total	10.8	12.9	20.5	22.3	13.5
Selenium - Total	1.4	1.3	1.2 U	1.1 U	1.2 U
Silver - Total	0.31	0.36 U	0.36 U	0.35	0.36 U
Thallium - Total	6.1 U	7.2 U	7.2 U	6.6 U	7.2 U
Zinc - Total	137	135	1890	172	85.3
TCLP METALS (UG/L)					
Arsenic - Total	36.2	15.8	7 U	7 U	13.8
Barium - Total	1410 E	740 E	2180 E	1380 E	727 E
Cadmium - Total	2.9	1.6	14.8	14.4	3.3
Chromium - Total	2 U	2 U	2.4	2.8	2.6
Lead - Total	3870 E	383 E	2180 E	624 E	838 E
Mercury - Total	2 U	2 U	2 U	2 U	2 U
Selenium - Total	10 U	10 U	10 U	10 U	10 U
Silver - Total	3 U	3 U	3 U	3 U	3 U

TABLE 3A
STARS VOLATILE ORGANIC COMPOUNDS IN SURFACE SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	S-3 (3-5')		S-3 (3-5')	
Lab Sample	A0946203		A0946203DL	
Date Sampled	12/21/2000		12/21/2000	
1,2,4-Trimethylbenzene	36000		40000	D
1,3,5-Trimethylbenzene	11000		12000	U
Benzene	4700	U	12000	U
Ethylbenzene	4900		12000	U
Isopropylbenzene	5000		12000	U
m-Xylene	4700	1	12000	U
Methyl tert butyl ether	23000	U	58000	U
n-Butylbenzene	4700	U	12000	U
n-Propylbenzene	4700	U	12000	U
Naphthalene	2000000	E	1500000	D
o-Xylene	4700	U	12000	U
p-Cymene	17000		15000	D
p-Xylene	4700	1U	12000	U
sec-Butylbenzene	6900		12000	U
tert-Butylbenzene	4700	U	12000	U
Toluene	4700	U	12000	U
Total Xylenes	4700	J	23000	U

TABLE 4
VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	AMW-1	AMW-2	MW-2	MW-3	MW-4	MW-5
Lab Sample	A0949806	A0949805	A0949801	A0946003	A0946004	A0949802
Date Sampled	12/23/2000	12/23/2000	12/22/2000	12/23/2000	12/23/2000	12/22/2000
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.2 U	0.24	0.44	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.43	0.4 U
2-Chloroethylvinyl ether	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	1 U	1 U	1 U	1 U	0.98 J	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	0.2 U	0.86	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	1 U	1 U	1 U	1 U	0.49 J	1 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene chloride	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.33	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1.3	1 U	1 U	1 U
Benzene	0.57	260	510	6.6	520 D	2.5
Ethylbenzene	0.2 U	37	17	3	3400 D	0.43

TABLE 4 (continued)
VOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	MW-6	MW-7	MM-8	TRIP BLANK	FIELD BLANK
Lab Sample	A0946001	A0949803	A0949804	A0946005	A0946101
Date Sampled	12/23/2000	12/22/2000	12/22/2000	12/23/2000	12/23/2000
1,1,1-Trichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,1-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,4-Dichlorobenzene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
2-Chloroethylvinyl ether	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	1 U	1 U	1 U	1 U	1 U
Bromomethane	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	1 U	1 U	1 U	1 U	1 U
Chloroform	0.2 U	0.2 U	0.22	0.2 U	0.2 U
Chloromethane	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloromethane	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylene chloride	1 U	1 U	0.23 J	1 U	1 U
Tetrachloroethene	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
trans-1,2-Dichloroethene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	0.2 U	0.2 U	3.2	0.2 U	0.2 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	1 U	1 U	1 U	1 U	1 U

TABLE 5
SEMIVOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	AMW-1	AMW-1 RE	AMW-2	AMW-2 RE	MW-2	MW-2 RE	MW-3	MW-4	MW-5	MW-5 RE
Lab Sample	A0949806	A0949806RE	A0949805	A0949805RE	A0949801	A0949801RE	A0946003	A0946004	A0949802	A0949802
Date Sampled	12/23/2000	12/23/2000	12/23/2000	12/23/2000	12/22/2000	12/22/2000	12/23/2000	12/23/2000	12/22/2000	12/22/200
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,2'-Oxybis(1-Chloropropan	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	24 U	24 U	25 U	25 U	24 U	24 U	24 U	24 U	24 U	24 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	10 U	2 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10 U	10 U	1 J	10 U	26	12	10 U	26	6 J	2 J
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	19 U	20 U	20 U	20 U	19 U	20 U	19 U	20 U	19 U	19 U
3-Nitroaniline	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
4,6-Dinitro-2-methylphenol	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
4-Bromophenyl phenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.8 J	3 J	10 U
4-Nitroaniline	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
4-Nitrophenol	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
Acenaphthene	0.6 J	10 U	2 J	1 J	39	38	7 J	36	46	47
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(ghi)perylene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzoic acid	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
Benzyl alcohol	19 U	20 U	20 U	20 U	19 U	20 U	19 U	20 U	19 U	19 U
Bis(2-chloroethoxy) methan	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl) ether	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-ethylhexyl) phthalate	2 J	2 J	7 J	4 J	1 J	5 J	0.7 BJ	1 BJ	10 U	10 U
Butyl benzyl phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	10 U	10 U	10 U	10 U	0.8 J	0.7 J	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	2 J	2 J	10 U	1 J	10 U	10 U
Diethyl phthalate	10 U	10 U	0.9 J	10 U	0.7 J	0.7 J	10 U	0.8 J	10 U	10 U
Dimethyl phthalate	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	0.7 J	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	6 J	7 J	2 J	6 J	10	7 J
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-Di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	74	9 J	3 J	77	3 J	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	48 U	49 U	50 U	50 U	48 U	49 U	48 U	49 U	48 U	48 U
Phenanthrene	10 U	10 U	0.5 J	10 U	3 J	3 J	3 J	3 J	9 J	10 U
Phenol	10 U	10 U	3 J	10 U	4 J	29	10 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U

TABLE 5 (continued)
SEMIVOLATILE ORGANIC COMPOUNDS IN WATER SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
UG/KG

Client Sample	MW-6	MW-6D	MW-7	MW-7 RE	MW-8	MW-8 RE
Lab Sample	A0946001	A0946002	A0949803	A0949803RE	A0949804	A0949804RE
Date Sampled	12/23/2000	12/23/2000	12/22/2000	12/22/2000	12/22/2000	12/22/2000
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	9 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	9 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	9 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	9 U	10 U
2,2'-Oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	9 U	10 U
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	24 U	24 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	9 U	10 U
2,4-Dinitrophenol	50 U	50 U	50 U	50 U	47 U	48 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	9 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	9 U	10 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	9 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	9 U	10 U
2-Methylnaphthalene	10 U	10 U	2 J	10 U	1 J	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	9 U	10 U
2-Nitroaniline	50 U	50 U	50 U	50 U	47 U	48 U
2-Nitrophenol	10 U	10 U	10 U	10 U	9 U	10 U
3,3'-Dichlorobenzidine	20 U	20 U	20 U	20 U	19 U	19 U
3-Nitroaniline	50 U	50 U	50 U	50 U	47 U	48 U
4,6-Dinitro-2-methylphenol	50 U	50 U	50 U	50 U	47 U	48 U
4-Bromophenyl phenyl ether	10 U	10 U	10 U	10 U	9 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	9 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	9 U	10 U
4-Chlorophenyl phenyl ether	10 U	10 U	10 U	10 U	9 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	9 U	10 U
4-Nitroaniline	50 U	50 U	50 U	50 U	47 U	48 U
4-Nitrophenol	50 U	50 U	50 U	50 U	47 U	48 U
Acenaphthene	10 U	10 U	4 J	5 J	2 J	3 J
Acenaphthylene	10 U	10 U	10 U	10 U	9 U	10 U
Anthracene	10 U	10 U	10 U	10 U	9 U	0.9 J

TABLE 6
WET CHEMISTRY ANALYSES OF SOIL SAMPLES
124-136 SECOND AVENUE, BROOKLYN, NY
MG/KG

Client Sample	DP-1 (8-12')	DP-1 (20-24')	DP-1D (20-24')	DP-2 (6-8')	DP-2 (20-24')	DP-3 (6-8')	DP-3 (24-28')
Lab Sample	A0935101	A0935103	A0935102	A0925001	A0925002	A0925003	A0925004
Date Sampled	12/18/2000	12/18/2000	12/18/2000	12/14/2000	12/14/2000	12/12/2000	12/12/2000
H2S Released From Waste	26.1	14.1	10.1	10.1	10 U	40.1	10 U
Leachable Amenable Cyanide	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Client Sample	DP-4 (4-6')	DP-4 (16-18')	DP-6 (8-10')	DP-6 (16-18')	DP-7 (12-14')	DP-7 (16-18')	DP-9 (24-28')
Lab Sample	A0903212	A0903213	A0903201	A0903202	A0903203	A0903204	A0925005
Date Sampled	12/01/2000	12/01/2000	11/30/2000	11/30/2000	11/30/2000	11/30/2000	12/12/2000
H2S Released From Waste	10 U	27.2	10 U	10.7	10 U	11.8	13
Leachable Amenable Cyanide	1 U	1 U	1 U	1.3	2.6	4.4	1.3

Client Sample	DP-9 (28-32')	DP-10 (15-16')	DP-10 (24-28')	DP-11 (0-2')	DP-11 (6-8')	DP-11 (24-26')	DP-12 (0-2')
Lab Sample	A0925006	A0925007	A0925008	A0903214	A0903215	A0903216	A0903205
Date Sampled	12/12/2000	12/13/2000	12/13/2000	12/01/2000	12/01/2000	12/01/2000	12/06/2000
H2S Released From Waste	11	10 U	15	17.1	10 U	17.1	17.1
Leachable Amenable Cyanide	1.5	1 U	1 U	1 U	1 U	1 U	4
Leachable Total Organic Carbon				269	9340	276	598

Client Sample	DP-12 (4-6')	P-12 (31.5-32')	DP-13 (0-2')	DP-13 (2-4')	DP-13 (4-6')	DP-13 (24-26')
Lab Sample	A0903206	A0903207	A0903208	A0903211	A0903209	A0903210
Date Sampled	12/06/2000	12/06/2000	12/07/2000	12/07/2000	12/07/2000	12/07/2000
H2S Released From Waste	17	17.1	17.1	11	17	17.1
Leachable Amenable Cyanide	1 U	1 U	1 U	2.8	1 U	1 U
Leachable Total Organic Carbon	200 U	342	626	252	448	222