470 Kent Avenue

TAX BLOCK 2134, LOTS 1 AND 150

BROOKLYN, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 10441

Prepared for:

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at the 470 Kent Avenue property located in Brooklyn, New York, as shown on Figure 1 (Project Area). The objective of the subsurface investigation was to characterize the subsurface conditions and determine whether past or present on-site and/or off-site potential sources of contamination have adversely affected the Project Area. Results of the Phase II study were also intended to be used to evaluate any potential environmental risks and/or the need for remedial action at the site prior to future development. The proposed development of the site includes the construction of approximately 665 market rate dwelling units and approximately 33,750 square feet of commercial uses. The proposed project requires a rezoning from manufacturing M3-1 to residential R7-3 with a commercial C2-4 overlay.

The scope of the Phase II study was based on a Phase I Environmental Site Assessment (January 2004) performed by AKRF, which identified recognized environmental conditions for the site, including the potential for soil and groundwater contamination from a historical on-site manufactured gas plant, and potential underground storage tanks. Phase II activities were conducted in accordance with AKRF's Sampling Protocol and site-specific Health and Safety Plan (HASP) dated November 2004, which was reviewed and approved by the New York City Department of Environmental Protection (NYCDEP) in a letter dated December 16, 2004. The Phase II study included the advancement of soil borings, the installation of groundwater monitoring wells, and the collection of soil and groundwater samples for laboratory analysis. This report describes methods and results of the Phase II investigation conducted by AKRF.

2.0 BACKGROUND

2.1 Site Charaterization

The topography slopes down to the west towards the East River. The southwestern portion of the site is constructed on a platform over the river supported by piles. Based on reports compiled by the U.S. Geological Survey (Brooklyn Quadrangle), the property lies at an elevation of approximately ten feet above the National Geodetic Vertical Datum of 1929 (an approximation of mean sea level). The approximate depth to bedrock is 100 feet below the surface. Based on this investigation, the groundwater table was encountered at approximately ten feet below surface grade. Groundwater most likely flows in a westerly direction toward the East River, which is west-adjacent to the project site. However, actual groundwater flow at the site is likely tidal and can be affected by many factors including past filling activities, underground utilities and other subsurface openings or obstructions (such as bulkheads) and other factors beyond the scope of this study. Groundwater in Brooklyn is not used as a source of potable water.

2.2 Site History

Historical land-use maps indicated that the project site and surrounding area were developed prior to 1880 and maintained their industrial uses through the present. The project site historically contained a Brooklyn Union – Peoples Works manufactured gas plant from prior to 1880 to sometime between 1887 and 1918. Other historical manufacturing uses for the site include a stave yard (barrel maker), a molasses yard, a sugar refinery, a storage warehouse, and the F.M. Schaefer Brewing Company. The two structures currently located on the project site were constructed in 1939 and 1940, and an addition was added to the two-story structure prior to 1979. At the time of AKRF's Phase I site inspection, the three-story structure was occupied by V.I.M., a

clothing and shoe warehouse, and by Street Beat, a cloth-cutting factory. The two-story structure was occupied by Certified Lumber, a building materials wholesale and retail store.

2.3 Previous Investigations

A Phase I Environmental Site Assessment (ESA) was performed by AKRF on the project site in January 2004. The ESA report included the findings of a site inspection, a visual survey for the presence of suspect asbestos-containing materials and lead-based paint, the evaluation of available historical information, and the interpretation of relevant federal and state environmental databases. The findings of this report are summarized below:

The regulatory databases, historical land-use atlases, and visual site inspection indicated that the project site and surrounding neighborhood have over a 100-year history of primarily manufacturing and industrial uses. Sanborn maps indicated that a Brooklyn Union manufactured gas plant (MGP) occupied the project site circa 1880 through sometime between 1887 and 1918. Other historical manufacturing uses for the project site include a stave yard, a molasses storage yard, a sugar refinery, a storage warehouse, and the F.M. Schaefer Brewing Company. Various light manufacturing facilities were historically located north, east and south of the project site, including a power house and a former MGP (Brooklyn Union Gas, Nassau Works) to the south of the property.

Twelve Comprehensive Environmental Response, Compensation and Liability Information System listings were identified within a one-mile radius of the project site, including two Brooklyn Union Gas manufactured gas plants: the former Peoples Works, which was historically located on the project site, and Nassau Works, which was historically located south of the project site on the northwest corner of the intersection of Cross Street and Kent Avenue. Both listings included a notation stating that one of the by-products during plant operating years was hydrocarbon tar, which was temporarily stored on the site until it was sold. According to the listings, Brooklyn Union Gas affirmed that when the Peoples Works was decommissioned in 1895 and when the Nassau Works was decommissioned in 1936, all remaining tars were removed and the facilities were razed.

Ten state Hazardous Substance Waste Disposal Sites were identified within a one-mile radius of the project site, including a listing for the Brooklyn Union Gas, Peoples Works, formerly located on the study site. The listing indicated that a coal gasification plant was operational on the study site from 1871 to 1895 and that when the plant was decommissioned in 1895, all remaining coal tars were removed and the facility was razed. In the listing, soil potentially contaminated with hydrocarbon tar was noted as a potential threat to the environment.

Six Solid Waste Facilities were identified within a one-mile radius of the study site, including a construction and demolition debris landfill listed as being located at the "foot of Division Avenue," which, based on this description, may be located on the project site. The exact location of this facility and the source of the fill material are not provided in the listing.

During the site inspection, several small metal plates were noted in the basement of the three-story building and on the first floor of the two-story building. A metal plate was noted in the paved area to the south of the buildings. Several areas of the pavement at the site were noted to have been patched. These conditions may reflect the presence of underground storage tanks (USTs). A Phase I Environmental Site Assessment Report prepared by Middleton Environmental, Inc., dated December 19, 2002, cited a fill cap on the south side of the three-story building on the project site. This fill cap was not observed during the site inspection by AKRF. A representative of the property owner interviewed by AKRF had no knowledge of current or

former tanks on the property. A review of the State regulatory records did not cite any USTs for the project site. As indicated in the 2002 Phase I study, a search of New York City Fire Department records for fuel (heating) oil tanks for the addresses 430-480 Kent Avenue did not identify any such tanks.

Hydraulic lifts associated with two garage bays on the southern side of the three-story building, freight elevators located in both the two-story building and the three-story building, and fork lifts noted in both structures may utilize PCB-containing petroleum products. Additionally, a utility-owned transformer vault that may contain PCB-containing petroleum products was noted on the Kent Avenue sidewalk outside of the three-story building.

Certified Lumber, which is the current occupant of the two-story structure on the project site, warehouses and sells building materials, including latex, paint, primer and other chemicals used in building construction. These chemicals were contained in one- to five-gallon containers and they were stored on pallets. The containers appeared to be in good condition at the time of inspection. A service area for forklifts was noted on the first floor of the two-story building located on the project site. This area included 55-gallons drums of fresh oil and waste oil stored on a pallet. A large printer and a 55-gallon drum of ammonium hydroxide were noted on the second floor of the three-story building. A small wood workshop was noted on the third floor of the building. An air compressor, saws, tools, paints and varnishes were noted in this area. The paints and varnishes were noted in one-gallon or smaller containers. No leaks or spills were noted in the vicinity of the stored chemicals.

3.0 FIELD ACTIVITIES

3.1 Sampling Protocol

A Phase II Sampling Protocol was developed in consultation with the NYCDEP to evaluate the nature and prevalence of potential subsurface contamination at locations within the subject property. The protocol was approved by the New York City Department of Environmental Protection (NYCDEP) in a letter dated December 16, 2004. The Sampling Protocol called for the advancement of 14 soil borings, 5 of which were completed as groundwater monitoring wells. The majority of the soil borings were sited within or immediately downgradient of historical on-site structures to investigate potential contamination associated with the former manufactured gas plant (MGP).

Consistent shallow refusal (1.5 feet below surface grade) was encountered in the area of proposed soil boring SB-10 preventing the collection of soil and groundwater samples at this location. As such, only 13 soil borings were advanced at the site as part of this investigation. Due to access limitations and the abundance of materials stored at the site, sampling locations SB-7 and SB-8 were combined in a central location as shown on Figure 2.

3.2 Soil Borings Investigation

Between July 29 and August 5, 2005, Aquifer Drilling and Testing, Inc. (ADT) of New Hyde Park, New York, advanced 12 soil borings throughout the subject property. A direct push drill rig was used to advance the soil borings into the subsurface. Soil samples were collected on a continuous basis using a four-foot long, 1.5-inch diameter Macrocore sampler fitted with disposable acetate-liners. Soil samples were advanced to a minimum depth of 10' below the water table. In areas with evidence of MGP contamination, borings were to be advanced at least 5' below the contamination interval (or minimally 10'below groundwater), to a maximum of 32'

below grade. However, as no evidence of MGP contamination was detected during this investigation, the borings were not advanced more than 10' below the water table.

Recovered soil was transferred from each split spoon into a sealable plastic bag. Soil gas was screened by placing the probe of a photoionization detector (PID) inside the plastic bag. Two soil samples from each of the soil borings were selected for laboratory analysis based on PID response and other indications of contamination (visual staining and odors). Where no evidence of contamination was apparent in any boring location, one sample was collected near the surface (0-2') and one sample was collected from the soil/groundwater interface. At each boring location, AKRF field personnel recorded subsurface conditions, including any evidence of contamination (e.g., oil-like or tar-like NAPL, staining, sheens, odors).

The soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to Severn Trent Laboratories, Inc. of Shelton, Connecticut. Soil samples were analyzed for volatile organic compounds (VOCs - EPA Method 8260), semivolatile organic compounds (SVOCs - EPA Method 8270), pesticides (EPA Method 8081), polychlorinated biphenyls (PCBs - EPA Method 8082), target analyte list (TAL) metals, and Cyanide (EPA Method 9012).

3.3 Groundwater Investigation

Five of the thirteen soil borings were retrofitted with monitoring wells using two-inch, Schedule 40, threaded, flush-joint PVC well materials, in accordance with RCRA monitoring well installation procedures. A locking well cap and flush-mount well cover were installed upon completion of each well. Following the completion of well construction, each well was developed using a 2-inch submersible pump and dedicated teflon tubing. Turbidity was measured using a nephelometer, and the well was developed until the reading was 50 Nephelometric Turbidity Units (NTU) or less, or until at least three well volumes have been evacuated. All well development water was containerized in 55-gallon drums for off-site disposal. Soil boring logs and well installation diagrams are provided in Appendix A.

In accordance with EPA protocols, the monitoring wells were not sampled for at least seven days after development to allow for well stabilization. Between August 21 and 23, 2005, groundwater samples were collected from the wells using the low-flow methods into laboratory-supplied containers according to EPA protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to Alpha Analytical Laboratories. Prior to sampling, an electronic interface meter was used to measure water levels and thickness of free product, if any. No free phase product was detected in any of the sampled monitoring wells. Temperature, pH, specific conductivity and turbidity were recorded during the low-flow purging of the wells and allowed to stabilize in accordance with the Sampling Protocol prior to sampling. Groundwater samples were analyzed for volatile organic compounds (EPA Method 8260), semivolatile organic compounds (EPA Method 8270), polychlorinated biphenyls (PCBs), pesticides (EPA Method 8082) and target analyte list (TAL) metals (both filtered and unfiltered samples).

3.4 Field Analytical Results

Recovered soil at each boring was transferred from the sampler into sealable plastic bags. The headspace of each sample was screened for volatile organic compounds (VOCs) by placing the probe of a calibrated Model 580B photoionization detector (PID) inside the plastic bags. Headspace readings ranged from not detected (the majority of the samples) to 20.9 parts per million (ppm) at soil boring location SB/MW-12, with PID readings detected in SB/MW-11 and SB/MW-12 only. Soil samples collected from the soil boring locations throughout the study site

area generally consisted of brown sand and silt, with fine gravel and fill material (brick, asphalt, glass, wood, coal, and ash). Petroleum-like odors were noted in soil samples from SB/MW-12 and MW-14. Creosote-like odors were noted in soil from borings SB-2, SB-4, SB/MW-11, SB-MW-12, and SB-14. Marsh gas-like odors (sulfer-like) were noted below the water table in 6 of the soil borings advanced.

The depth to water was measured from the top of casing in the monitoring wells during groundwater sampling on August 21 and August 23, 2005. The depth to water ranged from approximately 8.15 feet below grade in MW-9 to 10.60 feet below grade in MW-1. No sheens or odors were noted in the groundwater sampled. No free product was encountered.

A shallow refusal was consistently encountered in the area of proposed soil boring SB-10 during the soil boring investigation. AKRF personnel noted a rocky surface at approximately 1.5 feet below surface grade consisting of micaceous schist. Based on the solid nature of the rock, it was determined that the refusal was likely boulders. This refusal prevented the advancement of a soil boring in this area of the project site.

It should be noted that due to limited quantities of soil recovered from soil sample locations SB-4 (6-7) and SB-9 (6-7), these samples were only analyzed for volatile organic compounds (VOCs). Based on field observations, a third soil sample was collected from soil boring SB-5. Soil from soil boring SB-5 was found to contain a notable amount of coal slag and ash as compared with other borings.

4.0 SOIL ANALYTICAL RESULTS

Twenty five (25) discrete soil samples were collected from twelve (12) soil borings for laboratory analysis as part of this investigation. Soil sample analytical results were compared to the Recommended Soil Cleanup Objectives (RSCO) outlined in the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046. Results of the soil metals analyses were also compared to established Eastern United States background levels for soil in urban areas. Soil sample analytical results are presented in Tables 1, 2, 3 and 4. Soil descriptions, observations, and Photoionization Detector (PID) readings were recorded on the soil boring logs provided in Appendix A. The laboratory analytical data sheets are provided in Appendix B.

Volatile Organic Compounds (VOCs)

Soil analytical results for volatile organic compounds (VOCs) are presented in Table 1. VOCs were detected in all 25 of the soil samples collected from the project site. The majority of these compounds were detected below their respective TAGM RSCOs. Some of the detected compounds were listed as "J" values, indicating that the compound was below quantification limits and was an estimated value. VOCs were detected at concentrations exceeding TAGM guidelines in soil samples SB-5 (6-8), SB-11 (8-9) and SB-12 (8-9). These compounds included benzene, ethylbenzene, toluene, and xylenes (BTEX), which are typically associated with gasoline contamination but can also be associated with MGP operations. Acetone, chloroform and methylene chloride were also detected above the TAGM guidelines. Based on the analytical data, the acetone and methylene chloride detections in any of the soil samples are considered laboratory contaminants and are not likely evidence of contamination from past on-site activities. The chloroform detection was listed as a "J" value.

Soil samples SB-5 (6-8), SB-11 (8-9) and SB-12 (8-9) were diluted by factors of 10, 5, and 5, respectively, during the laboratory analytical process due to the elevated levels target compounds. Therefore, the quantification limits were elevated above the RSCOs and other VOCs may be present in these samples that were not at reportable levels. The detected BTEX compounds, typically associated with gasoline, may reflect impact from past or current on-site petroleum storage. As noted in the soil boring logs, elevated PID readings were noted in soil samples SB-11 (8-9) and SB-12 (8-9) during the sample collection and SB-11 (8-9) exhibited petroleum-like odors. Elevated VOC concentrations of VOCs in SB-5 (6-8) may be due to the presence of coal slag and ash observed by AKRF in the soil from that boring.

Tetrachloroethene and trichloroethene were detected in soil sample SB-13 (7-9) at concentrations of 9.5 parts per billion (ppb) and 7.5 ppb, respectively, below the TAGM guidelines. These compounds are typically associated with the use of solvents and may be indicative of contamination from past on-site activities. Based on historic Sanborn maps, SB-13 (7-9) was collected from within a manufactured gas plant gas holder structure.

The low levels of other VOCs detected in the remainder of the soil samples analyzed are likely reflective of impact from poor quality urban fill material at the site and are not necessarily indicative of contamination from past on-site operations.

Semivolatile Organic Compounds (SVOCs)

Soil analytical results for semivolatile organic compounds (SVOCs) are presented in Table 4. SVOCs were detected in twenty (20) of the twenty three (23) soil samples analyzed for SVOCs, primarily at concentrations below the TAGM RSCOs. Compound concentrations were found to exceed TAGM guidance values in 15 of the samples. Most of the samples analyzed for SVOCs were uniformly diluted by a factor of 10 to bring the surrogate and spike compounds into the calibration range. According to the laboratory analytical case narrative, this did not affect the reporting limits. Any sample diluted by a greater factor than 10 is considered a dilution performed to bring target compounds into calibration range, which is discussed further in the paragraphs below.

Nineteen SVOCs were detected in soil sample SB-5 (6-8) at concentrations above the TAGM RSCOs. The soil sample was diluted by a factor of 200. Due to the dilutions, the quantification limits were elevated above the RSCO concentrations and other SVOCs may be present in these samples that were not at reportable levels. Many of the SVOCs detected were polycyclic aromatic hydrocarbons (PAHs). Based on the nature and concentration of compounds detected, these levels likely reflect the presence of coal ash or coal slag, which were identified in this section of soil during the investigation, as noted on the soil boring logs (Appendix A). As discussed previously, VOC concentrations exceeding TAGM RSCOs were also detected in this sample.

Soil samples SB-11 (1-3) and SB-11 (8-9) were diluted in the laboratory by factors of 50 and 2,000, respectively. Nineteen, SVOCs were detected in the samples, many of which were at concentrations above TAGM guidelines. Creosote-like odors and a slight sheen were noted in sample SB-11 (8-9), which was collected at the groundwater interphase (approximately 9 feet below grade) and for which the SVOC concentrations detected were higher. These levels may be indicative of the presence of creosote or other petroleum product and may reflect contamination at the surface of the water table.

The majority of the SVOCs detected in the remainder of the soil samples were polycyclic aromatic hydrocarbons (PAHs) at lesser concentrations than those discussed in the aforementioned soil samples. Still, some of the detected concentrations were above the TAGM

RSCOs. However, the type of compounds and levels detected were typical of urban fill material encountered in industrial areas of New York City and are not likely indicative of environmental contamination from former operations.

Metals

Soil analytical results for metals are presented in Table 3. Metals were detected in all of the soil samples collected. The majority of the concentrations were either below the TAGM RSCOs or within normal background levels established for eastern U.S. soils. Some metals were detected above established background levels in some of the samples. In particular, arsenic was detected at a concentration of 13.8 parts per million (ppm) in soil sample SB-12 (1-3), slightly above the eastern U.S. background level of 12 ppm. Mercury was detected above the eastern background level of 0.2 ppm in 14 of the 23 samples analyzed, at concentrations ranging from 0.02 ppm in SB-9 (8-9) to 1.9 ppm in SB-2 (8-9). However, based on the type and distribution of the identified metals concentrations, these and other above background levels detected are most likely attributable to deposition of urban fill during past development activities and are not indicative of environmental contamination from historic operations on-site.

Cyanide was detected in 15 of the 23 soil samples analyzed, at concentrations ranging from 0.0771 ppm in SB-7/8 (8-9) to 8.57 ppm in SB-11 (8-9). TAGM 4046 does not list a RSCO or an eastern U.S. background level for cyanide. The EPA Region III Risk-Based Concentrations (RBCs) for cyanide in soil is 41,000 ppm for industrial uses and 1,600 ppm for residential uses. None of the detected cyanide concentrations detected by this Phase II study exceeded these RBCs. Cyanide is often used in electroplating, metallurgy, organic chemicals production, photographic developing, manufacture of plastics, fumigation of ships, and some mining processes. It is also associated with the byproducts of manufactured gas production. However, based on their random distribution low concentration, these detections of cyanide are likely attributable to poor quality urban fill material at the site.

PCBs and Pesticides

Soil analytical results for PCBs and pesticides are presented in Table 4. PCBs were detected in 8 of the 23 samples analyzed at concentrations ranging from 4.8 ppb in SB-9 (0.5-2) to 49 ppb in SB-11 (8-9). These levels are below the TAGM RSCOs of 1,000 ppb for surface soils and 10,000 ppb for subsurface soils. Based on the concentrations and distribution of PCBs in the samples, the detected levels are likely attributable to the quality of urban fill material at the site.

Pesticides were detected in 19 of the 23 samples analyzed. Heptachlor epoxide was detected at concentrations of 90 ppb in sample SB-5 (6-8) and 45 ppb in sample SB-11 (8-9). This is above the TAGM RSCO of 20 ppb. The remainder of the pesticides detected in the samples were at concentrations below the TAGM RSCOs. Based on their levels and distribution, the concentrations of pesticides detected, including the TAGM exceedances in SB-5 (6-8) and SB-11 (8-9), are likely due to poor quality urban fill material at the site on not to past on-site pesticide use.

5.0 GROUNDWATER ANALYTICAL RESULTS

Five (5) groundwater samples were collected for laboratory analysis as part of this investigation. Groundwater sample analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards, although groundwater is not a source of potable water in Brooklyn. The

groundwater analytical results are presented in Tables 5, 6, 7, 8 and 9. The laboratory analytical data sheets are provided in Appendix B.

Volatile Organic Compounds (VOCs)

Groundwater analytical results for VOCs are presented in Table 5. VOCs were detected in all 5 groundwater samples analyzed. VOCs were detected at concentrations above their respective Class GA standards in 4 of the samples (MW-1, MW-5, MW-11 and MW-12). BTEX (benzene, toluene, ethylbenzene and xylenes) compound concentrations were found to exceed Class GA standards in samples MW-11 and MW-12. These compounds are typically associated with impacts from gasoline but can also be related to MGP containation. Naphthalene, also detected above Class GA standards in MW-11 and MW-12, is also typically associated with petroleum product. A petroleum-like odor was noted during advancement of soil boring SB/MW-12. The analytical results are likely reflective of gasoline contamination in this area of the property. Methylene chloride, acetone and 2-butanone were also detected above the Class GA standards, although the concentrations were listed as "J" values indicating that the compound was below quantification limits.

Compounds detected in MW-1, MW-5, MW-9 included acetone, benzene, cis-1 2-dichloroethene, ethylbenzene, toluene, vinyl chloride and xylenes. Benzene and vinyl chloride were detected above Class GA standards. Most of the concentrations were listed as "J" values. The BTEX compounds may be reflective of some trace to low levels of gasoline contamination in the local groundwater or may reflect the effects of poor quality urban fill. Methylene chloride and acetone are common laboratory contaminants and are not necessarily reflective of contamination from historic operations. In fact, the methylene chloride was also detected in the field blank for this study. The vinyl chloride concentration may reflect contamination from the past use of solvents but it may also be related to impact from poor quality of urban fill material. The remainder of the detected levels of VOCs are likely reflective of poor quality urban fill material and are not necessarily indicative of contamination from past on-site releases or spills.

Semivolatile Organic Compounds (SVOCs)

Groundwater analytical results for SVOCs are presented in Table 6. SVOCs were detected in 4 of the 5 groundwater samples collected from the project site. The SVOCs concentrations were above their respective Class GA standards in samples MW-1, MW-11 and MW-12. Eight SVOCs were detected in MW-11 and MW-12, seven of which were above the Class GA standards. Naphthalene was detected at concentrations of 2,200 ppb and 330 ppb respectively, above the Class GA standard of 10 ppb. These results are likely reflective of petroleum contamination, which was also noted for the VOC analyses of these two samples. The remainder of the SVOCs detected were either below the Class GA standards or listed as "J" values.

Sample MW-5 indicated the presence of only 1 compound, naphthalene, which was below the Class GA standard and listed as a "J" value. This detection is likely due to the presence of coal slag and ash in the sample and is consistent with the concentrations of VOCs detected in the sample. SVOC concentrations exceeding the Class GA standards in MW-1 comprised benzo(a)anthracene, benzo(b)fluoranthene, and chrysene; however, based on the levels, they are most likely attributable to poor quality urban fill material on-site.

Metals

Groundwater analytical results for total and dissolved metals are presented in Tables 7 and 8, respectively. Total and dissolved metals were detected in all of the groundwater samples collected. Most of the concentrations were below the NYSDEC Class GA Ambient Water

Quality Standards. However, total metals exceeding the Class GA standards detected in the groundwater samples analyzed included chromium, iron, lead, magnesium, mercury, sodium and thallium. Dissolved metals exceeding the Class GA standards were detected included only iron, magnesium, manganese, mercury and sodium. The fact that more total metals levels were found to exceed the standards is likely due to the suspended sediments in the collected sample and not indicative of contamination from former on-site operations. The elevated dissolved metals are also typical of groundwater quality encountered in industrial areas of New York City and are not necessarily reflective of contamination from past operations.

PCBs and Pesticides

Groundwater analytical results for PCBs and Pesticides are presented in Table 9. PCBs were detected in groundwater sample MW-12 only, at a concentration of 0.34 ppb. This is above the Class GA standard of 0.09 ppb for total PCBs. However, the concentration is listed as a "J" value and, based on the data, is likely due to the urban fill material and not from past on-site activities.

Pesticides were detected in 4 of the 5 samples analyzed. Heptachlor epoxide was detected in MW-1 and MW-11 at concentrations of 0.82 ppb and 0.86 ppb, respectively. This is above the Class GA standard of 0.03 ppb. This pesticide was also detected in soil sample SB-5 (6-8). All other pesticides detected were below the Class GA standards. Based on the analytical data, the detected pesticides are likely attributable to the urban fill material and do not reflect contamination from on-site pesticide use.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Twenty five (25) discrete soil samples and five (5) groundwater samples were collected from twelve (12) soil borings and five (5) monitoring wells for laboratory analysis as part of this investigation. Most of the soil and groundwater samples analyzed as part of this Phase II study were found to contain elevated concentrations of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), metals and, in some cases, pesticides, that are likely associated with poor quality urban fill material rather than specific past or current releases or spills. However, the concentrations of certain analytes detected in certain soil and groundwater samples may be reflective of contamination from past petroleum storage and/or historic industrial or manufacturing operations.

Elevated VOC and semivolatile organic compounds (SVOC) concentrations were detected in sample SB-5 (6-8). Based on the nature and concentration of compounds detected, these levels are likely from the presence of coal ash or coal slag, which were identified in this section of soil during the investigation. Benzene, Toluene, xylenes and naphthalene were detected in the groundwater sample from SB/MW-5. This may be attributable in part to the presence of coal slag and ash in the soil at this location, though it may also reflect some impact from gasoline contamination as a result of the industrial history of the area.

Soil and groundwater analytical results revealed the presence of BTEX and certain semivolatile organic compounds (SVOCs) at sample locations SB/MW-11 and SB/MW-12 consistent with the presence of gasoline contamination. Petroleum-like odors were noted in the soil during the advancement of SB/MW-12. The contamination appeared to be concentrated at the surface of the water table and may indicate releases from nearby gasoline underground storage tanks (USTs) formerly used at the subject property.

Trichloroethene and tetrachloroethene were detected below TAGM guidelines in soil sample SB-13 (7-9), collected at the groundwater interface. The compounds are often associated with the use of solvents and may be indicative of contamination to groundwater from past on-site activities or general groundwater quality typically encountered in industrial areas of Brooklyn. This sample was collected from within the three-story warehouse and, based on historic Sanborn maps, was collected from within a manufactured gas plant gas holder structure.

It is AKRF's understanding that development of the subject property would involve demolition of the existing buildings, followed by excavation of existing fill and soil. The majority of the fill/soil sampled was found to contain elevated concentrations of contaminants, which are primarily associated with poor quality urban fill material in industrial areas of Brooklyn. Such soil, when excavated for site development, would need to be managed and disposed of in accordance with applicable federal, state, and local requirements. Where specific soil contamination is known (e.g., at soil boring locations SB/MW-11 and SB/MW-12 and SB/MW-5), or where soil contamination is discovered during future excavation of areas not tested as part of this study, delineation and segregation might be required prior to off-site disposal. In particular, soil contaminated with coal slag and ash or petroleum product will require disposal at an appropriate receiving facility. As with any soil excavation and disposal activities in New York City, soil should be tested prior to off-site transport in accordance with all regulations and in accordance with the requirements of the specific receiving facility.

The analytical results of the groundwater samples revealed the presence of varying levels of contaminants, which in some cases were above the NYSDEC Class GA Ambient Water Quality Standards, though groundwater in Brooklyn is not used as a potable source. Nonetheless, as previously discussed, potential gasoline contamination to groundwater was detected at certain sampling locations. Excavation of the site for development purposes may reveal more significant groundwater contamination

in areas not tested as part of this Phase II study. If discovered, such contamination could require further investigation and/or remediation in accordance with NYSDEC requirements. If dewatering is necessary for site development purposes, the groundwater may require treatment during the dewatering handling and discharge process. Prior to initiating any dewatering activities, a groundwater sample should be analyzed to insure it meets the New York City Department of Environmental Protection (NYCDEP) criteria for effluent to municipal sewers and/or the New York State Department of Environmental Conservation (NYSDEC) requirements for discharge to the East River, should these be the selected course of action for development.

Based on a review of historic Sanborn maps, the subject property was identified to contain former manufactured gas plant (MGP) structures of the Brooklyn Union Gas Company, a property previously owned by Keyspan. This site is likely part of an existing multi-property Voluntary Cleanup Program (VCP) agreement in which Keyspan energy has committed to New York State Department of Environmental Conservation (NYSDEC) to investigate and remediate all of its former MGP properties. Any development of the site would need to have approval from the NYSDEC and would be contingent on remediation of potential MGP contamination to the satisfaction of the NYSDEC. The timing of the performance of any further investigation/remediation (whether by Keyspan Energy or others) and/or site development should factor this issue into future development plans.

The field screening and analytical results of this Phase II study did not reveal the presence of significant contamination associated with adverse impacts from former MGP facilities. Although some of the VOCs and SVOCs detected in the analyses are often found to be related to contamination from MGP operations (i.e., BTEX, naphthalene, etc.), in general, based on the overall results of the investigation, the elevated VOCs and SVOCs detected here are more likely attributable to impacts from past petroleum storage or poor quality fill material. AKRF did not encounter any evidence of MGP structures on-site during the subsurface investigation; however, MGP structures can be variable in size and can comprise small sumps and pits to very large gas holders. The scope of this investigation was limited to studying the soil and groundwater quality and would not be sufficient to satisfy DEC requirements for a comprehensive investigation of MGP sites.

7.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Certified Lumber. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

TABLES

Key to Symbols and Terms

NA	No guideline or standard exists.
J	Denotes and estimated value. Compound was detected at a concentration below the detection limit.
M	Manually intergrated compound.
U	Analyte was not detected at or above the detection limit.
B	Result is less than the reporting limit, but greater than or equal to the method or instrument detection limit.
N	Spike recovery exceeds the upper or lower control limits.
H	Alternate peak selection upon analytical review.
ppb	parts per billion
ppm	parts per million
ND	Non Detect
SB	Site Background
TAGM	Technical and Administrative Guidance Memorandum
RSCOs	Recommended Soil Cleanup Objectives

TABLE 1

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Volatile Organic Compounds

Dilution		1	1	1	1	1	1	1	1	1
Method Blank		MB-52875	MB-52875	MB-52875	MB-52875	MB-52875	MB-52875	MB-53116	MB-53116	MB-52766
Client ID	TAGM	SB-1(1-2)	SB-1(10-11)	SB-2(1-3)	SB-2(8-9)	SB-3(1-3)	SB-3(6-7)	SB-4(1-3)	SB-4(6-7)	SB-5(1-3)
Lab Sample ID	4046	210358-011	210358-012	210358-013	210358-014	210358-015	210358-016	210417-003	210417-004	210358-005
Date Sampled	RSCO	7/29/2005	7/29/2005	7/31/2005	7/31/2005	7/31/2005	7/31/2005	8/5/2005	8/5/2005	7/29/2005
Units	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Compound										
1 1 1-Trichloroethane	800	1.9 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U
1 1 2 2-Tetrachloroethane	600	0.59 U	0.59 U	0.53 U	0.55 U	0.57 U	0.57 U	0.57 U	0.6 U	0.57 U
1 1 2-Trichloroethane	NA	0.71 U	0.71 U	0.63 U	0.66 U	0.68 U	0.69 U	0.69 U	0.72 U	0.68 U
1 1-Dichloroethane	200	1.5 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
1 1-Dichloroethene	400	2.4 U	2.4 U	2.1 U	2.2 U	2.3 U	2.3 U	2.3 U	2.4 U	2.3 U
1 2-Dichloroethane	100	2.1 U	2.1 U	1.9 U	2 U	2.1 U	2.1 U	2.1 U	2.2 U	2 U
1 2-Dichloropropane	NA	1.3 U	1.3 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
2-Butanone (MEK)	300	2.7 U	2.7 U	2.4 U	2.5 U	2.6 U	2.6 U	2.6 U	2.8 U	2.6 U
2-Hexanone	NA	2.7 U	2.7 U	2.4 U	2.5 U	2.6 U	2.6 U	2.6 U	2.8 U	2.6 U
4-Methyl-2-pentanone (MIBK)	1,000	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Acetone	200	18 B	13 B	10 JB	12 B	13 B	9.4 JB	10 JB	150 B	9.5 JB
Benzene	60	6.1	3.3 J	7.9	1.5 U	1.6 U	1.6 U	1.6 U	4.2 J	15
Bromodichloromethane	NA	1.1 U	1.1 U	0.95 U	0.99 U	1 U	1 U	1 U	1.1 U	1 U
Bromoform	NA	0.71 U	0.71 U	0.63 U	0.66 U	0.68 U	0.69 U	0.69 U	0.72 U	0.68 U
Bromomethane	NA	2.6 U	2.6 U	2.3 U	2.4 U	2.5 U	2.5 U	2.5 U	2.7 U	2.5 U
Carbon disulfide	2,700	2 U	2 U	1.8 U	1.9 U	1.9 U	2 U	1.9 UB	17 B	1.9 U
Carbon tetrachloride	600	2.5 U	2.5 U	2.2 U	2.3 U	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U
Chlorobenzene	1,700	1.3 U	1.3 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroethane	1,900	3.4 U	3.4 U	3.1 U	3.2 U	3.3 U	3.3 U	3.3 U	3.5 U	3.3 U
Chloroform	300	1.3 U	1.3 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloromethane	NA	1.9 U	1.9 U	1.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U
cis-1 2-Dichloroethene	100	1.4 U	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	3.6 J	1.4 U
cis-1 3-Dichloropropene	NA	0.47 U	0.48 U	0.42 U	0.44 U	0.46 U	0.46 U	0.46 U	0.48 U	0.46 U
Dibromochloromethane	NA	0.59 U	0.59 U	0.53 U	0.55 U	0.57 U	0.57 U	0.57 U	0.6 U	0.57 U
Ethylbenzene	5,500	2.1 U	2.1 U	1.9 U	2 U	2.1 U	2.1 U	2.1 U	2.7 J	2 U
Methylene chloride	100	12 B	10 JB	11 B	8.4 JB	13 B	14 B	15 B	59 B	12 B
Methyl-tert-butyl-ether (MTBE)	NA	0.35 U	0.36 U	0.32 U	0.33 U	0.34 U	0.34 U	0.34 U	0.36 U	0.34 U
Styrene	NA	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U
Tetrachloroethene	1,400	2.2 U	2.3 U	3.7 J	2.1 U	2.2 U	2.2 U	2.2 U	2.7 J	4.6 J
Toluene	1,500	5.7 J	2.8 J	4.5 J	1.9 U	1.9 U	2 J	1.9 U	2.3 J	8.4
trans-1 2-Dichloroethene	300	1.6 U	1.7 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.7 U	1.6 U
trans-1 3-Dichloropropene	NA	0.59 U	0.59 U	0.53 U	0.55 U	0.57 U	0.57 U	0.57 U	0.6 U	0.57 U
Trichloroethene	700	27	11	11	4.7 J	27	28	12	96	19
Vinyl chloride	200	2.4 U	2.4 U	2.1 U	2.2 U	2.3 U	2.3 U	2.3 U	2.4 U	2.3 U
Xylenes (total)	1,200	5.3 U	5.3 U	4.8 U	4.9 U	5.1 U	5.2 U	5.2 U	5.4 U	5.1 U

TABLE 1

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Volatile Organic Compounds

Dilution		10	1	1	1	1	1	1	1	1
Method Blank		MB-53211	MB-52766	MB-53206	MB-53206	MB-52875	MB-52875	MB-52766	MB-52766	MB-52766
Client ID	TAGM	SB-5(6-8)	SB-5(8-9)	SB-6(1-2)	SB-6(6-7)	SB-7/8(1-3)	SB-7/8(8-9)	SB-9(0.5-2)	SB-9(6.5-7)	SB-11(1-3)
Lab Sample ID	4046	210417-007	210358-006	210417-001	210417-002	210358-017	210358-018	210358-003	210358-004	210358-007
Date Sampled	RSCO	8/5/2005	7/29/2005	8/5/2005	8/5/2005	7/31/2005	7/31/2005	7/29/2005	7/29/2005	7/29/2005
Units	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Compound										
1 1 1-Trichloroethane	800	480 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
1 1 2 2-Tetrachloroethane	600	480 U	0.57 U	0.56 U	0.57 U	0.57 U	0.59 U	0.57 U	0.57 U	0.56 U
1 1 2-Trichloroethane	NA	720 U	0.68 U	0.67 U	0.68 U	0.68 U	0.7 U	0.69 U	0.69 U	0.68 U
1 1-Dichloroethane	200	720 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1 1-Dichloroethene	400	840 U	2.3 U	2.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
1 2-Dichloroethane	100	720 U	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U
1 2-Dichloropropane	NA	1,100 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U
2-Butanone (MEK)	300	1,400 U	2.6 U	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
2-Hexanone	NA	960 U	2.6 U	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
4-Methyl-2-pentanone (MIBK)	1,000	840 U	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
Acetone	200	4,800 JB	7 JB	9.5 JB	18 B	14 B	13 B	11 JB	13 B	11 JB
Benzene	60	4,400 J	1.6 U	2.2 J	1.6 U	2.3 J	1.6 UH	4.6 J	4.3 J	15
Bromodichloromethane	NA	480 U	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1 U
Bromoform	NA	960 U	0.68 U	0.67 U	0.68 U	0.68 U	0.7 U	0.69 U	0.69 U	0.68 U
Bromomethane	NA	1,400 U	2.5 U	2.5 U	2.5 U	2.5 U	2.6 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	2,700	1,100 U	1.9 U	5.9	4.8 J	1.9 U	2 U	1.9 U	1.9 U	4.7 J
Carbon tetrachloride	600	1,200 U	2.4 U	2.4 U	2.4 U	2.4 U	2.5 U	2.4 U	2.4 U	2.4 U
Chlorobenzene	1,700	480 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U
Chloroethane	1,900	960 U	3.3 U	3.3 U	3.3 U	3.3 U	3.4 U	3.3 U	3.3 U	3.3 U
Chloroform	300	840 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U
Chloromethane	NA	600 U	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U	1.8 U	1.8 U	1.8 U
cis-1 2-Dichloroethene	100	720 U	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
cis-1 3-Dichloropropene	NA	600 U	0.46 U	0.45 U	0.45 U	0.45 U	0.47 U	0.46 U	0.46 U	0.45 U
Dibromochloromethane	NA	600 U	0.57 U	0.56 U	0.57 U	0.57 U	0.59 U	0.57 U	0.57 U	0.56 U
Ethylbenzene	5,500	4,200 J	2 U	2 U	2 U	2 U	2.1 U	2.1 U	2.1 U	2 U
Methylene chloride	100	3,300 JB	6.4 JB	23	15	8.2 JB	8.9 JB	8 JB	6.7 JB	12 B
Methyl-tert-butyl-ether (MTBE)	NA	360 U	0.34 U	0.34 U	0.34 U	0.34 U	0.35 U	0.34 U	0.34 U	0.34 U
Styrene	NA	4,200 J	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	1,400	600 U	2.4 J	2.1 U	2.2 U	5.5 J	2.2 U	2.2 U	2.2 U	2.1 U
Toluene	1,500	14,000	1.9 U	1.9 J	1.9 U	1.9 U	2 U	2.7 J	1.9 U	7.1
trans-1 2-Dichloroethene	300	600 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
trans-1 3-Dichloropropene	NA	360 U	0.57 U	0.56 U	0.57 U	0.57 U	0.59 U	0.57 U	0.57 U	0.56 U
Trichloroethene	700	840 U	2.3 J	55	21	4.1 J	3 J	7.5	5.2 J	23
Vinyl chloride	200	960 U	2.3 U	2.2 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U
Xylenes (total)	1,200	56,000	5.1 U	5.1 U	5.1 U	5.1 U	5.3 U	5.2 U	5.2 U	5.1 U

TABLE 1

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Volatile Organic Compounds

Dilution		5	1	5	1	1	1	1	1	1
Method Blank		MB-52953	MB-52766	MB-52953	MB-52766	MB-52766	MB-52875	MB-52766	MB-52803	MB-52803
Client ID	TAGM	SB-11(8-9)	SB-12(1-3)	SB-12(8-9)	SB-13(0.5-2)	SB-13(7-9)	SB-14(1-3)	SB-14(6-7)	FIELD BLANK	TRIP BLANK
Lab Sample ID	4046	210358-008	210358-009	210358-010	210358-001	210358-002	210358-021	210358-022	210358-019	210358-020
Date Sampled	RSCO	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/29/2005	7/31/2005	7/31/2005	7/31/2005	7/31/2005
Units	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Compound										
1 1 1-Trichloroethane	800	220 U	1.8 U	240 U	1.8 U	1.9 U	1.8 U	1.9 U	0.4 U	0.4 U
1 1 2 2-Tetrachloroethane	600	220 U	0.56 U	240 U	0.57 U	0.58 U	0.56 U	0.59 U	0.4 U	0.4 U
1 1 2-Trichloroethane	NA	330 U	0.67 U	360 U	0.68 U	0.7 U	0.67 U	0.71 U	0.6 U	0.6 U
1 1-Dichloroethane	200	330 U	1.4 U	360 U	1.5 U	1.5 U	1.4 U	1.5 U	0.6 U	0.6 U
1 1-Dichloroethene	400	390 U	2.2 U	420 U	2.3 U	2.3 U	2.2 U	2.4 U	0.7 U	0.7 U
1 2-Dichloroethane	100	330 U	2 U	360 U	2.1 U	2.1 U	2 U	2.1 U	0.6 U	0.6 U
1 2-Dichloropropane	NA	500 U	1.2 U	550 U	1.3 U	1.3 U	1.2 U	1.3 U	0.9 U	0.9 U
2-Butanone (MEK)	300	660 U	2.6 U	730 U	2.6 U	2.7 U	2.6 U	2.7 U	1.2 U	1.2 U
2-Hexanone	NA	440 U	2.6 U	490 U	2.6 U	2.7 U	2.6 U	2.7 U	0.8 U	0.8 U
4-Methyl-2-pentanone (MIBK)	1,000	390 U	1.1 U	420 U	1.1 U	1.2 U	1.1 U	1.2 U	0.7 U	0.7 U
Acetone	200	2,700 JB	15 B	18,000 B	10 JB	12 B	13 B	11 JB	1.4 UB	4 JB
Benzene	60	9,800	7.2	2,000 J	1.9 J	5.3 J	22	2.3 J	0.4 U	0.4 U
Bromodichloromethane	NA	220 U	1 U	240 U	1 U	1.1 U	1 U	1.1 U	0.4 U	0.4 U
Bromoform	NA	440 U	0.67 U	490 U	0.68 U	0.7 U	0.67 U	0.71 U	0.8 U	0.8 U
Bromomethane	NA	660 U	2.4 U	730 U	2.5 U	2.6 U	2.4 U	2.6 U	1.2 U	1.2 U
Carbon disulfide	2,700	500 U	28	550 U	3.9 J	4.3 JH	1.9 U	2 U	0.9 U	0.9 U
Carbon tetrachloride	600	550 U	2.3 U	610 U	2.4 U	2.5 U	2.3 U	2.5 U	1 U	1 U
Chlorobenzene	1,700	220 U	1.2 U	240 U	1.3 U	1.3 U	1.2 U	1.3 U	0.4 U	0.4 U
Chloroethane	1,900	440 U	3.2 U	490 U	3.3 U	3.4 U	3.2 U	3.4 U	0.8 U	0.8 U
Chloroform	300	390 U	1.2 U	610 J	1.3 U	1.3 U	1.2 U	1.3 U	0.7 U	0.7 U
Chloromethane	NA	280 U	1.8 U	300 U	1.8 U	1.9 U	1.8 U	1.9 U	0.5 U	0.5 U
cis-1 2-Dichloroethene	100	330 U	1.3 U	360 U	1.4 U	1.4 U	1.3 U	1.4 U	0.6 U	0.6 U
cis-1 3-Dichloropropene	NA	280 U	0.44 U	300 U	0.46 U	0.47 U	0.45 U	0.47 U	0.5 U	0.5 U
Dibromochloromethane	NA	280 U	0.56 U	300 U	0.57 U	0.58 U	0.56 U	0.59 U	0.5 U	0.5 U
Ethylbenzene	5,500	16,000	2 U	20,000	2.1 U	2.1 U	2 U	2.1 U	1 U	1 U
Methylene chloride	100	490 JB	8.1 JB	550 JB	6.3 JB	8.1 JB	8.4 JB	7.3 JB	0.69 JB	7.9 B
Methyl-tert-butyl-ether (MTBE)	NA	170 U	0.33 U	180 U	0.34 U	0.35 U	0.33 U	0.36 U	0.3 U	0.3 U
Styrene	NA	15,000	1.1 U	300 U	1.1 U	1.2 U	1.1 U	1.2 U	0.5 U	0.5 U
Tetrachloroethene	1,400	280 U	2.1 U	300 U	2.2 U	9.5	2.1 U	2.3 U	0.5 U	0.5 U
Toluene	1,500	64,000	1.9 U	10,000	1.9 U	2.2 J	16	2 U	0.3 U	0.3 U
trans-1 2-Dichloroethene	300	280 U	1.6 U	300 U	1.6 U	1.6 U	1.6 U	1.7 U	0.5 U	0.5 U
trans-1 3-Dichloropropene	NA	170 U	0.56 U	180 U	0.57 U	0.58 U	0.56 U	0.59 U	0.8 U	0.8 U
Trichloroethene	700	390 U	1.9 U	420 U	1.9 U	7.5	5.4 J	2.9 J	0.7 U	0.7 U
Vinyl chloride	200	440 U	2.2 U	490 U	2.3 U	2.3 U	2.2 U	2.4 U	0.8 U	0.8 U
Xylenes (total)	1,200	220,000	5 U	97,000	5.1 U	5.3 U	5 U	5.3 U	1 U	1 U

TABLE 2

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Semivolatile Organic Compounds

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	TAGM 4046 RSCO (ppb)	10 MB-52716 SB-1(1-2) 210358-011 7/29/2005 (ppb)	10 MB-52716 SB-1(10-11) 210358-012 7/29/2005 (ppb)	10 MB-52716 SB-2(1-3) 210358-013 7/31/2005 (ppb)	10 MB-52716 SB-2(8-9) 210358-014 7/31/2005 (ppb)	10 MB-52716 SB-3(1-3) 210358-015 7/31/2005 (ppb)	1 MB-52864 SB-3(6-7) 210358-016 7/31/2005 (ppb)
1 2 4-Trichlorobenzene	3,400	65 U	67 U	56 U	120 U	61 U	130 U
1 2-Dichlorobenzene	7,900	65 U	67 U	56 U	120 U	61 U	130 U
1 3-Dichlorobenzene	1,600	59 U	61 U	51 U	110 U	56 U	110 U
1 4-Dichlorobenzene	8,500	61 U	63 U	53 U	110 U	58 U	120 U
2 2-oxybis (1-chloropropane)	NA	54 U	56 U	47 U	100 U	51 U	110 U
2 4 5-Trichlorophenol	NA	140 U	140 U	120 U	260 U	130 U	270 U
2 4 6-Trichlorophenol	NA	98 U	100 U	85 U	180 U	93 U	190 U
2 4-Dichlorophenol	400	130 U	130 U	110 U	230 U	120 U	250 U
2 4-Dimethylphenol	NA	200 U	200 U	170 U	370 U	190 U	390 U
2 4-Dinitrophenol	200	130 U	140 U	110 U	250 U	130 U	260 U
2 4-Dinitrotoluene	NA	69 U	71 U	60 U	130 U	66 U	140 U
2 6-Dinitrotoluene	1,000	70 U	72 U	61 U	130 U	67 U	140 U
2-Chloronaphthalene	NA	56 U	58 U	49 U	110 U	54 U	110 U
2-Chlorophenol	800	99 U	100 U	86 U	180 U	94 U	190 U
2-Methylnaphthalene	36,400	61 U	63 U	53 U	110 U	58 U	120 U
2-Methylphenol	100	100 U	110 U	89 U	190 U	98 U	200 U
2-Nitroaniline	430	48 U	50 U	42 U	90 U	46 U	95 U
2-Nitrophenol	430	130 U	140 U	120 U	260 U	130 U	260 U
3 3-Dichlorobenzidine	NA	100 U	110 U	89 U	190 U	98 U	200 U
3-Nitroaniline	500	80 U	82 U	69 U	150 U	76 U	160 U
4 6-Dinitro-2-methylphenol	NA	280 U	280 U	240 U	510 U	260 U	540 U
4-Bromophenyl phenyl ether	NA	59 U	61 U	51 U	110 U	56 U	110 U
4-Chloro-3-methylphenol	NA	130 U	130 U	110 U	240 U	120 U	250 U
4-Chloroaniline	220	120 U	130 U	110 U	230 U	120 U	240 U
4-Chlorophenyl phenyl ether	NA	53 U	55 U	46 U	99 U	50 U	100 U
4-Methylphenol	900	210 U	210 U	180 U	380 U	200 U	400 U
4-Nitroaniline	NA	55 U	57 U	48 U	100 U	53 U	110 U
4-Nitrophenol	100	160 U	170 U	140 U	300 U	160 U	320 U
Acenaphthene	50,000	100 J	66 U	55 U	160 J	71 J	120 U
Acenaphthylene	41,000	47 U	49 U	41 U	88 U	45 U	120 J
Anthracene	50,000	250 J	69 J	55 U	330 J	170 J	310 J
Benzo(a)anthracene	224	570	120 J	130 J	1,000	700	1,100
Benzo(a)pyrene	61	570	49 U	41 U	850	670	970
Benzo(b)fluoranthene	1,100	930	110 U	230 J	1,500	710 M	930
Benzo(ghi)perylene	50,000	420 M	44 U	37 U	79 U	460	670 J
Benzo(k)fluoranthene	1,100	43 U	44 U	37 U	79 U	460 M	700 J
Benzyl alcohol	NA	73 U	75 U	63 U	140 U	69 U	140 U
Bis(2-chloroethoxy)methane	NA	66 U	68 U	57 U	120 U	62 U	130 U
Bis(2-chloroethyl)ether	NA	52 U	53 U	45 U	97 U	49 U	100 U
Bis(2-ethylhexyl)phthalate	50,000	51 U	52 U	44 U	95 U	48 U	99 U
Butyl benzyl phthalate	50,000	50 U	51 U	43 U	92 U	47 U	97 U
Carbazole	NA	96 J	58 U	49 U	110 U	54 U	200 J
Chrysene	400	650	110 J	160 J	950	870	1,200
Dibenzo(a h)anthracene	14	43 U	44 U	37 U	79 U	41 U	210 J
Dibenzofuran	6,200	75 J	63 U	53 U	110 U	58 U	120 U
Diethyl phthalate	7,100	56 U	58 U	49 U	110 U	54 U	110 U
Dimethyl phthalate	2,000	59 U	61 U	51 U	110 U	56 U	110 U
Di-n-butyl phthalate	8,100	51 U	52 U	44 U	95 U	48 U	99 U
Di-n-octyl phthalate	50,000	40 U	42 U	35 U	75 U	38 U	79 U
Fluoranthene	50,000	1,600	280 J	240 J	2,300	1,600	2,400
Fluorene	50,000	50 U	51 U	43 U	92 U	47 U	130 J
Hexachlorobenzene	410	56 U	58 U	49 U	110 U	54 U	110 U
Hexachlorobutadiene	NA	78 U	81 U	68 U	150 U	75 U	150 U
Hexachlorocyclopentadiene	NA	290 U	290 U	250 U	530 U	270 U	560 U
Hexachloroethane	NA	68 U	70 U	59 U	130 U	65 U	130 U
Indeno(1 2 3-cd)pyrene	3,200	230 J	40 U	34 U	73 U	270 J	650 J
Isophorone	4,400	69 U	71 U	60 U	130 U	66 U	140 U
Naphthalene	13,000	160 J	68 U	57 U	120 U	62 U	130 U
Nitrobenzene	200	46 U	48 U	40 U	86 U	44 U	90 U
n-Nitroso-di-n-propylamine	NA	52 U	53 U	45 U	97 U	49 U	100 U
n-Nitrosodiphenylamine	NA	58 U	59 U	50 U	110 U	55 U	110 U
Pentachlorophenol	1,000	330 U	340 U	290 U	620 U	320 U	650 U
Phenanthrene	50,000	1,200	310 J	130 J	1,800	1,000	1,800
Phenol	30	110 U	120 U	97 U	210 U	110 U	220 U
Pyrene	50,000	1,300	260 J	240 J	2,200	1,500	2,500

TABLE 2

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Semivolatile Organic Compounds

Dilution		10	10	200	10	10	10
Method Blank		MB-52856	MB-52716	MB-52856	MB-52716	MB-52856	MB-52856
Client ID	TAGM	SB-4(1-3)	SB-5(1-3)	SB-5(6-8)	SB-5(8-9)	SB-6(1-2)	SB-6(6-7)
Lab Sample ID	4046	210417-003	210358-005	210417-007	210358-006	210417-001	210417-002
Date Sampled	RSCO	8/5/2005	7/29/2005	8/5/2005	7/29/2005	8/5/2005	8/5/2005
Units	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Compound							
1 2 4-Trichlorobenzene	3,400	130 U	60 U	39,000 U	62 U	62 U	61 U
1 2-Dichlorobenzene	7,900	130 U	60 U	39,000 U	62 U	62 U	61 U
1 3-Dichlorobenzene	1,600	120 U	55 U	35,000 U	57 U	57 U	56 U
1 4-Dichlorobenzene	8,500	120 U	57 U	37,000 U	59 U	59 U	58 U
2 2-oxybis (1-chloropropane)	NA	110 U	50 U	33,000 U	52 U	52 U	51 U
2 4 5-Trichlorophenol	NA	280 U	130 U	84,000 U	130 U	130 U	130 U
2 4 6-Trichlorophenol	NA	190 U	91 U	59,000 U	95 U	94 U	93 U
2 4-Dichlorophenol	400	250 U	120 U	76,000 U	120 U	120 U	120 U
2 4-Dimethylphenol	NA	390 U	180 U	120,000 U	190 U	190 U	190 U
2 4-Dinitrophenol	200	260 U	120 U	80,000 U	130 U	130 U	130 U
2 4-Dinitrotoluene	NA	140 U	64 U	42,000 U	67 U	67 U	65 U
2 6-Dinitrotoluene	1,000	140 U	65 U	42,000 U	68 U	68 U	67 U
2-Chloronaphthalene	NA	110 U	53 U	34,000 U	55 U	54 U	53 U
2-Chlorophenol	800	200 U	92 U	60,000 U	96 U	95 U	94 U
2-Methylnaphthalene	36,400	180 J	57 U	300,000	59 U	59 U	58 U
2-Methylphenol	100	200 U	95 U	62,000 U	99 U	99 U	97 U
2-Nitroaniline	430	96 U	45 U	29,000 U	47 U	47 U	46 U
2-Nitrophenol	430	260 U	120 U	80,000 U	130 U	130 U	130 U
3 3-Dichlorobenzidine	NA	200 U	95 U	62,000 U	99 U	99 U	97 U
3-Nitroaniline	500	160 U	74 U	48,000 U	77 U	77 U	75 U
4 6-Dinitro-2-methylphenol	NA	540 U	260 U	170,000 U	270 U	270 U	260 U
4-Bromophenyl phenyl ether	NA	120 U	55 U	35,000 U	57 U	57 U	56 U
4-Chloro-3-methylphenol	NA	260 U	120 U	78,000 U	130 U	130 U	120 U
4-Chloroaniline	220	240 U	110 U	74,000 U	120 U	120 U	120 U
4-Chlorophenyl phenyl ether	NA	100 U	49 U	32,000 U	51 U	51 U	50 U
4-Methylphenol	900	410 U	190 U	120,000 U	200 U	200 U	200 U
4-Nitroaniline	NA	110 U	51 U	33,000 U	54 U	53 U	52 U
4-Nitrophenol	100	320 U	150 U	99,000 U	160 U	160 U	150 U
Acenaphthene	50,000	360 J	90 J	83,000 J	61 U	61 U	60 U
Acenaphthylene	41,000	710 J	44 U	310,000	46 U	46 U	45 U
Anthracene	50,000	1,700	330 J	390,000	61 U	61 U	60 U
Benzo(a)anthracene	224	6,500 H	1,100	260,000 H	150 J	50 U	53 J
Benzo(a)pyrene	61	6,900 H	1,100	230,000	46 U	46 U	45 U
Benzo(b)fluoranthene	1,100	8,400 H	1,400 M	250,000 M	100 U	100 U	100 U
Benzo(ghi)perylene	50,000	3,800	620	130,000 J	41 U	41 U	40 U
Benzo(k)fluoranthene	1,100	2,800 M	600 M	110,000 JM	41 U	41 U	40 U
Benzyl alcohol	NA	140 U	68 U	44,000 U	70 U	70 U	69 U
Bis(2-chloroethoxy)methane	NA	130 U	61 U	40,000 U	64 U	63 U	62 U
Bis(2-chloroethyl)ether	NA	100 U	48 U	31,000 U	50 U	50 U	49 U
Bis(2-ethylhexyl)phthalate	50,000	100 U	47 U	31,000 U	49 U	49 U	48 U
Butyl benzyl phthalate	50,000	98 U	46 U	30,000 U	48 U	48 U	47 U
Carbazole	NA	400 J	120 J	150,000 J	55 U	54 U	53 U
Chrysene	400	5,900	1,200	240,000	180 J	47 U	65 JM
Dibenzo(a h)anthracene	14	1,200	40 U	31,000 J	41 U	41 U	40 U
Dibenzofuran	6,200	400 J	67 J	290,000	59 U	59 U	58 U
Diethyl phthalate	7,100	110 U	53 U	34,000 U	55 U	54 U	53 U
Dimethyl phthalate	2,000	120 U	55 U	35,000 U	57 U	57 U	56 U
Di-n-butyl phthalate	8,100	100 U	47 U	31,000 U	49 U	49 U	48 U
Di-n-octyl phthalate	50,000	80 U	38 U	24,000 U	39 U	39 U	38 U
Fluoranthene	50,000	15,000	2,400	800,000	290 J	47 U	100 J
Fluorene	50,000	490 J	98 J	330,000	48 U	48 U	47 U
Hexachlorobenzene	410	110 U	53 U	34,000 U	55 U	54 U	53 U
Hexachlorobutadiene	NA	150 U	73 U	47,000 U	76 U	75 U	74 U
Hexachlorocyclopentadiene	NA	560 U	270 U	170,000 U	280 U	280 U	270 U
Hexachloroethane	NA	130 U	63 U	41,000 U	66 U	66 U	64 U
Indeno(1 2 3-cd)pyrene	3,200	4,200	470	110,000 J	38 U	38 U	37 U
Isophorone	4,400	140 U	64 U	42,000 U	67 U	67 U	65 U
Naphthalene	13,000	810	61 U	2,000,000	64 U	63 U	62 U
Nitrobenzene	200	91 U	43 U	28,000 U	45 U	44 U	44 U
n-Nitroso-di-n-propylamine	NA	100 U	48 U	31,000 U	50 U	50 U	49 U
n-Nitrosodiphenylamine	NA	110 U	54 U	35,000 U	56 U	56 U	55 U
Pentachlorophenol	1,000	660 U	310 U	200,000 U	320 U	320 U	310 U
Phenanthrene	50,000	6,600	1,500	1,100,000	180 J	43 U	92 J
Phenol	30	220 U	100 U	67,000 U	110 U	110 U	110 U
Pyrene	50,000	9,600	2,100	660,000	270 J	51 U	83 J

TABLE 2

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Semivolatile Organic Compounds

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	TAGM 4046 RSCO (ppb)	1 MB-52854 SB-7/8(1-3) 210358-017 7/31/2005 (ppb)	1 MB-52854 SB-7/8(8-9) 210358-018 7/31/2005 (ppb)	10 MB-52716 SB-9(0.5-2) 210358-003 7/29/2005 (ppb)	50 MB-52716 SB-11(1-3) 210358-007 7/29/2005 (ppb)	2000 MB-52716 SB-11(8-9) 210358-008 7/29/2005 (ppb)	1 MB-52716 SB-12(1-3) 210358-009 7/29/2005 (ppb)
1 2 4-Trichlorobenzene	3,400	61 U	64 U	63 U	310 U	12,000 U	62 U
1 2-Dichlorobenzene	7,900	61 U	64 U	63 U	310 U	12,000 U	62 U
1 3-Dichlorobenzene	1,600	56 U	59 U	57 U	280 U	11,000 U	57 U
1 4-Dichlorobenzene	8,500	58 U	61 U	60 U	290 U	11,000 U	59 U
2 2-oxybis (1-chloropropane)	NA	51 U	54 U	53 U	260 U	10,000 U	52 U
2 4 5-Trichlorophenol	NA	130 U	140 U	140 U	670 U	26,000 U	130 U
2 4 6-Trichlorophenol	NA	93 U	98 U	96 U	470 U	18,000 U	95 U
2 4-Dichlorophenol	400	120 U	130 U	120 U	600 U	23,000 U	120 U
2 4-Dimethylphenol	NA	190 U	200 U	190 U	950 U	37,000 U	190 U
2 4-Dinitrophenol	200	130 U	130 U	130 U	630 U	25,000 U	130 U
2 4-Dinitrotoluene	NA	66 U	69 U	67 U	330 U	13,000 U	67 U
2 6-Dinitrotoluene	1,000	67 U	70 U	69 U	340 U	13,000 U	68 U
2-Chloronaphthalene	NA	54 U	56 U	55 U	270 U	10,000 U	55 U
2-Chlorophenol	800	94 U	99 U	97 U	470 U	18,000 U	96 U
2-Methylnaphthalene	36,400	58 U	61 U	420	520 J	330,000	59 U
2-Methylphenol	100	97 U	100 U	100 U	490 U	19,000 U	99 U
2-Nitroaniline	430	46 U	48 U	47 U	230 U	9,000 U	47 U
2-Nitrophenol	430	130 U	130 U	130 U	640 U	25,000 U	130 U
3 3-Dichlorobenzidine	NA	97 U	100 U	100 U	490 U	19,000 U	99 U
3-Nitroaniline	500	76 U	79 U	78 U	380 U	15,000 U	77 U
4 6-Dinitro-2-methylphenol	NA	260 U	270 U	270 U	1,300 U	51,000 U	270 U
4-Bromophenyl phenyl ether	NA	56 U	59 U	57 U	280 U	11,000 U	57 U
4-Chloro-3-methylphenol	NA	120 U	130 U	130 U	620 U	24,000 U	130 U
4-Chloroaniline	220	120 U	120 U	120 U	590 U	23,000 U	120 U
4-Chlorophenyl phenyl ether	NA	50 U	53 U	52 U	250 U	9,800 U	51 U
4-Methylphenol	900	200 U	210 U	200 U	990 U	38,000 U	200 U
4-Nitroaniline	NA	53 U	55 U	54 U	260 U	10,000 U	53 U
4-Nitrophenol	100	160 U	160 U	160 U	780 U	30,000 U	160 U
Acenaphthene	50,000	60 U	63 U	440	400 J	47,000 J	61 U
Acenaphthylene	41,000	45 U	47 U	130 J	390 J	220,000	51 JH
Anthracene	50,000	73 J	63 U	890	2,500	240,000	61 U
Benzo(a)anthracene	224	330 J	52 U	3,700	10,000	180,000	97 J
Benzo(a)pyrene	61	480	47 U	3,700	17,000	170,000	130 JH
Benzo(b)fluoranthene	1,100	310 J	110 U	4,600 M	18,000 M	180,000 M	170 J
Benzo(ghi)perylene	50,000	320 J	42 U	2,300	15,000	75,000	100 J
Benzo(k)fluoranthene	1,100	310 J	42 U	2,500 M	7,600 M	58,000 JM	56 J
Benzyl alcohol	NA	69 U	72 U	71 U	350 U	13,000 U	70 U
Bis(2-chloroethoxy)methane	NA	62 U	65 U	64 U	310 U	12,000 U	63 U
Bis(2-chloroethyl)ether	NA	49 U	52 U	51 U	250 U	9,600 U	50 U
Bis(2-ethylhexyl)phthalate	50,000	48 U	50 U	49 U	240 U	9,400 U	49 UB
Butyl benzyl phthalate	50,000	47 U	49 U	48 U	240 U	9,200 U	48 U
Carbazole	NA	54 U	56 U	500	590 J	110,000	55 U
Chrysene	400	320 J	48 U	3,700	11,000	150,000	110 JH
Dibenzo(a h)anthracene	14	100 JM	42 U	570	2,600	7,900 U	41 U
Dibenzofuran	6,200	58 U	61 U	1,200	590 J	210,000	59 U
Diethyl phthalate	7,100	54 U	56 U	55 U	270 U	10,000 U	55 U
Dimethyl phthalate	2,000	56 U	59 U	57 U	280 U	11,000 U	57 U
Di-n-butyl phthalate	8,100	48 U	50 U	49 U	240 U	9,400 U	49 U
Di-n-octyl phthalate	50,000	38 U	40 U	39 U	190 U	7,500 U	39 U
Fluoranthene	50,000	500	48 U	9,000	16,000	540,000	120 J
Fluorene	50,000	47 U	49 U	360 J	460 J	240,000	48 U
Hexachlorobenzene	410	54 U	56 U	55 U	270 U	10,000 U	55 U
Hexachlorobutadiene	NA	74 U	78 U	76 U	380 U	15,000 U	76 U
Hexachlorocyclopentadiene	NA	270 U	280 U	280 U	1,400 U	53,000 U	280 U
Hexachloroethane	NA	65 U	68 U	66 U	330 U	13,000 U	66 U
Indeno(1 2 3-cd)pyrene	3,200	340 J	39 U	2,200	12,000	76,000	81 J
Isophorone	4,400	66 U	69 U	67 U	330 U	13,000 U	67 U
Naphthalene	13,000	62 U	65 U	1,500	1,100 J	2,000,000	240 J
Nitrobenzene	200	44 U	46 U	45 U	220 U	8,500 U	44 U
n-Nitroso-di-n-propylamine	NA	49 U	52 U	51 U	250 U	9,600 U	50 U
n-Nitrosodiphenylamine	NA	55 U	57 U	56 U	280 U	11,000 U	56 U
Pentachlorophenol	1,000	320 U	330 U	320 U	1,600 U	61,000 U	320 U
Phenanthrene	50,000	260 J	45 U	8,000	8,600	860,000	88 J
Phenol	30	110 U	110 U	110 U	540 U	21,000 U	110 U
Pyrene	50,000	510	53 U	7,500	15,000	440,000	120 JH

TABLE 2

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Semivolatile Organic Compounds

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	TAGM 4046 RSCO (ppb)	10 MB-52716 SB-12(8-9) 210358-010 7/29/2005 (ppb)	10 MB-52716 SB-13(0.5-2) 210358-001 7/29/2005 (ppb)	10 MB-52716 SB-13(7-9) 210358-002 7/29/2005 (ppb)	1 MB-52854 SB-14(1-3) 210358-021 7/31/2005 (ppb)	1 MB-52854 SB-14(6-7) 210358-022 7/31/2005 (ppb)	1 MB-52668 FIELD BLANK 210358-019 7/31/2005 (ppb)	1 MB-53006 FIELD BLANK 210417-005 8/5/2005 (ppb)
1 2 4-Trichlorobenzene	3,400	65 U	64 U	65 U	120 U	63 U	0.7 U	0.7 U
1 2-Dichlorobenzene	7,900	65 U	64 U	65 U	120 U	63 U	0.7 U	0.7 U
1 3-Dichlorobenzene	1,600	59 U	58 U	59 U	110 U	57 U	0.7 U	0.7 U
1 4-Dichlorobenzene	8,500	61 U	60 U	61 U	120 U	60 U	0.5 U	0.5 U
2 2-oxybis (1-chloropropane)	NA	55 U	54 U	54 U	100 U	53 U	0.6 U	0.6 U
2 4 5-Trichlorophenol	NA	140 U	140 U	140 U	270 U	140 U	0.8 U	0.8 U
2 4 6-Trichlorophenol	NA	99 U	97 U	98 U	190 U	96 U	0.8 U	0.8 U
2 4-Dichlorophenol	400	130 U	120 U	130 U	240 U	120 U	0.8 U	0.8 U
2 4-Dimethylphenol	NA	200 U	200 U	200 U	380 U	190 U	0.7 U	0.7 U
2 4-Dinitrophenol	200	130 U	130 U	130 U	250 U	130 U	5 U	5 U
2 4-Dinitrotoluene	NA	70 U	68 U	69 U	130 U	68 U	0.8 U	0.8 U
2 6-Dinitrotoluene	1,000	71 U	69 U	70 U	130 U	69 U	0.6 U	0.6 U
2-Chloronaphthalene	NA	57 U	56 U	56 U	110 U	55 U	0.7 U	0.7 U
2-Chlorophenol	800	100 U	98 U	99 U	190 U	97 U	0.6 U	0.6 U
2-Methylnaphthalene	36,400	67 J	60 U	61 U	120 U	60 U	0.6 U	0.6 U
2-Methylphenol	100	100 U	100 U	100 U	200 U	100 U	0.6 U	0.6 U
2-Nitroaniline	430	49 U	48 U	48 U	92 U	47 U	1 U	1 U
2-Nitrophenol	430	130 U	130 U	130 U	250 U	130 U	0.8 U	0.8 U
3 3-Dichlorobenzidine	NA	100 U	100 U	100 U	200 U	100 U	1 U	1 U
3-Nitroaniline	500	80 U	79 U	80 U	150 U	78 U	0.7 U	0.7 U
4 6-Dinitro-2-methylphenol	NA	280 U	270 U	280 U	530 U	270 U	4 U	4 U
4-Bromophenyl phenyl ether	NA	59 U	58 U	59 U	110 U	57 U	0.9 U	0.9 U
4-Chloro-3-methylphenol	NA	130 U	130 U	130 U	250 U	130 U	0.5 U	0.5 U
4-Chloroaniline	220	120 U	120 U	120 U	240 U	120 U	0.4 U	0.4 U
4-Chlorophenyl phenyl ether	NA	53 U	52 U	53 U	100 U	52 U	0.8 U	0.8 U
4-Methylphenol	900	210 U	200 U	210 U	390 U	200 U	0.3 U	0.3 U
4-Nitroaniline	NA	56 U	55 U	55 U	110 U	54 U	1 U	1 U
4-Nitrophenol	100	160 U	160 U	160 U	310 U	160 U	2 U	2 U
Acenaphthene	50,000	64 U	63 U	63 U	120 U	62 U	0.8 U	0.8 U
Acenaphthylene	41,000	48 U	47 U	47 U	500 J	46 U	0.8 U	0.8 U
Anthracene	50,000	64 U	77 J	63 U	390 J	62 U	1 U	1 U
Benzo(a)anthracene	224	52 U	660	340 J	3,100	51 U	1 U	1 U
Benzo(a)pyrene	61	48 U	660	280 J	3,300	46 U	1 U	1 U
Benzo(b)fluoranthene	1,100	110 U	1,100 M	430 M	2,900	100 U	2 U	2 U
Benzo(ghi)perylene	50,000	43 U	570	43 U	2,400	42 U	1 U	1 U
Benzo(k)fluoranthene	1,100	43 U	480 M	160 JM	2,900	42 U	0.9 U	0.9 U
Benzyl alcohol	NA	73 U	72 U	73 U	140 U	71 U	3 J	2 J
Bis(2-chloroethoxy)methane	NA	66 U	65 U	66 U	130 U	64 U	0.5 U	0.5 U
Bis(2-chloroethyl)ether	NA	52 U	51 U	52 U	99 U	51 U	0.9 U	0.9 U
Bis(2-ethylhexyl)phthalate	50,000	51 U	50 U	51 U	97 U	50 U	1 U	1 U
Butyl benzyl phthalate	50,000	50 U	49 U	50 U	95 U	48 U	1 U	1 U
Carbazole	NA	57 U	56 U	56 U	110 U	55 U	1 U	1 U
Chrysene	400	49 U	730	320 J	3,100	47 U	1 U	1 U
Dibenzo(a h)anthracene	14	43 U	42 U	43 U	710 JM	42 U	1 U	1 U
Dibenzofuran	6,200	61 U	60 U	61 U	120 U	60 U	0.8 U	0.8 U
Diethyl phthalate	7,100	57 U	56 U	56 U	110 U	55 U	0.8 U	0.8 U
Dimethyl phthalate	2,000	59 U	58 U	59 U	110 U	57 U	0.6 U	0.6 U
Di-n-butyl phthalate	8,100	51 U	50 U	51 U	97 U	50 U	1 J	1 U
Di-n-octyl phthalate	50,000	41 U	40 U	40 U	77 U	39 U	1 U	1 U
Fluoranthene	50,000	49 U	1,100	500	5,000	47 U	1 U	1 U
Fluorene	50,000	50 U	49 U	50 U	95 U	48 U	0.8 U	0.8 U
Hexachlorobenzene	410	57 U	56 U	56 U	110 U	55 U	1 U	1 U
Hexachlorobutadiene	NA	79 U	77 U	78 U	150 U	77 U	0.8 U	0.8 U
Hexachlorocyclopentadiene	NA	290 U	280 U	290 U	550 U	280 U	2 U	2 U
Hexachloroethane	NA	68 U	67 U	68 U	130 U	66 U	1 U	1 U
Indeno(1 2 3-cd)pyrene	3,200	39 U	460	39 U	2,400	38 U	1 U	1 U
Isophorone	4,400	70 U	68 U	69 U	130 U	68 U	0.7 U	0.7 U
Naphthalene	13,000	95 J	210 J	140 J	310 J	64 U	0.7 U	0.7 U
Nitrobenzene	200	46 U	46 U	46 U	88 U	45 U	0.8 U	0.8 U
n-Nitroso-di-n-propylamine	NA	52 U	51 U	52 U	99 U	51 U	0.7 U	0.7 U
n-Nitrosodiphenylamine	NA	58 U	57 U	58 U	110 U	56 U	1 U	1 U
Pentachlorophenol	1,000	330 U	330 U	330 U	630 U	320 U	5 U	5 U
Phenanthrene	50,000	45 U	260 J	170 J	1,600	44 U	0.7 U	0.7 U
Phenol	30	110 U	110 U	110 U	210 U	110 U	0.4 U	0.4 U
Pyrene	50,000	53 U	1,200	460	4,300	52 U	1 U	1 U

TABLE 3

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	Eastern US Background Levels (ppm)	TAGM 4046 RSCO (ppm)	1 MB-52746 SB-1(1-2) 210358-011 7/29/2005 (ppm)	1 MB-52746 SB-1(10-11) 210358-012 7/29/2005 (ppm)	1 MB-52746 SB-2(1-3) 210358-013 7/31/2005 (ppm)	1 MB-52746 SB-2(8-9) 210358-014 7/31/2005 (ppm)	1 MB-52746 SB-3(1-3) 210358-015 7/31/2005 (ppm)
Aluminum	33,000	SB	9,850	7,430	1,760	8,360	7,090
Antimony	NA	SB	1.2 UN	1.2 UN	1.3 UN	1.5 UN	1.4 UN
Arsenic	3 - 12	7.5 or SB	105 N	10.1 N	5.2 BN	6.1 BN	5.2 BN
Barium	15 - 600	300 or SB	131	63.5	30.4	117	222
Beryllium	0 - 1.75	0.16or SB	0.94 B	0.51 U	0.57 U	0.66 U	0.6 U
Cadmium	0.1 - 1	1 or SB	1.1 B	1 U	1.1 U	1.3 U	1.2 U
Calcium	130 - 35,000	SB	14,200	25,900	2,700	6,420	6,530
Chromium	1.5 - 40	10 or SB	24	20.5	6.4	35	18.7
Cobalt	2.5 - 60	30 or SB	26.2	14.3	3.2	5.2	6.1
Copper	1 - 50	25 or SB	146 N	38.5 N	10.8 N	29 N	41.1 N
Iron	2,000 - 550,000	2,000 or SB	30,200	32,800	6,410	15,600	15,800
Lead	NA	200 - 500	219	115	39.8	89.3	321
Magnesium	100 - 5,000	SB	4,930	3,320	1,140	4,630	3,510
Manganese	50 - 5,000	SB	355	624	99.3	230	336
Mercury	0.001 - 0.2	0.1	0.44	0.085	0.07	1.9	0.75
Nickel	0.5 - 25	13 or SB	48.8	22.8	9.4	14.7	32.6
Potassium	8,500 - 43,000	SB	1,410 N	1,520 N	239 N	3,600 N	515 N
Selenium	0.1 - 3.9	2 or SB	34.7	1.7 B	1.8 U	2.1 U	1.9 U
Silver	NA	SB	0.62 B	0.33 U	0.36 U	0.43 U	0.39 U
Sodium	6,000 - 8,000	SB	573	169	36.2 B	746	66.5 B
Thallium	NA	SB	2.7 BN	3.3 BN	1.5 UN	2.3 BN	1.6 UN
Vanadium	1 - 300	150 or SB	43.2	28.5	8.1	32.2	21.8
Zinc	9 - 50	20 or SB	244	51.3	42.4	70.2	218
Cyanide	NA	SB	0.0605 U	0.0623 U	0.0543 U	0.613	0.0598 U

TABLE 3

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	Eastern US Background Levels (ppm)	TAGM 4046 RSCO (ppm)	1 MB-52746 SB-3(6-7) 210358-016 7/31/2005 (ppm)	1 MB-52890 SB-4(1-3) 210417-003 8/5/2005 (ppm)	1 MB-52746 SB-5(1-3) 210358-005 7/29/2005 (ppm)	1 MB-52890 SB-5(6-8) 210417-007 8/5/2005 (ppm)	1 MB-52746 SB-5(8-9) 210358-006 7/29/2005 (ppm)
Aluminum	33,000	SB	3,890	6,520	5,610	7,880	3,670
Antimony	NA	SB	1.2 UN	1.2 UN	1.5 UN	1.5 UN	1.5 UN
Arsenic	3 - 12	7.5 or SB	4.8 BN	5.5 BN	7.3 BN	4.3 BN	13.3 N
Barium	15 - 600	300 or SB	178	106	69.6	52.2	62.5
Beryllium	0 - 1.75	0.16or SB	0.54 U	0.53 U	0.66 U	0.68 U	0.64 U
Cadmium	0.1 - 1	1 or SB	1.1 U	1.1 U	1.3 U	1.4 U	1.3 U
Calcium	130 - 35,000	SB	3,600	19,400	4,410	15,100	10,200
Chromium	1.5 - 40	10 or SB	11.9	14.1	13.7	22.9	10.8
Cobalt	2.5 - 60	30 or SB	4.5	5.2	6.7	6.6	5.6
Copper	1 - 50	25 or SB	62.4 N	143	79.7 N	33.8	138 N
Iron	2,000 - 550,000	2,000 or SB	10,400	17,200	19,200	22,500	16,600
Lead	NA	200 - 500	412	178	199	52.4	235
Magnesium	100 - 5,000	SB	2,230	3,630 N	1,670	5,950 N	2,460
Manganese	50 - 5,000	SB	178	289	422	424	370
Mercury	0.001 - 0.2	0.1	0.35	0.38 N	0.91	0.24 N	1
Nickel	0.5 - 25	13 or SB	22.6	11.7	15.2	16.4	11.9
Potassium	8,500 - 43,000	SB	545 N	879	613 N	903	469 N
Selenium	0.1 - 3.9	2 or SB	1.7 U	1.7 U	2.1 U	2.2 U	2 U
Silver	NA	SB	0.63 B	0.34 U	0.43 U	0.43 U	0.41 U
Sodium	6,000 - 8,000	SB	125	551	156	272	114 B
Thallium	NA	SB	1.4 UN	1.4 U	1.8 UN	1.8 U	2.6 BN
Vanadium	1 - 300	150 or SB	14.9	20.5	23.3	25.1	18.8
Zinc	9 - 50	20 or SB	330	107 N	808	115 N	122
Cyanide	NA	SB	1.46	0.0573 U	0.738	3.38	0.0585 U

TABLE 3

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	Eastern US Background Levels (ppm)	TAGM 4046 RSCO (ppm)	1 MB-52890 SB-6(1-2) 210417-001 8/5/2005 (ppm)	1 MB-52890 SB-6(6-7) 210417-002 8/5/2005 (ppm)	1 MB-52746 SB-7/8(1-3) 210358-017 7/31/2005 (ppm)	1 MB-52746 SB-7/8(8-9) 210358-018 7/31/2005 (ppm)	1 MB-52746 SB-9(0.5-2) 210358-003 7/29/2005 (ppm)
Aluminum	33,000	SB	11,900	8,150	8,270	9,500	7,890
Antimony	NA	SB	1.5 UN	1.3 UN	1.2 UN	1.5 UN	1.4 UN
Arsenic	3 - 12	7.5 or SB	3.6 BN	2.4 BN	10.4 N	2.7 BN	4.7 BN
Barium	15 - 600	300 or SB	55	26.9	49.2	58.1	51.3
Beryllium	0 - 1.75	0.16or SB	0.66 U	0.56 U	0.53 U	0.64 U	0.62 U
Cadmium	0.1 - 1	1 or SB	1.3 U	1.1 U	1.1 U	1.3 U	1.2 U
Calcium	130 - 35,000	SB	4,110	14,700	1,380	1,070	5,150
Chromium	1.5 - 40	10 or SB	25.3	14.3	16.8	23.3	18.9
Cobalt	2.5 - 60	30 or SB	7.2	3.1	6.1	10.3	7.3
Copper	1 - 50	25 or SB	14.2	10.3	443 N	16 N	27.5 N
Iron	2,000 - 550,000	2,000 or SB	33,400	33,400	23,100	24,700	21,000
Lead	NA	200 - 500	19.2	24.1	107	10.6 B	45.5
Magnesium	100 - 5,000	SB	2,090 N	1,830 N	1,930	2,410	2,510
Manganese	50 - 5,000	SB	624	250	296	708	465
Mercury	0.001 - 0.2	0.1	0.042 BN	0.022 BN	0.21	0.015 U	0.037 B
Nickel	0.5 - 25	13 or SB	12.9	5.8	14.9	20.3	15.8
Potassium	8,500 - 43,000	SB	676	353	705 N	685 N	1,060 N
Selenium	0.1 - 3.9	2 or SB	2.1 U	1.8 U	1.7 U	2.1 U	2 U
Silver	NA	SB	0.42 U	0.36 U	0.34 U	0.41 U	0.4 U
Sodium	6,000 - 8,000	SB	132	136	127	33.7 B	550
Thallium	NA	SB	1.8 U	1.5 U	1.6 BN	1.7 UN	1.6 UN
Vanadium	1 - 300	150 or SB	34.6	23.2	27	31.9	27.2
Zinc	9 - 50	20 or SB	33.9 N	20.9 BN	134	43.4	116
Cyanide	NA	SB	0.643	0.873	2.01	0.0771 B	0.425 B

TABLE 3

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	Eastern US Background Levels (ppm)	TAGM 4046 RSCO (ppm)	1 MB-52746 SB-11(1-3) 210358-007 7/29/2005 (ppm)	1 MB-52746 SB-11(8-9) 210358-008 7/29/2005 (ppm)	1 MB-52746 SB-12(1-3) 210358-009 7/29/2005 (ppm)	1 MB-52746 SB-12(8-9) 210358-010 7/29/2005 (ppm)	1 MB-52746 SB-13(0.5-2) 210358-001 7/29/2005 (ppm)
Aluminum	33,000	SB	5,440	8,360	4,540	7,570	11,000
Antimony	NA	SB	1.3 UN	1.2 UN	1.4 UN	1.6 UN	1.2 UN
Arsenic	3 - 12	7.5 or SB	7.8 BN	3 BN	13.8 N	3.2 BN	8.1 BN
Barium	15 - 600	300 or SB	59.8	44.9	75.9	42.2	76.7
Beryllium	0 - 1.75	0.16or SB	0.56 U	0.52 U	0.63 U	0.7 U	0.53 U
Cadmium	0.1 - 1	1 or SB	1.5 B	1 U	1.3 U	1.4 U	1.1 U
Calcium	130 - 35,000	SB	18,600	10,700	11,100	1,020	4,730
Chromium	1.5 - 40	10 or SB	10.5	17.4	9.3	11.1	28.8
Cobalt	2.5 - 60	30 or SB	8.7	6.1	6.6	5.7	6.1
Copper	1 - 50	25 or SB	67.4 N	15 N	29 N	8.3 N	33.2 N
Iron	2,000 - 550,000	2,000 or SB	25,900	17,900	24,500	15,200	31,100
Lead	NA	200 - 500	197	14.8	192	9.1 B	172
Magnesium	100 - 5,000	SB	3,420	8,010	1,340	2,440	2,370
Manganese	50 - 5,000	SB	421	441	212	249	494
Mercury	0.001 - 0.2	0.1	0.42	0.074	0.51	0.02 B	0.65
Nickel	0.5 - 25	13 or SB	18.3	12.2	14.3	12.9	16.3
Potassium	8,500 - 43,000	SB	548 N	991 N	522 N	479 N	725 N
Selenium	0.1 - 3.9	2 or SB	1.8 U	1.7 U	2 U	2.2 U	1.7 U
Silver	NA	SB	0.36 U	0.33 U	0.4 U	0.45 U	0.34 U
Sodium	6,000 - 8,000	SB	248	138	195	116 B	89.9 B
Thallium	NA	SB	1.5 UN	1.4 UN	1.7 UN	1.9 UN	1.4 BN
Vanadium	1 - 300	150 or SB	21.1	28.8	25	14.4	40
Zinc	9 - 50	20 or SB	643	40.8	57.3	50	90.1
Cyanide	NA	SB	0.16 B	8.57	0.698	0.0613 U	4.32

TABLE 3

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	Eastern US Background Levels (ppm)	TAGM 4046 RSCO (ppm)	1 MB-52746 SB-13(7-9) 210358-002 7/29/2005 (ppm)	1 MB-52746 SB-14(1-3) 210358-021 7/31/2005 (ppm)	1 MB-52746 SB-14(6-7) 210358-022 7/31/2005 (ppm)	1 MB-52602 FIELD BLANK 210358-019 7/31/2005 (ppm)	1 MB-52971 FIELD BLANK 210417-005 8/5/2005 (ppm)
Aluminum	33,000	SB	7,670	4,760	12,500	92 U	92 U
Antimony	NA	SB	1.2 UN	1.3 UN	1.5 UN	5.4 U	5.4 U
Arsenic	3 - 12	7.5 or SB	4.7 BN	7.6 BN	4.1 BN	3.9 U	3.9 U
Barium	15 - 600	300 or SB	48.9	70.9	63.5	0.74 U	0.74 U
Beryllium	0 - 1.75	0.16or SB	0.54 U	0.56 U	0.64 U	0.54 U	0.54 U
Cadmium	0.1 - 1	1 or SB	1.1 U	1.1 U	1.3 U	1.1 U	1.1 U
Calcium	130 - 35,000	SB	9,130	13,900	1,370	61.3 B	60 B
Chromium	1.5 - 40	10 or SB	14.9	12.9	21.4	1.3 U	1.3 U
Cobalt	2.5 - 60	30 or SB	6.5	6.6	10.6	1.8 U	1.8 U
Copper	1 - 50	25 or SB	21.7 N	60.3 N	14.2 N	4.3 U	4.3 U
Iron	2,000 - 550,000	2,000 or SB	21,100	16,700	25,800	54 U	54 UN
Lead	NA	200 - 500	180	158	29.3	3 U	3 U
Magnesium	100 - 5,000	SB	4,100	1,410	2,350	26 U	26 UN
Manganese	50 - 5,000	SB	377	199	969	6.9 U	6.9 U
Mercury	0.001 - 0.2	0.1	0.54	1.1	0.042 B	0.07 U	0.07 U
Nickel	0.5 - 25	13 or SB	15.5	15.8	14.3	1.9 U	1.9 U
Potassium	8,500 - 43,000	SB	717 N	550 N	656 N	191 U	191 UN
Selenium	0.1 - 3.9	2 or SB	1.7 U	1.8 U	2 U	5 U	5 U
Silver	NA	SB	0.92 B	0.36 U	0.41 U	1.1 U	1.1 U
Sodium	6,000 - 8,000	SB	169	210	254	98 U	1840
Thallium	NA	SB	1.4 UN	2.8 BN	1.7 UN	10 U	10 U
Vanadium	1 - 300	150 or SB	24.8	20.6	31.5	1.5 U	1.5 U
Zinc	9 - 50	20 or SB	199	170	36.7	11 U	11 U
Cyanide	NA	SB	4.14	0.454 B	0.0593 U	0.001 U	0.001 U

TABLE 4

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
PCBs and Pesticides

PCBs

Dilution		1	1	1	1	1	1	1	1	1
Method Blank		MB-52712	MB-52897	MB-52897	MB-52897	MB-52897	MB-52897	MB-53103	MB-52729	MB-53103
Client ID	TAGM	SB-1(1-2)	SB-1(10-11)	SB-2(1-3)	SB-2(8-9)	SB-3(1-3)	SB-3(6-7)	SB-4(1-3)	SB-5(1-3)	SB-5(6-8)
Lab Sample ID	4046	210358-011	210358-012	210358-013	210358-014	210358-015	210358-016	210417-003	210358-005	210417-007
Date Sampled	RSCO	7/29/2005	7/29/2005	7/31/2005	7/31/2005	7/31/2005	7/31/2005	8/5/2005	7/29/2005	8/5/2005
Units	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
Compound										
Aroclor 1016	1,000/10,000	3.3 U	3.3 U	2.9 U	3.1 U	3.1 U	3.2 U	3.2 U	3.2 U	3.4 U
Aroclor 1221	1,000/10,000	1.8 U	1.8 U	1.6 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U
Aroclor 1232	1,000/10,000	2.2 U	2.2 U	1.9 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.2 U
Aroclor 1242	1,000/10,000	3.5 U	3.5 U	3.1 U	3.3 U	3.3 U	3.4 U	3.4 U	3.4 U	3.6 U
Aroclor 1248	1,000/10,000	3.2 U	3.1 U	2.8 U	2.9 U	3 U	3.1 U	3.1 U	3 U	3.2 U
Aroclor 1254	1,000/10,000	1.4 U	1.4 U	1.3 U	1.3 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U
Aroclor 1260	1,000/10,000	4.7 U	4.7 U	5.2 JM	16 J	6.8 J	33 M	4.6 U	4.5 U	4.8 U

Pesticides

4 4'-DDD	2,100	0.45 U	0.45 U	1.3 J	0.42 U	0.42 U	0.43 U	0.44 U	0.43 U	4.6 U
4 4'-DDE	2,100	3 IM	0.51 U	2.6 J	4.3	3.3 JN	4.8	0.5 U	4.5	5.2 U
4 4'-DDT	41	0.36 U	0.36 U	3.7	4	0.34 U	5.2	0.35 U	0.35 U	3.7 U
Aldrin	110	0.42 U	0.42 U	0.37 U	0.39 U	1.9 J	3	0.41 U	0.4 U	4.3 U
alpha-BHC	2,900	0.32 U	0.32 U	0.29 U	0.3 U	0.3 U	0.31 U	0.31 U	0.31 U	6.2 J
alpha-Chlordane	540	0.13 U	0.13 U	0.33 J	0.12 U	0.12 U	0.13 U	0.13 U	0.21 J	1.3 U
beta-BHC	200	0.9 J	0.31 U	0.28 U	1.8 J	1 J	1 J	1 J	1.1 J	12 J
delta-BHC	300	0.12 U	0.12 U	0.11 U	0.11 U	0.11 U	0.12 U	0.12 U	0.12 U	4 J
Dieldrin	900	0.38 U	0.38 U	0.33 U	0.35 U	0.36 U	0.37 U	0.37 U	0.36 U	3.8 U
Endosulfan I	900	0.17 U	0.17 U	0.15 U	0.16 U	0.16 U	0.17 U	0.17 U	0.17 U	1.8 U
Endosulfan II	900	2.1 J	0.2 U	0.3 J	2.8 J	6	4.4	3.6 J	1.4 J	2 U
Endosulfan sulfate	1,000	3.7 J	0.2 U	0.27 J	1.8 J	4	3.4 J	16	2.8 J	2.1 U
Endrin	100	1 U	1 U	0.93 U	0.97 U	0.98 U	1 U	14	1 U	11 U
Endrin aldehyde	NA	0.38 U	0.38 U	0.34 U	0.35 U	0.36 U	0.37 U	0.37 U	0.36 U	3.9 U
Endrin ketone	NA	0.17 U	0.17 U	0.15 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	1.7 U
gamma-BHC (Lindane)	60	0.18 U	0.18 U	0.16 U	0.17 U	0.17 U	0.17 U	0.17 JB	0.39 J	1.8 JB
gamma-Chlordane	540	0.11 U	0.11 U	0.095 U	0.099 U	0.1 U	0.1 U	0.1 JB	0.1 U	7.9 JB
Heptachlor	100	0.47 J	0.18 U	0.16 U	0.16 U	0.17 U	0.17 U	0.99 J	0.38 J	7.7 J
Heptachlor epoxide	20	1.8 J	0.13 U	0.24 J	0.12 U	1.1 JN	1.2 J	6.8	1.1 J	90
Methoxychlor	10,000	2.5 U	2.5 U	2.2 U	2.3 U	2.3 U	2.4 U	2.4 U	2.4 U	25 U
Toxaphene	NA	5.7 U	5.6 U	5 U	5.3 U	5.3 U	5.5 U	5.5 U	5.4 U	58 U

TABLE 4

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
PCBs and Pesticides

PCBs

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	TAGM 4046 RSCO (ppb)	1 MB-52729 SB-5(8-9) 210358-006 7/29/2005 (ppb)	1 MB-53103 SB-6(1-2) 210417-001 8/5/2005 (ppb)	1 MB-53103 SB-6(6-7) 210417-002 8/5/2005 (ppb)	1 MB-52778 SB-7/8(1-3) 210358-017 7/31/2005 (ppb)	1 MB-52778 SB-7/8(8-9) 210358-018 7/31/2005 (ppb)	1 MB-52729 SB-9(0.5-2) 210358-003 7/29/2005 (ppb)	1 MB-52729 SB-11(1-3) 210358-007 7/29/2005 (ppb)	1 MB-52729 SB-11(8-9) 210358-008 7/29/2005 (ppb)	1 MB-52729 SB-12(1-3) 210358-009 7/29/2005 (ppb)
Aroclor 1016	1,000/10,000	3.1 U	3.2 U	3.2 U	3.1 U	3.2 U	3.1 U	3.1 U	3.1 U	3.1 U
Aroclor 1221	1,000/10,000	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U
Aroclor 1232	1,000/10,000	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U
Aroclor 1242	1,000/10,000	3.3 U	3.4 U	3.4 U	3.3 U	3.5 U	3.3 U	3.3 U	3.3 U	3.3 U
Aroclor 1248	1,000/10,000	3 U	3 U	3 U	3 U	3.1 U	3 U	3 U	2.9 U	2.9 U
Aroclor 1254	1,000/10,000	1.3 U	1.4 U	1.4 U	1.3 U	1.4 U	1.3 U	1.3 U	1.3 U	1.3 U
Aroclor 1260	1,000/10,000	4.4 U	4.5 U	4.5 U	4.4 U	4.6 U	4.8 JM	4.4 U	49 M	4.3 U

Pesticides

4 4'-DDD	2,100	0.42 U	0.43 U	0.43 U	0.42 U	0.44 U	0.42 U	0.42 U	4.1 U	0.42 U
4 4'-DDE	2,100	0.48 U	0.49 U	2.1 J	7.4 M	0.5 U	6.1	7.5 M	7.9 J	1.3 J
4 4'-DDT	41	0.34 U	0.35 U	0.35 U	7.1	0.36 U	0.34 U	0.34 U	3.4 U	0.34 U
Aldrin	110	0.39 U	0.4 U	0.4 U	0.39 U	0.41 U	0.4 U	0.4 U	3.9 U	0.39 U
alpha-BHC	2,900	0.3 U	0.31 U	0.31 U	0.3 U	0.32 U	0.31 U	0.31 U	3 U	0.3 U
alpha-Chlordane	540	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U	0.12 U	1.2 U	0.12 U
beta-BHC	200	0.3 U	0.3 U	0.3 U	1.1 J	0.31 U	1.8 J	1.5 J	18 J	0.42 J
delta-BHC	300	0.11 U	0.12 U	0.12 U	0.46 J	0.12 U	0.11 U	0.11 U	7 J	0.14 J
Dieldrin	900	0.36 U	0.36 U	0.36 U	0.35 U	0.37 U	0.36 U	0.36 U	52	0.35 U
Endosulfan I	900	0.16 U	0.16 U	0.17 U	0.16 U	0.17 U	0.16 U	0.16 U	1.6 U	0.16 U
Endosulfan II	900	0.44 J	0.19 U	0.19 U	11	0.2 U	9.7	6.3	1.8 U	1.7 J
Endosulfan sulfate	1,000	0.76 J	0.19 U	0.2 U	18	0.2 U	13	13	1.9 U	1.5 J
Endrin	100	0.99 U	1 U	1 U	0.98 U	1 U	0.99 U	0.99 U	9.7 U	0.97 U
Endrin aldehyde	NA	0.36 U	0.36 U	0.37 U	0.36 U	0.37 U	0.36 U	0.36 U	3.5 U	0.35 U
Endrin ketone	NA	0.16 U	0.16 U	0.16 U	0.16 U	0.17 U	0.16 U	0.16 U	1.6 U	0.16 U
gamma-BHC (Lindane)	60	0.17 U	0.17 JB	0.17 JB	0.17 U	0.18 U	0.17 U	0.17 U	1.7 U	0.17 U
gamma-Chlordane	540	0.1 U	0.1 JB	0.1 JB	0.1 U	0.11 U	0.1 U	0.1 U	23	0.099 U
Heptachlor	100	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.62 J	0.17 U	1.6 U	0.16 U
Heptachlor epoxide	20	0.3 J	0.13 U	0.13 U	3.3	0.13 U	2.4	6.8	45	1.5 J
Methoxychlor	10,000	2.3 U	2.4 U	2.4 U	2.3 U	2.4 U	2.4 U	2.3 U	23 U	2.3 U
Toxaphene	NA	5.4 U	5.4 U	5.5 U	5.3 U	5.6 U	5.4 U	5.4 U	53 U	5.3 U

TABLE 4

470 Kent Avenue
Subsurface Investigation
Soil Analytical Results
PCBs and Pesticides

PCBs

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	TAGM 4046 RSCO (ppb)	1 MB-52729 SB-12(8-9) 210358-010 7/29/2005 (ppb)	1 MB-52729 SB-13(0.5-2) 210358-001 7/29/2005 (ppb)	1 MB-52729 SB-13(7-9) 210358-002 7/29/2005 (ppb)	1 MB-52778 SB-14(1-3) 210358-021 7/31/2005 (ppb)	1 MB-52778 SB-14(6-7) 210358-022 7/31/2005 (ppb)	1 MB-52610 FIELD BLANK 210358-019 7/31/2005 (ppb)	1 MB-53003 FIELD BLANK 210417-005 8/5/2005 (ppb)
Aroclor 1016	1,000/10,000	3.4 U	3.2 U	3.2 U	3.1 U	3.3 U	0.057 U	0.057 U
Aroclor 1221	1,000/10,000	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U	0.11 U	0.11 U
Aroclor 1232	1,000/10,000	2.3 U	2.1 U	2.1 U	2.1 U	2.2 U	0.081 U	0.081 U
Aroclor 1242	1,000/10,000	3.6 U	3.4 U	3.4 U	3.3 U	3.5 U	0.072 U	0.072 U
Aroclor 1248	1,000/10,000	3.3 U	3.1 U	3.1 U	3 U	3.2 U	0.06 U	0.06 U
Aroclor 1254	1,000/10,000	1.5 U	1.4 U	1.4 U	1.3 U	1.4 U	0.094 U	0.094 U
Aroclor 1260	1,000/10,000	4.8 U	14 J	4.6 U	11 J	4.7 U	0.082 U	0.082 U

Pesticides

4 4'-DDD	2,100	0.45 U	0.43 U	0.44 U	0.42 U	0.45 U	0.014 U	0.014 U
4 4'-DDE	2,100	0.52 U	3.4 J	2.8 J	11	0.51 U	0.0088 U	0.016 J
4 4'-DDT	41	0.37 U	0.35 U	0.35 U	0.34 U	0.36 U	0.01 U	0.01 U
Aldrin	110	0.42 U	0.4 U	0.41 U	0.39 U	0.42 U	0.0058 U	0.0058 U
alpha-BHC	2,900	0.33 U	0.31 U	0.31 U	0.3 U	0.32 U	0.011 U	0.011 U
alpha-Chlordane	540	0.13 U	0.12 U	0.13 U	0.12 U	0.33 J	0.0055 U	0.0055 U
beta-BHC	200	0.32 U	0.31 U	0.87 J	1.3 J	0.32 U	0.013 U	0.013 U
delta-BHC	300	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.0022 U	0.0022 U
Dieldrin	900	0.38 U	0.36 U	0.37 U	0.35 U	0.38 U	0.0057 U	0.0057 U
Endosulfan I	900	0.17 U	0.17 U	0.17 U	0.16 U	0.17 U	0.0035 U	0.0035 U
Endosulfan II	900	0.2 U	2.1 J	1.4 J	2.6 J	0.2 U	0.012 U	0.012 U
Endosulfan sulfate	1,000	0.21 U	2.6 J	2.8 J	8.7	0.2 U	0.014 U	0.014 U
Endrin	100	1.1 U	3.2 J	1 U	0.98 U	1 U	0.025 U	0.025 U
Endrin aldehyde	NA	0.38 U	0.37 U	0.37 U	0.36 U	0.38 U	0.028 U	0.028 U
Endrin ketone	NA	0.17 U	0.16 U	0.16 U	0.16 U	0.17 U	0.016 U	0.016 U
gamma-BHC (Lindane)	60	0.18 U	0.17 U	0.21 J	0.17 U	0.18 U	0.0052 U	0.0052 U
gamma-Chlordane	540	0.11 U	0.1 U	0.1 U	1 J	0.11 U	0.0061 U	0.0061 U
Heptachlor	100	0.18 U	0.17 U	0.17 U	0.17 U	0.18 U	0.012 J	0.0078 U
Heptachlor epoxide	20	0.14 U	1.9	0.64 J	13	0.13 U	0.0057 U	0.0057 U
Methoxychlor	10,000	2.5 U	2.4 U	2.4 U	2.3 U	2.5 U	0.041 U	0.041 U
Toxaphene	NA	5.7 U	5.5 U	5.5 U	5.3 U	5.7 U	0.21 U	0.21 U

TALE 5

470 Kent Avenue
Subsurface Investigation
Groundwater Analytical Results
Volatile Organic Compounds

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-54075 MW-1 210582-004 8/21/2005 (ppb)	1 MB-54075 MW-5 210582-003 8/21/2005 (ppb)	1 MB-54075 MW-9 210582-006 8/23/2005 (ppb)	25 MB-54075 MW-11 210582-002 8/21/2005 (ppb)	50 MB-54075 MW-12 210582-001 8/21/2005 (ppb)	1 MB-54019 FIELD BLANK 210582-005 8/21/2005 (ppb)	1 MB-54019 TRIP BLANK 210582-007 8/23/2005 (ppb)
1 1 1-Trichloroethane	5	0.4 U	0.4 U	0.4 U	10 U	20 U	0.4 U	0.4 U
1 1 2 2-Tetrachloroethane	5	0.4 U	0.4 U	0.4 U	10 U	20 U	0.4 U	0.4 U
1 1 2-Trichloroethane	5	0.6 U	0.6 U	0.6 U	15 U	30 U	0.6 U	0.6 U
1 1-Dichloroethane	5	0.6 U	0.6 U	0.6 U	15 U	30 U	0.6 U	0.6 U
1 1-Dichloroethene	5	0.7 U	0.7 U	0.7 U	18 U	35 U	0.7 U	0.7 U
1 2-Dichloroethane	5	0.6 U	0.6 U	0.6 U	15 U	30 U	0.6 U	0.6 U
1 2-Dichloropropane	1	0.9 U	0.9 U	0.9 U	22 U	45 U	0.9 U	0.9 U
2-Butanone (MEK)	50	1.2 U	1.2 U	1.2 U	180 J	390 J	1.2 U	1.2 U
2-Hexanone	50	0.8 U	0.8 U	0.8 U	20 U	40 U	0.8 U	0.8 U
4-Methyl-2-pentanone (MIBK)	50	0.7 U	0.7 U	0.7 U	18 U	35 U	0.7 U	0.7 U
Acetone	50	7.2 J	1.4 U	1.8 J	110 J	280 J	1.4 U	1.4 U
Benzene	0.7	0.76 J	1.9 J	0.4 U	1,900	5,700	0.4 U	0.4 U
Bromodichloromethane	50	0.4 U	0.4 U	0.4 U	10 U	20 U	0.4 U	0.4 U
Bromoform	50	0.8 U	0.8 U	0.8 U	20 U	40 U	0.8 U	0.8 U
Bromomethane	5	1.2 U	1.2 U	1.2 U	30 U	60 U	1.2 U	1.2 U
Carbon disulfide	50	0.9 U	0.9 U	0.9 U	22 U	45 U	0.9 U	0.9 U
Carbon tetrachloride	5	1 U	1 U	1 U	25 U	50 U	1 U	1 U
Chlorobenzene	5	0.4 U	0.4 U	0.4 U	10 U	20 U	0.4 U	0.4 U
Chloroethane	50	0.8 U	0.8 U	0.8 U	20 U	40 U	0.8 U	0.8 U
Chloroform	7	0.7 U	0.7 U	0.7 U	18 U	35 U	0.7 U	0.7 U
Chloromethane	NA	0.5 U	0.5 U	0.5 U	12 U	25 U	0.5 U	0.5 U
cis-1 2-Dichloroethene	5	2.9 J	0.6 U	0.6 U	15 U	30 U	0.6 U	0.6 U
cis-1 3-Dichloropropene	5	0.5 U	0.5 U	0.5 U	12 U	25 U	0.5 U	0.5 U
Dibromochloromethane	NA	0.5 U	0.5 U	0.5 U	12 U	25 U	0.5 U	0.5 U
Ethylbenzene	5	1.4 J	1 U	1 U	140	1,300	1 U	1 U
Methylene chloride	5	0.4 UB	0.4 UB	0.65 JB	16 JB	46 JB	0.49 J	0.4 U
Methyl-tert-butyl-ether (MTBE)	NA	0.3 U	0.3 U	0.3 U	7.5 U	15 U	0.3 U	0.3 U
Styrene	5	0.5 U	0.5 U	0.5 U	37 J	25 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	12 U	25 U	0.5 U	0.5 U
Toluene	5	1.3 J	0.65 J	0.3 U	470	2,800	0.3 U	0.3 U
trans-1 2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	12 U	25 U	0.5 U	0.5 U
trans-1 3-Dichloropropene	NA	0.8 U	0.8 U	0.8 U	20 U	40 U	0.8 U	0.8 U
Trichloroethene	5	0.7 U	0.7 U	0.7 U	18 U	35 U	0.7 U	0.7 U
Vinyl chloride	2	14	0.8 U	0.8 U	20 U	40 U	0.8 U	0.8 U
Xylenes (total)	5	4.6 J	2.3 J	1 U	580	6,000	1 U	1 U

TABLE 6

470 Kent Avenue
Subsurface Investigation
Groundwater Analytical Results
Semivolatile Organic Compounds

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-53849 MW-1 210582-004 8/21/2005 (ppb)	1 MB-53849 MW-5 210582-003 8/21/2005 (ppb)	1 MB-53969 MW-9 210582-006 8/23/2005 (ppb)	50 MB-53849 MW-11 210582-002 8/21/2005 (ppb)	10 MB-53849 MW-12 210582-001 8/21/2005 (ppb)	1 MB-53849 FIELD BLANK 210582-005 8/21/2005 (ppb)
1 2 4-Trichlorobenzene	5	0.7 U	0.7 U	0.7 U	34 U	7 U	0.7 U
1 2-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	37 U	7 U	0.7 U
1 3-Dichlorobenzene	3	0.7 U	0.7 U	0.7 U	34 U	7 U	0.7 U
1 4-Dichlorobenzene	3	0.5 U	0.5 U	0.5 U	23 U	5 U	0.5 U
2 2-oxybis (1-chloropropane)	NA	0.6 U	0.6 U	0.6 U	31 U	6 U	0.6 U
2 4 5-Trichlorophenol	5	0.8 U	0.8 U	0.8 U	39 U	8 U	0.8 U
2 4 6-Trichlorophenol	5	0.8 U	0.8 U	0.8 U	40 U	8 U	0.8 U
2 4-Dichlorophenol	5	0.8 U	0.8 U	0.8 U	42 U	8 U	0.8 U
2 4-Dimethylphenol	5	0.7 U	0.7 U	0.7 U	36 U	7 U	0.7 U
2 4-Dinitrophenol	10	5 U	5 U	5 U	260 U	51 U	5 U
2 4-Dinitrotoluene	5	0.8 U	0.8 U	0.8 U	40 U	8 U	0.8 U
2 6-Dinitrotoluene	5	0.6 U	0.6 U	0.6 U	30 U	6 U	0.6 U
2-Chloronaphthalene	50	0.7 U	0.7 U	0.7 U	36 U	7 U	0.7 U
2-Chlorophenol	50	0.6 U	0.6 U	0.6 U	30 U	6 U	0.6 U
2-Methylnaphthalene	5	0.6 U	0.6 U	0.6 U	86 J	88 J	0.6 U
2-Methylphenol	5	0.6 U	0.6 U	0.6 U	30 U	6 U	0.6 U
2-Nitroaniline	5	1 U	1 U	1 U	56 U	11 U	1 U
2-Nitrophenol	5	0.8 U	0.8 U	0.8 U	38 U	8 U	0.8 U
3 3-Dichlorobenzidine	5	1 U	1 U	1 U	49 U	10 U	1 U
3-Nitroaniline	5	0.7 U	0.7 U	0.7 U	34 U	7 U	0.7 U
4 6-Dinitro-2-methylphenol	5	4 U	4 U	4 U	210 U	42 U	4 U
4-Bromophenyl phenyl ether	5	0.9 U	0.9 U	0.9 U	46 U	9 U	0.9 U
4-Chloro-3-methylphenol	5	0.5 U	0.5 U	0.5 U	26 U	5 U	0.5 U
4-Chloroaniline	5	0.4 U	0.4 U	0.4 U	22 U	4 U	0.4 U
4-Chlorophenyl phenyl ether	5	0.8 U	0.8 U	0.8 U	41 U	8 U	0.8 U
4-Methylphenol	50	0.3 U	0.3 U	0.3 U	16 U	3 U	0.3 U
4-Nitroaniline	5	1 U	1 U	1 U	52 U	10 U	1 U
4-Nitrophenol	5	2 U	2 U	2 U	92 U	18 U	2 U
Acenaphthene	20	15	0.8 U	0.8 U	40 U	8 U	0.8 U
Acenaphthylene	20	0.8 U	0.8 U	0.8 U	82 J	8 U	0.8 U
Anthracene	20	5 J	1 U	1 U	50 U	10 U	1 U
Benzo(a)anthracene	0.002	2 J	1 U	1 U	60 U	12 U	1 U
Benzo(a)pyrene	5	2 J	1 U	1 U	54 U	11 U	1 U
Benzo(b)fluoranthene	0.002	2 J	2 U	2 U	77 U	15 U	2 U
Benzo(ghi)perylene	NA	1 U	1 U	1 U	52 U	10 U	1 U
Benzo(k)fluoranthene	0.002	0.9 U	0.9 U	0.9 U	46 U	9 U	0.9 U
Benzyl alcohol	NA	1 U	1 U	1 U	50 U	10 U	1 U
Bis(2-chloroethoxy)methane	5	0.5 U	0.5 U	0.5 U	23 U	5 U	0.5 U
Bis(2-chloroethyl)ether	1	0.9 U	0.9 U	0.9 U	44 U	9 U	0.9 U
Bis(2-ethylhexyl)phthalate	5	1 U	1 U	1 U	66 U	13 U	1 U
Butyl benzyl phthalate	50	1 U	1 U	1 U	48 U	10 U	1 U
Carbazole	NA	30	1 U	1 U	73 J	11 U	1 U
Chrysene	0.002	2 J	1 U	1 U	48 U	10 U	1 U
Dibenzo(a h)anthracene	50	1 U	1 U	1 U	67 U	13 U	1 U
Dibenzofuran	5	3 J	0.8 U	0.8 U	42 J	8 U	0.8 U
Diethyl phthalate	50	0.8 U	0.8 U	0.8 U	41 U	8 U	0.8 U
Dimethyl phthalate	50	0.6 U	0.6 U	0.6 U	32 U	6 U	0.6 U
Di-n-butyl phthalate	50	1 U	1 U	1 U	57 U	11 U	1 U
Di-n-octyl phthalate	50	1 U	1 U	1 U	65 U	13 U	1 U
Fluoranthene	50	9 J	1 U	1 U	54 U	11 U	1 U
Fluorene	50	11	0.8 U	0.8 U	38 U	8 U	0.8 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	54 U	11 U	1 U
Hexachlorobutadiene	0.5	0.8 U	0.8 U	0.8 U	42 U	8 U	0.8 U
Hexachlorocyclopentadiene	5	2 U	2 U	2 U	110 U	22 U	2 U
Hexachloroethane	5	1 U	1 U	1 U	53 U	11 U	1 U
Indeno(1 2 3-cd)pyrene	0.002	1 U	1 U	1 U	58 U	12 U	1 U
Isophorone	50	0.7 U	0.7 U	0.7 U	33 U	7 U	0.7 U
Naphthalene	10	0.7 U	3 J	0.7 U	2,200	330	0.7 U
Nitrobenzene	0.4	0.8 U	0.8 U	0.8 U	40 U	8 U	0.8 U
n-Nitroso-di-n-propylamine	NA	0.7 U	0.7 U	0.7 U	35 U	7 U	0.7 U
n-Nitrosodiphenylamine	50	1 U	1 U	1 U	54 U	11 U	1 U
Pentachlorophenol	1	5 U	5 U	5 U	250 U	50 U	5 U
Phenanthrene	50	17	0.7 U	0.7 U	57 J	16 J	0.7 U
Phenol	1	0.4 U	0.4 U	0.4 U	320 J	11 JH	0.4 U
Pyrene	50	6 J	1 U	1 U	50 U	10 U	1 U

TABLE 7

470 Kent Avenue
Subsurface Investigation
Groundwater Analytical Results
Total Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-53873 MW-1 210582-004 8/21/2005 (ppb)	1 MB-53873 MW-5 210582-003 8/21/2005 (ppb)	1 MB-53873 MW-9 210582-006 8/23/2005 (ppb)	1 MB-53873 MW-11 210582-002 8/21/2005 (ppb)	1 MB-53873 MW-12 210582-001 8/21/2005 (ppb)	1 MB-54017 FIELD BLANK 210582-005 8/21/2005 (ppb)
Aluminum	NA	5,280	10,500	344 B	291 B	669	92 U
Antimony	3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Arsenic	25	17.3 B	32.1 B	4 B	3.9 U	3.9 U	3.9 U
Barium	1,000	53.2	172	38.5	331	216	0.74 U
Beryllium	3	0.54 U	0.69 B	0.54 U	0.54 U	0.54 U	0.54 U
Cadmium	5	1.1 U	3.2 B	1.1 U	1.1 U	1.1 U	1.1 U
Calcium	NA	105,000	179,000	200,000	62,000	126,000	56 U
Chromium	50	9.1 B	63.7	1.3 U	4 B	1.3 U	1.3 U
Cobalt	NA	4.5 B	7.8 B	1.8 U	1.8 U	2.6 B	1.8 U
Copper	NA	22.6	124	4.3 U	4.3 U	4.3 U	4.3 U
Iron	300	8,060	14,400	485	1,930	1940	54 U
Lead	25	51.4	697	3 U	3 U	26.9	3 U
Magnesium	35,000	24,100	459,000	552,000	48,800	45,500	26 U
Manganese	300	475	733	147	582	1100	6.9 U
Mercury	0.7	0.07 U	4.9	0.11 B	0.07 U	0.44	0.07 U
Nickel	100	9.4 B	20	1.9 U	5.3 B	3.8 B	1.9 U
Potassium	NA	20,400	257,000	301,000	35,000	23,200	191 U
Selenium	10	7.6 B	5 U	5 U	5 U	5 U	5 U
Silver	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium	20,000	104,000 N	146,000 N	135,000 N	77,500 N	143,000 N	98 U
Thallium	0.5	10 U	10 U	11.5 B	10 U	10 U	10 U
Vanadium	NA	12.5	52.2	4.5 B	1.5 U	1.5 U	1.5 U
Zinc	2,000	33.1 B	579	11 U	11 U	38.1 B	11 U

TABLE 8

470 Kent Avenue

Subsurface Investigation
Groundwater Analytical Results
Dissolved Metals

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-53873 MW-1 210582-004 8/21/2005 (ppb)	1 MB-53873 MW-5 210582-003 8/21/2005 (ppb)	1 MB-53873 MW-9 210582-006 8/23/2005 (ppb)	1 MB-53873 MW-11 210582-002 8/21/2005 (ppb)	1 MB-53873 MW-12 210582-001 8/21/2005 (ppb)	1 MB-53873 FIELD BLANK 210582-005 8/21/2005 (ppb)
Aluminum-Dissolved	NA	92 U	92 U	92 U	92 U	92 U	92 U
Antimony-Dissolved	3	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U	5.4 U
Arsenic-Dissolved	25	9.2 B	3.9 U	3.9 U	3.9 U	3.9 U	3.9 U
Barium-Dissolved	1,000	22.7	121	37	168	211	0.74 U
Beryllium-Dissolved	3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U
Cadmium-Dissolved	5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Calcium-Dissolved	NA	102,000	179,000	200,000	58,500	126,000	56 U
Chromium-Dissolved	50	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Cobalt-Dissolved	NA	1.8 U	1.8 U	1.8 U	1.8 U	2.5 B	1.8 U
Copper-Dissolved	NA	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U	4.3 U
Iron-Dissolved	300	54 U	83.1 B	117 B	54 U	1,080	54 U
Lead-Dissolved	25	3 U	3 U	3 U	3 U	22.1	3 U
Magnesium-Dissolved	35,000	23,000	472,000	553,000	46,700	45,200	26 U
Manganese-Dissolved	300	254	439	127	442	1,090	6.9 U
Mercury-Dissolved	0.7	0.07 U	2.9	0.07 U	0.07 U	0.13 B	0.12 B
Nickel-Dissolved	100	2.7 B	1.9 U	1.9 U	2.4 B	3 B	1.9 U
Potassium-Dissolved	NA	19,500	262,000	299,000	33,300	22,800	191 U
Selenium-Dissolved	10	5.6 B	5 U	5 U	5 U	5 U	5 U
Silver-Dissolved	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Sodium-Dissolved	20,000	108,000 N	144,000 N	134,000 N	74,900 N	142,000 N	98 UN
Thallium-Dissolved	0.5	10 U	10 U	10 U	10 U	10 U	10 U
Vanadium-Dissolved	NA	1.5 U	2.9 B	3.9 B	1.5 U	1.5 U	1.5 U
Zinc-Dissolved	2,000	11 U	11 U	11 U	11 U	11 U	11 U

TABLE 9

470 Kent Avenue

Subsurface Investigation
Groundwater Analytical Results
PCBs and Pesticides

PCBs

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-53851 MW-1 210582-004 8/21/2005 (ppb)	1 MB-53851 MW-5 210582-003 8/21/2005 (ppb)	1 MB-54171 MW-9 210582-006 8/23/2005 (ppb)	1 MB-53851 MW-11 210582-002 8/21/2005 (ppb)	1 MB-53851 MW-12 210582-001 8/21/2005 (ppb)	1 MB-53851 FIELD BLANK 210582-005 8/21/2005 (ppb)
Aroclor 1016	0.09	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U
Aroclor 1221	0.09	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Aroclor 1232	0.09	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U
Aroclor 1242	0.09	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U	0.072 U
Aroclor 1248	0.09	0.06 U	0.06 U	0.06 U	0.06 U	0.34 JM	0.06 U
Aroclor 1254	0.09	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U	0.094 U
Aroclor 1260	0.09	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U	0.082 U

Pesticides

Dilution Method Blank Client ID Lab Sample ID Date Sampled Units Compound	NYSDEC Class GA Ambient Water Quality Standards (ppb)	1 MB-53851 MW-1 210582-004 8/21/2005 (ppb)	1 MB-53851 MW-5 210582-003 8/21/2005 (ppb)	1 MB-54171 MW-9 210582-006 8/23/2005 (ppb)	1 MB-53851 MW-11 210582-002 8/21/2005 (ppb)	1 MB-53851 MW-12 210582-001 8/21/2005 (ppb)	1 MB-53851 FIELD BLANK 210582-005 8/21/2005 (ppb)
4 4'-DDD	0.3	0.014 U	0.014 U	0.014 U	0.024 J	0.014 U	0.014 U
4 4'-DDE	0.2	0.0088 U	0.0088 U	0.0088 U	0.019 J	0.009 J	0.0088 U
4 4'-DDT	0.2	0.01 U	0.01 U	0.01 U	0.018 J	0.01 U	0.01 U
Aldrin	NA	0.0058 U	0.0058 U	0.0058 U	0.033 J	0.019 J	0.0058 U
alpha-BHC	NA	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U	0.011 U
alpha-Chlordane	0.01	0.0055 U	0.0055 U	0.0055 U	0.0055 U	0.006 J	0.0055 U
beta-BHC	NA	0.06	0.013 U	0.013 U	0.1	0.016 J	0.013 U
delta-BHC	NA	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U	0.0022 U
Dieldrin	0.004	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U	0.0057 U
Endosulfan I	NA	0.0035 U	0.0035 U	0.019 J	0.0035 U	0.0035 U	0.0035 U
Endosulfan II	NA	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U	0.012 U
Endosulfan sulfate	NA	0.049 J	0.014 U	0.014 U	0.014 U	0.014 U	0.014 U
Endrin	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Endrin aldehyde	5	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U	0.028 U
Endrin ketone	5	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U	0.016 U
gamma-BHC (Lindane)	NA	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U	0.0052 U
gamma-Chlordane	0.01	0.0061 U	0.0061 U	0.0061 U	0.0061 U	0.0061 U	0.0061 U
Heptachlor	0.04	0.0078 U	0.0078 U	0.0078 U	0.0078 U	0.017 J	0.0078 U
Heptachlor epoxide	0.03	0.082	0.0057 U	0.0057 U	0.086	0.015 J	0.0057 U
Methoxychlor	35	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U	0.041 U
Toxaphene	0.06	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U	0.21 U

FIGURES

QUADRANGLE

SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:

USGS TOPOGRAPHIC MAP - CENTRAL PARK, N.Y.
QUADRANGLE - DATED 1966, PHOTOREVISED 1979

470-490 KENT AVENUE
Brooklyn, New York

PROJECT SITE LOCATION

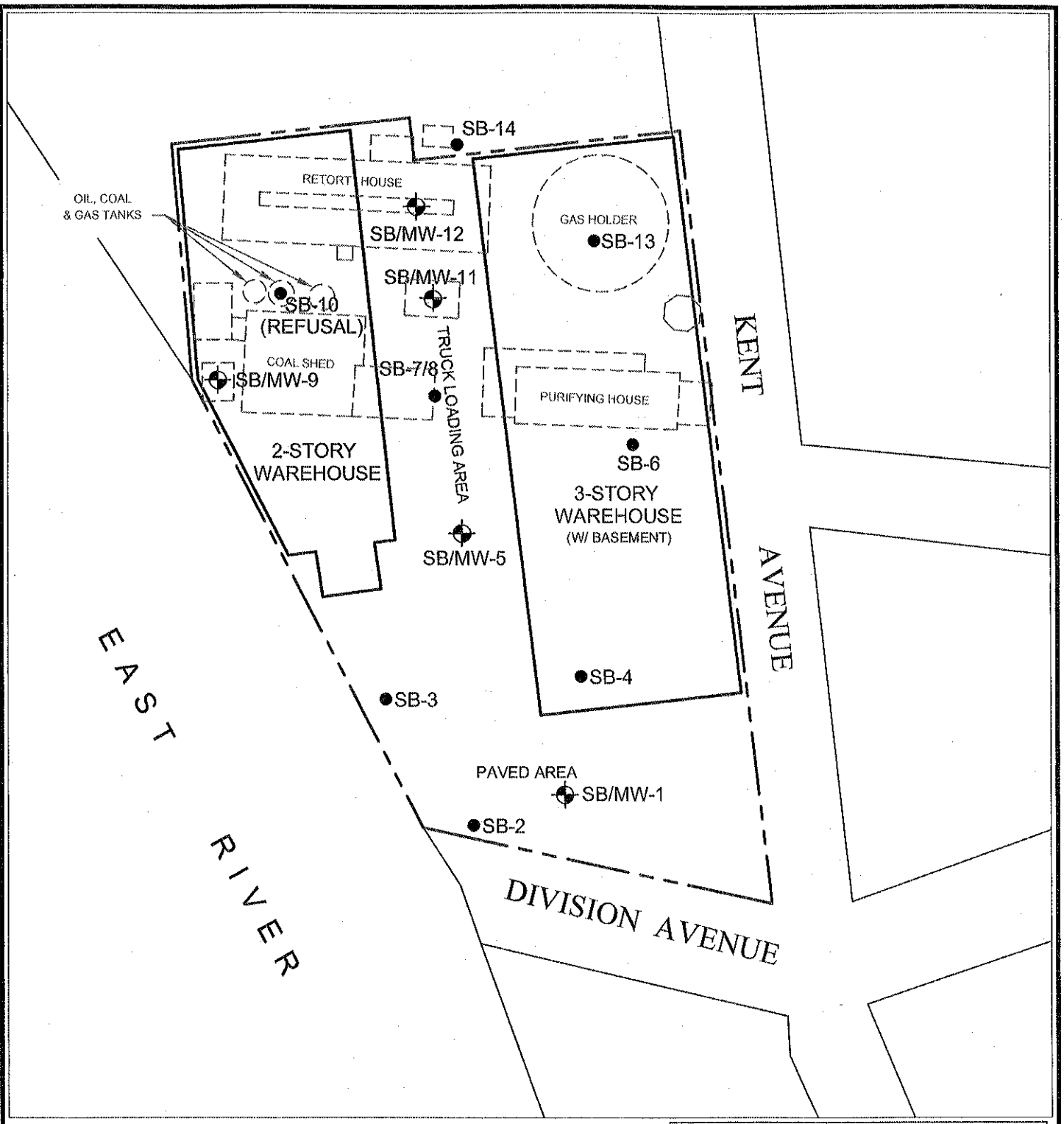
AKRF

Environmental Consultants
116 East 27th Street, New York, N.Y. 10016

DATE
01.02.04

PROJECT No.
10441

FIGURE No.
1



470-490 KENT AVENUE

Brooklyn, New York

SOIL AND GROUNDWATER SAMPLING LOCATIONS

AKRF

Environmental Consultants

440 Park Avenue South, New York, N.Y. 10016

DATE 10.14.05

PROJECT No. 10441

FIGURE No. 2

APPENDIX A

SOIL BORING AND WELL CONSTRUCTION LOGS

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB/MW-1

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Overcast
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 21:05	Time: 21:30
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	40"	Top 4": ASPHALT. Middle 34": BRICK, some brown fine Sand, trace Silt, Asphalt (FILL). Bottom 2": BRICK (FILL).	ND	No Odor	Dry	SB-1 (1'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	48"	Top 46": Brown fine SAND and SILT, some Brick (FILL), trace fine Gravel. Bottom 2": Brown SILT.	ND	No Odor	Dry	
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Dry	
10						
11	36"	Brown/gray SILT.	ND	No Odor	Dry	SB-1 (10'-11')
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14						
15						
16	40"	Gray SILT, trace fine Gravel.	ND	No Odor	Wet	
17			ND	No Odor	Wet	
18			ND	No Odor	Wet	
19			ND	No Odor	Wet	
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 11 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB-2

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	75F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 09:00	Time: 09:55
Date: 7/31/05	Date: 7/31/05

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	38"	Top 3": ASPHALT. Middle 3": Fine GRAVEL (FILL). Lower 4": Gray fine SAND, some Silt, trace Coal (FILL). Bottom 26": Light brown fine SAND.	ND	No Odor	Dry	SB-2 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	42"	Top 16": WODD (FILL). Bottom 26": COAL, COAL SLAG (FILL), some fine Gravel, weathered Rock fragments, trace orange/brown fine micaceous Sand.	ND	Slight Creosote-like odor	Dry	SB-2 (8'-9')
7			ND	Slight Creosote-like odor	Dry	
8			ND	Slight Creosote-like odor	Dry	
9			ND	Slight Creosote-like odor	Wet	
10						
11	30"	Top 24": WODD (FILL). Bottom 6": Weathered ROCK (Schist), trace fine Sand.	ND	Slight Creosote-like odor	Wet	
12			ND	Slight Creosote-like odor	Wet	
13			ND	Slight Creosote-like odor	Wet	
14						
15						
16	10"	WOOD (FILL), some Rock fragments, fine Sand, Silt.	ND	Marsh Gas-like odor	Wet	
17						
18		End of boring at 17 feet below grade due to refusal.				
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photolonization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 9 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB-3

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	75F, Clear
Sampler:	AKRF/Steve Grons

Drilling	
Start	Finish
Time: 10:00	Time: 10:30
Date: 7/31/05	Date: 7/31/05

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	26"	Top 3": ASPHALT. Middle 3": CONCRETE. Bottom 20": Brown fine SAND and SILT, trace fine Gravel.	ND	No Odor	Dry	SB-3 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5						
6	30"	Brown fine SAND and SILT, trace fine Gravel.	ND	No Odor	Dry	SB-3 (6'-7')
7			ND	No Odor	Dry	
8			ND	No Odor	Wet	
9						
10						
11	28"	GLASS and fine GRAVEL (FILL), some gray fine Sand.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14						
15						
16	32"	GLASS, fine GRAVEL, CONCRETE (FILL), some gray fine Sand.	ND	Marsh Gas-like odor	Wet	
17			ND	Marsh Gas-like odor	Wet	
18			ND	Marsh Gas-like odor	Wet	
19						
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 7.5 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB-4

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	95F, Clear
Sampler:	AKRF/Steve Grens

Drilling

Start	Finish
Time: 13:00	Time: 13:40
Date: 8/5/05	Date: 8/5/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	36"	Top 6": CONCRETE. Bottom 30": Brown fine SAND and SILT.	ND	No Odor	Dry	SB-4 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5						
6	6"	WOOD (FILL), trace dark brown fine Sand and Silt.	ND	Slight Creosote-like odor on wood	Dry Wet at 7' on liner	SB-4 (6'-7')
7						
8						
9						
10						
11	60"	Top 30": Brown fine to medium SAND, some Silt. Bottom 30": Brown organic SILT.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14			ND	No Odor	Wet	
15			ND	No Odor	Wet	
16	60"	Brown fine to medium SAND, some Silt.	ND	No Odor	Wet	
17			ND	No Odor	Wet	
18			ND	No Odor	Wet	
19			ND	No Odor	Wet	
20			ND	No Odor	Wet	
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photolonization detector** **ND - Not Detected**

Soil sample SB-4 (1'-3') was analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9

Soil sample SB-4 (6'-7') was analyzed for VOCs (Method 8260) only.

Groundwater was encountered at approximately 7 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB/MW-5

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 18:15	Time: 18:45
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	36"	Top 12": CONCRETE. Bottom 24": Dark brown fine SAND and SILT, some Coal Slag, Brick (FILL).	ND	No Odor	Dry	SB-5 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5						
6	42"	Top 12": Dark brown fine SAND and SILT, some Coal Slag, trace Ash (FILL). Bottom 30": Gray/ brown fine SAND and SILT, some Coal Slag, Coal Ash (FILL), trace fine Gravel.	ND	No Odor	Dry	SB-5 (8'-9')/MW-5 (6'-8')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Dry	
10						
11	18"	WODD fragments, some brown/gray organic Silt.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13						
14						
15						
16	40"	Fine GRAVEL, some gray organic Silt.	ND	Marsh Gas-like odor	Wet	
17			ND	Marsh Gas-like odor	Wet	
18			ND	Marsh Gas-like odor	Wet	
19			ND	Marsh Gas-like odor	Wet	
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photolonization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 10 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB-6

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	95F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 11:10	Time: 12:30
Date: 8/5/05	Date: 8/5/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	48"	Top 6": CONCRETE. Middle 2": COAL, some gray fine Sand,Silt (FILL). Bottom 40": Brown fine SAND and SILT, some Fine Gravel, trace Brick (FILL).	ND	No Odor	Dry	SB-6 (1'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	54"	Top 8": Brown fine SAND and SILT, some fine Gravel. Middle 3": ROCk fragments (SCHIST), trace Silt. Bottom 43": Brown fine to medium SAND, some Silt, trace fine Gravel.	ND	No Odor	Dry	SB-6 (6'-7')
7			ND	No Odor	Dry	
8			ND	No Odor	Wet	
9			ND	No Odor	Wet	
10			ND	No Odor	Wet	
11	60"	Top 24": Brown fine to medium SAND and SILT. bottom 36": Brown organic SILT.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14			ND	No Odor	Wet	
15			ND	No Odor	Wet	
16	60"	Brown organic SILT, some fine Sand.	ND	No Odor	Wet	
17			ND	No Odor	Wet	
18			ND	No Odor	Wet	
19			ND	No Odor	Wet	
20			ND	No Odor	Wet	
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 7 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB-7/8

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	75F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 11:00	Time: 11:30
Date: 7/31/05	Date: 7/31/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	48"	Top 4": CONCRETE. Middle 8": BRICK, COAL, COAL SLAG, some black fine Sand, trace Silt (FILL). Bottom 36": Brown SILT, trace fine Gravel.	ND	No Odor	Dry	SB-7/8 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	50"	Brown SILT, trace fine Gravel.	ND	No Odor	Dry	SB-7/8 (8'-9')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Dry	
10			ND	No Odor	Dry Wet	
11	37"	Brown SILT, trace fine Gravel.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14			ND	No Odor	Wet	
15						
16	28"	Top 24": Brown SILT, trace fine Gravel. Bottom 24": Fine GRAVEL, some gray Silt.	ND	Marsh Gas-like odor	Wet	
17			ND	Marsh Gas-like odor	Wet	
18			ND	Marsh Gas-like odor	Wet	
19						
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 9.5 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. **SB/MW-9**

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Start	Finish
Time: 17:20	Time: 17:55
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	26"	Top 6": CONCRETE. Bottom 20": Fine GRAVEL, some brown fine Sand, Silt.	ND	No Odor	Dry	SB-9 (0.5'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5						
6	8"	Top 6": Fine GRAVEL, some brown fine Sand, Silt. Bottom 2": Fine GRAVEL.	ND	No Odor	Dry	SB-9 (6.5'-7')
7						
8						
9					Wet at 8' on liner	
10						
11	30"	Gray organic SILT, some fine Gravel.	ND	Marsh Gas-like odor	Wet	
12			ND	Marsh Gas-like odor	Wet	
13			ND	Marsh Gas-like odor	Wet	
14						
15						
16	18"	Fine GRAVEL, some gray organic Silt.	ND	Marsh Gas-like odor	Wet	
17			ND	Marsh Gas-like odor	Wet	
18						
19						
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: PID - Photoionization detector ND - Not Detected

Soil sample SB-9 (0.5'-2') was analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 90

Soil sample SB-9 (6.5'-7') was analyzed for VOCs (Method 8260) only.

Groundwater was encountered at approximately 8 feet below grade.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB/MW-11

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 19:05	Time: 19:45
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	39"	Top 12": CONCRETE. Middle 10": Dark gray SILT and fine SAND. Bottom 17": BRICK (FILL), some brown fine Sand, Silt, trace fine Gravel.	ND	No Odor	Dry	SB-11 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4						
5						
6	60"	Top 42": Fine GRAVEL, some brown fine Sand, Silt. Middle 10": Black fine SAND and SILT. Slight sheen noted on soil. Bottom 8": WOOD (FILL), trace gray Silt.	ND	No Odor	Dry	SB-11 (8'-9')
7			ND	No Odor	Dry	
8			1.3	Creosote-like odor	Dry	
9			3.1	Creosote-like odor	Dry	
10			ND	Creosote-like odor	Wet	
11	36"	Gray organic SILT.	ND	Marsh Gas-like odor	Wet	
12			ND	Marsh Gas-like odor	Wet	
13			ND	Marsh Gas-like odor	Wet	
14						
15						
16	48"	Gray organic SILT.	ND	Marsh Gas-like odor	Wet	
17			ND	Marsh Gas-like odor	Wet	
18			ND	Marsh Gas-like odor	Wet	
19			ND	Marsh Gas-like odor	Wet	
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 9.5 feet below grade.

AKRF, Inc.

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440 Park Avenue South, 7th Floor
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Boring No. SB/MW-12

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 20:05	Time: 20:30
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	48"	Top 12": CONCRETE. Middle 18": Gray/brown fine SAND, some Coal Slag, Brick (FILL). Bottom 18": Brown SILT, trace fine Sand.	ND	No Odor	Dry	SB-12 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	52"	Top 4": SLOUGH (gray/brown fine SAND, some Coal Slag, Brick). Bottom 48": Gray SILT.	ND	No Odor	Dry	SB-12 (8'-9')
7			ND	No Odor	Dry	
8			0.6	Creosote-like odor	Dry	
9			20.9	Petroleum-like odor	Dry	
10			14.3	Petroleum-like odor	Wet	
11	36"	Gray SILT.	9.2	Petroleum-like odor	Wet	
12			0.8	Petroleum-like odor	Wet	
13			0.4	Petroleum-like odor	Wet	
14						
15						
16	24"	Gray SILT, some fine Gravel.	0.1	Petroleum-like odor	Wet	
17			ND	Petroleum-like odor	Wet	
18						
19						
20						
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 9.5 feet below grade.

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AKRF Project Number : 10441

Boring No. SB-13

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 12:35	Time: 13:25
Date: 7/29/05	Date: 7/29/05

Depth (feet)	Recovery (inches)	Surface Condition: Concrete	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	36"	Top 4": CONCRETE. Middle 5": Gray fine SAND, some Silt, trace fine Gravel. Bottom 27": Brown fine SAND, some Silt, trace fine Gravel, Brick (FILL).	ND	No Odor	Dry	SB-13 (0.5'-2')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	39"	Top 28": Brown fine to medium SAND, some Silt, trace fine Gravel. Bottom 11": Brown medium to coarse SAND and fine GRAVEL, trace Silt, Wood (FILL).	ND	No Odor	Dry	SB-13 (7'-9')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	No Odor	Wet	
10						
11	54"	Top 4": Fine GRAVEL, trace brown medium Sand. Bottom 50": Brown medium to coarse SAND, trace fine Gravel, Silt.	ND	No Odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14			ND	No Odor	Wet	
15			ND	No Odor	Wet	
16	55"	Brown medium to coarse SAND, trace fine Gravel, Silt.	ND	No Odor	Wet	
17			ND	No Odor	Wet	
18			ND	No Odor	Wet	
19			ND	No Odor	Wet	
20			ND	No Odor	Wet	
21		End of boring at 20 feet below grade.				
22						
23						
24						
25						
26						
27						
28						

Notes: PID - Photolonization detector ND - Not Detected

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 8.5 feet below grade.

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440 Park Avenue South, 7th Floor
New York, NY 10016

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AKRF Project Number : 10441

Boring No. SB-14

Sheet 1 of 1

Drilling Method:	Direct Push
Sampling Method:	Macro Core
Driller :	ADT
Weather:	80F, Clear
Sampler:	AKRF/Steve Grens

Drilling	
Start	Finish
Time: 11:50	Time: 12:30
Date: 7/31/05	Date: 7/31/05

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt	PID Reading (ppm)	Odor	Moisture	Soil Samples Collected for Lab Analysis
1	48"	0-3": Asphalt. 3"-12": CONCRETE. 12"-42": Black fine SAND, some Brick, Coal (FILL), trace Silt, fine Gravel. 42"-44": Light brown fine SAND and GRAVEL. 44"-48": Black fine SAND, some Brick, Coal (FILL), trace Silt, fine Gravel.	ND	No Odor	Dry	SB-14 (1'-3')
2			ND	No Odor	Dry	
3			ND	No Odor	Dry	
4			ND	No Odor	Dry	
5						
6	50"	Top 48": Brown organic SILT, trace fine Gravel. Bottom 2": Gray organic SILT, trace fine Gravel.	ND	No Odor	Dry	SB-14 (6'-7')
7			ND	No Odor	Dry	
8			ND	No Odor	Dry	
9			ND	Petroleum-like odor	Wet	
10						
11	20"	Fine GRAVEL, some gray Silt, fine gray Sand.	ND	Petroleum-like odor	Wet	
12			ND	No Odor	Wet	
13			ND	No Odor	Wet	
14			ND	No Odor	Wet	
15			ND	No Odor	Wet	
16		End of boring at 15 feet below grade.				
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

Notes: **PID - Photoionization detector** **ND - Not Detected**

Soil samples were analyzed for VOCs (Method 8260), SVOCs (Method 8270), Pesticides (Method 8081), PCBs (Method 8082), TAL Metals and Cyanide (Method 9012).
Groundwater was encountered at approximately 7.5 feet below grade.

AKRF, Inc.

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440 Park Avenue South
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Well No. **SB/MW-1**

Sheet 1 of 1

Drilling Method:	Direct Push Probe/Hollow Stem Auger	**Drilling**	
Sampling Method:	See boring SB/MW-1	**Start**	**Finish**
Driller :	ADT	**Time:** 08:55	**Time:** 15:00
Weather:	75F Clear	**Date:** 7/31/05	**Date:** 7/31/05
Field Supervisor:	AKRF/Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Asphalt
2		**Flush-mounted well cover, locking cap and concrete seal 0 to 1' below grade**
4		**PVC well riser from 1' to 10'**
6		**Bentonite Slurry Grout 1' to 6'**
8		**Bentonite seal 6' to 8'**
10		
12		**20-Slot PVC well screen 10' to 20'**
14		**Sand pack filter 8' to 19'**
16		
18		**Sand pack filter 8' to 22'**
20		
22		**PVC Sump from 20' to 22'**
24		
26		
28		
30		
32		

Notes: **Stabilized groundwater level measurement of 14.3 feet below grade taken prior to sampling on 3/16/05.**

AKRF, Inc.

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440 Park Avenue South
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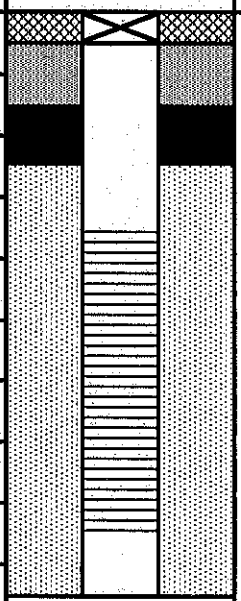
AKRF Project Number : 10441

Well No. SB/MW-5

Sheet 1 **of** 1

Drilling Method:	Direct Push Probe/Hollow Stem Auger	**Drilling**	
Sampling Method:	See boring SB/MW-5	**Start**	**Finish**
Driller :	ADT	**Time:** 16:15	**Time:** 17:00
Weather:	80F Clear	**Date:** 8/5/05	**Date:** 8/5/05
Field Supervisor:	AKRF/Steve Grens		

Depth (feet)	Well Construction	Surface Condition: Concrete
2		Flush-mounted well cover, locking cap and concrete seal 0 to 1' below grade
4		Bentonite Slurry Grout 1' to 3'
6		Bentonite Seal 3' to 5'
8		PVC well riser from 1' to 7'
10		
12		20-Slot PVC well screen 7' to 17'
14		Sand pack filter 5' to 19'
16		
18		PVC Sump from 17' to 19'
20		
22		
24		
26		
28		
30		
32		

Notes: Stabilized groundwater level measurement of 14.3 feet below grade taken prior to sampling on 3/16/05.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Well No. SB/MW-9

Sheet 1 **of** 1

Drilling Method:	Direct Push Probe/Hollow Stem Auger	**Drilling**	
Sampling Method:	See boring SB/MW-9	**Start**	**Finish**
Driller :	ADT	**Time:** 13:00	**Time:** 15:20
Weather:	80F Clear	**Date:** 8/5/05	**Date:** 8/5/05
Field Supervisor:	AKRF/Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Concrete
2		**Flush-mounted well cover, locking cap and concrete seal 0 to 1' below grade**
4		**Bentonite Seal 1' to 3'**
6		**PVC well riser from 3' to 5'**
8		**20-Slot PVC well screen 5' to 15'**
10		
12		**Sand pack filter 3' to 16'**
14		
16		**PVC Sump from 20' to 22'**
18		
20		
22		
24		
26		
28		
30		
32		

Notes: **Stabilized groundwater level measurement of 14.3 feet below grade taken prior to sampling on 3/16/05.**

AKRF, Inc.	470-490 Kent Avenue, Brooklyn, NY		Well No. SB/MW-11	
	AKRF Project Number : 10441		Sheet 1 of 1	
Environmental Consultants	Drilling Method:	Direct Push Probe/Hollow Stem Auger	Drilling	
	Sampling Method:	See boring SB/MW-11	Start	Finish
440 Park Avenue South	Driller :	ADT	Time: 17:00	Time: 18:00
New York, NY 10016	Weather:	80F Clear	Date: 8/5/05	Date: 8/5/05
	Field Supervisor:	AKRF/Steve Grens		

Depth (feet)	Well Construction	Surface Condition: Concrete
2		Flush-mounted well cover, locking cap and concrete seal 0 to 1' below grade
4		Bentonite Slurry Grout 1' to 2' Bentonite Seal 2' to 4'
6		PVC well riser from 1' to 6'
8		
10		
12		20-Slot PVC well screen 6' to 16'
14		Sand pack filter 4' to 18'
16		
18		PVC Sump from 16' to 18'
20		
22		
24		
26		
28		
30		
32		

Notes: Stabilized groundwater level measurement of 14.3 feet below grade taken prior to sampling on 3/16/05.

AKRF, Inc.

Environmental Consultants

440 Park Avenue South
New York, NY 10016

470-490 Kent Avenue, Brooklyn, NY

AKRF Project Number : 10441

Well No. SB/MW-12

Sheet 1 **of** 1

Drilling Method:	Direct Push Probe/Hollow Stem Auger	**Drilling**	
Sampling Method:	See boring SB/MW-12	**Start**	**Finish**
Driller :	ADT	**Time:** 17:10	**Time:** 17:45
Weather:	80F Clear	**Date:** 8/5/05	**Date:** 8/5/05
Field Supervisor:	AKRF/Steve Grens		

Depth (feet)	Well Construction	
		Surface Condition: Concrete
2		**Flush-mounted well cover, locking cap and concrete seal 0 to 1' below grade**
4		**Bentonite Slurry Grout 1' to 2'** **Bentonite Seal 2' to 4'**
6		**PVC well riser from 1' to 6'**
8		
10		
12		**20-Slot PVC well screen 6' to 16'**
14		**Sand pack filter 4' to 18'**
16		
18		**PVC Sump from 16' to 18'**
20		
22		
24		
26		
28		
30		
32		

Notes: **Stabilized groundwater level measurement of 14.3 feet below grade taken prior to sampling on 3/16/05.**