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April 6, 2005

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Re: Supplemental Remedial Investigation Report
Queens West Parcel 9
Hunters Point, Queens, NY

Dear Mr. Walsh and Mr. Brevdo:

We are submitting, attached, the Supplemental Remedial Investigation Report for the Queens West Parcel 9 site. The investigation was performed in accordance with the December 2004 Work Plan and supplemented by the letters to DEC dated January 14, 2005 and February 4, 2005.

The Supplemental Remedial Investigation was intended to assess potential contamination from the Blau Gas manufacturing facility, which was located on the western portion of Parcel 9 of the Queens West Development area around 1915. The investigation was designed to provide the data required for development of a Supplemental Remedial Work Plan. The Blau Gas process involved "cracking" petroleum to increase the concentrations of the lighter fractions, which were then distilled off, purified, and compressed into cylinders. The waste from this type of process would be a petroleum-product distinguishable from MGP wastes derived from coal. The Blau Gas plant on the site was a small facility that occupied only about a one-half acre portion of the site, and is not comparable to a typical MGP facility, either in the type of process or the scale of operations.

The results of the investigation indicate the presence of two separate issues on the site:

- Petroleum contamination, including the presence of free product (LNAPL) centered in the north-central section of the site, where a concrete vault containing three 10,000-gallon underground storage tanks was found; and

- Creosote contamination, including the presence of DNAPL, in the southwestern corner of the site, and likely continuing along the western boundary of the site in Center Boulevard.

The forensic analysis performed by META Environmental on the two free products (Appendix F of this report) confirms that these are entirely different and unrelated materials.

The petroleum contamination found on the north-central portion of the site is centered in the area around the underground storage tank vault. However, since neither the tanks nor the vault showed any evidence of a release, it is possible that they are unrelated to the surrounding soil and groundwater contamination. The construction of the tanks and their support structures date them from a period later than that of the Blau Gas plant. The contamination may have come from piping connected to the tanks, which was removed when the tanks were abandoned, or may have been present before the vault was installed.

The contamination found in the southwestern corner of the site and along the western boundary has been identified as creosote. Creosote is a product which is manufactured from coal tar by distillation. It is distinguishable from coal tar by its lower viscosity and its higher concentrations of phenolic compounds, particularly methyl and dimethyl phenols. Creosote is not associated with the Blau Gas manufacturing process, which did not utilize coal. It may have been used in the rail yards to the south, as a preservative for railroad ties, or in one of the off-site manufacturing operations in the area. None of the known historic uses on Parcel 9 is associated with the use of creosote.

A layer of creosote about six feet thick has collected in a deep well in the southwestern corner of the site. Unlike a thick, viscous coal tar, this material flowed relatively freely. After the DNAPL was removed from the well, the DNAPL thickness recovered to a thickness of 3.6 feet in one day and 5.7 feet in two days. The creosote would tend to flow towards low spots where there is a dip in the lower confining layer (clay, till or bedrock), such as the one on the southeast corner of Parcel 9. Since no creosote was detected in on-site soil other than along the western side of the site, it is apparent that the creosote did not originate from the central or eastern portions of the site and migrate across the site to its present location. This contamination, therefore, originated from an off-site source. The soil contamination at boring S-1, and the dissolved groundwater contamination at A-9 and A-10, all located along the western edge of the site, suggest that the creosote contamination may exist along Center Boulevard, to the west of the site. None of the other borings on the site showed evidence of the presence of creosote.

At our meeting scheduled for April 14, we anticipate discussing the results of the investigation and the remediation. We are intending to propose a three-part remediation program:

- Excavation of petroleum-contaminated soil in the north-central portion of the site above and at the groundwater surface.
- Removal of contamination below the groundwater surface by some combination of chemical oxidation and enhanced bioremediation.
- Removal of DNAPL from the southwestern corner of the site through recovery wells installed along the 48th Avenue and Center Boulevard boundaries of the site.

The second and third parts of the remedial program would be performed during the initial stages of construction.

Please call Andy Rudko at 646-388-9526 or Michelle Lapin at 646-388-9520 or e-mail at andy_rudko@akrf.com or michelle_lapin@akrf.com if you have questions or comments.

Sincerely,
AKRF, Inc.

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April 6, 2005

Queens West Development

QUEENS, NEW YORK

Supplemental Remedial Investigation Report

AKRF Project Number: 10516

Prepared for:

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Prepared by:

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APRIL 2005

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1.0 INTRODUCTION

The Queens West Development is a project of the Queens West Development Corporation (QWDC), a subsidiary of New York State's Empire State Development Corp., under the collective sponsorship of The Port Authority of New York and New Jersey, The New York City Economic Development Corporation, and Empire State Development Corporation. The overall Queens West Development site comprises 74 acres along the East River in Hunters Point, Queens, extending from Anable Basin to the north to Newtown Creek to the south (Figure 1). Stage I of the development involves construction of residential buildings on the portion of the site between 47th Road and 50th Avenue. The development sites in this area have been designated Parcels 8, 9, 10, and 11 (Figure 2).

In August 1998, a Voluntary Cleanup Agreement was entered into between New York State Department of Environmental Conservation (DEC) and QWDC. This agreement covered Parcels 8, 9, and 11 and the portion of Center Boulevard between Parcels 8 and 9. In July 2000, the Voluntary Cleanup Agreement was amended to allow it to be separated into separate agreements for each parcel, which would be executed by the designated developer for the parcel. Accordingly, after AvalonBay Communities was selected as the developer of Parcels 8, 9, and 11, AvalonBay executed separate agreements for each of the three parcels in September 2000. In March 2004, AvalonBay requested that DEC transition Parcels 8 and 9 into the Brownfields Cleanup Program.

Since it had not been possible to test in the area of the occupied buildings on the parcel at the time the Work Plan was approved, the Work Plan included a provision that a subsurface investigation would be performed to characterize the soil under the three warehouse buildings where sampling had not been performed. In 2000, when it was possible to gain access to the interiors of the buildings on Parcel 9, the supplemental sampling specified in the remediation plan was performed, following a sampling protocol approved by DEC. The Supplemental Site Assessment Report concluded that "no changes are warranted in the approved Remedial Work Plan for Parcel 9." DEC, in a letter dated April 17, 2003 (Appendix J), stated that "The Remedial Investigation performed at the referenced site to date substantially addresses the requirements of the Voluntary Cleanup Agreement." This letter is included in Appendix J.

The current Supplemental Remedial Investigation was intended to assess potential contamination from the Blau Gas manufacturing facility, which was located on the western portion of Parcel 9 of the Queens West Development area around 1915. The investigation was designed to provide the data required for development of a Supplemental Remedial Work Plan.

2.0 SITE DESCRIPTION

2.1 Site Location

Parcel 9 is located in the Hunters Point section of Queens, New York. The parcel is bounded by 5th Street on the east, 48th Avenue on the south, Center Boulevard on the west, and 47th Road on the north. It has a total area of about 1.79 acres, and includes Lots 5 and 19 of Tax Block 19 of Queens County.

2.2 Site and Vicinity Characteristics

Parcel 9 is vacant; all former structures were demolished in 2001. The entire parcel is surrounded by a chain-link fence. According to a survey performed by Montrose Surveying Company in 2003, Parcel 9 is generally at an elevation of 8 to 10 feet, with a mound in the middle of the parcel rising to an elevation of 15 feet. (All elevations given are relative to Queens Borough Datum.)

Parcel 10, located across 48th Avenue south of the site, is occupied by a high-rise residential building which also includes a public elementary school, P.S. 78. Parcel 8, located across Center Boulevard west of the site, is vacant. The area between Parcel 8 and the East River is part of the Queens West waterfront park. The East River is located roughly 500 feet west of the site.

The area north of the site, across 47th Road, is currently undergoing remediation and is slated for future residential development. The area east of the site, across 5th Street, is not part of the Queens West Development. This area is occupied by a mix of light industrial, commercial, and residential uses.

2.3 Site Geology, Hydrogeology and Subsurface Characteristics

Mueser Rutledge Consulting Engineers performed a geotechnical study on the site, the results of which are reported in a Geotechnical Report dated May 25, 2004. The study included 37 soil borings to bedrock and the installation of two piezometers to monitor groundwater levels. The Mueser Rutledge report indicates that the top 10 to 12 feet of soil on the parcel is miscellaneous fill. This is underlain in most borings by a layer of alluvial sand up to 17 feet thick. About two-thirds of the borings encountered a stratum of soft gray organic silty clay, representing old marsh deposits. The organic deposits were generally less than 10 feet thick, and were found directly below the fill at some locations, and interlayered with the sand stratum at others. Below the sand and organic deposits is a layer of glacial till up to 30 feet thick. This consists of compact fine to coarse sand with some gravel, silt, clay, clay pockets, and boulders. The surface of the till is at an elevation of -10 to -12 feet over most of the parcel, but dips sharply to a depth of -30 feet in the southwest corner of the parcel. Figure 3 shows the surface elevation of the till layer. Bedrock was encountered at elevation -20 to -30 over most of the parcel, but similarly dips in the southwest corner, to a minimum elevation of -55 feet. Figure 4 shows the bedrock surface elevation. Figure 5 shows two east-west geological cross sections of the site: Section A-A is on the southern end of the site, and Section B-B is along the northern end of the site.

Mueser Rutledge reported the presence of oil in a number of the borings. In the southwestern portion of Parcel 9, they noted many samples as "soil saturated with oil". Where oil was reported, the oily soil extended from the bottom of the fill layer (around the groundwater surface), through the organic deposits (where present) and into the sand layer. At some locations, oil extended as deep as the top of the till layer.

Groundwater studies performed by TRC Engineers in publicly accessible off-site areas north and west of Parcel 9 show local groundwater flowing towards a depression in 47th Road, about 150 feet west of 5th Street. The groundwater surface elevation at that location is about -2.4 feet. The groundwater surface elevation rises to about -0.5 feet near the corner of 47th Road and Center Boulevard, and to -1.0 feet on 48th Avenue. The groundwater depression in 47th Road was also noted in the studies performed by AKRF in 1989. Groundwater studies performed elsewhere in the Queens West area have shown groundwater flow to the west, towards the East River, with some tidal influence at locations close to the river. The groundwater elevations observed in this study also indicate a general flow direction towards the west or southwest (see Section 7.0).

2.4 Nearby Public Areas of Concern

There is a high-rise residential building and a public elementary school south of the site, across 48th Avenue. Peninsular Park, a portion of the Queens West waterfront park, is located immediately west of Parcel 8, about 200 feet from the site. The area east of the site contains a mix of light industrial, commercial, and residential uses.

2.5 Site History

The history of the site and the surrounding area is summarized in the Hunters Point Development Final Environmental Impact Statement (June 1990). Hunters Point area was originally a rocky outcrop surrounded by low-lying marshlands and tidal meadows. Filling of the wetlands and development of the area began in the mid-19th century. Starting around 1890, the area became a major industrial center. Historic Sanborn Insurance Maps show the following uses on and adjacent to the site:

Historical On-Site and Area Uses

Year	On-site Uses	Adjacent Areas
1898	Lawson-Valentine Boiler Works	West - Warren Chemical Co. North – vacant, small commercial bldgs East – manufacturing, commercial, residential South – Barber Asphalt
1915	Edward Smith Varnish Works Blau Gas Company of America Barber Asphalt	West – vacant North – National Varnish Co. East – manufacturing, commercial, residential South – railyards
1936	Edward Smith Varnish Works Harlem Chemical Co. Stanley Barrel Corp. Crest Mfg – Plumbers Supplies Kelly Dry Ginger Ale Corp.	West – Liquid Carbonic Corp. North – Quimby Corp East – manufacturing, commercial, residential South – railyards
1950	Paint and Varnish Works Harlem Chemical Co. Refrigeration Equip. Mfr. Crest Mfg – Plumbers Supplies Auto Repair.	West – Liquid Carbonic Corp. North – Buchman Spark Wheel Mfr., Mfr. of Detergents and Insecticides East – manufacturing, commercial, residential South – railyards
1970	Hub Paint Works Adam Metal Supply	West – Metal Storage Warehouse North – Buchman Spark Wheel, Mfr., Mfr. of Detergents and Insecticides East – manufacturing, commercial, residential South – railyards
1979	Vacant Charles Offset Co.	West – Hallen Contractors North – Buchman Spark Wheel Mfr., Mfr. of Detergents and Insecticides East – manufacturing, commercial, residential South – railyards
1988	Vacant Charles Offset Co.	West – Hallen Contractors North – Buchman Spark Wheel Mfr., Mfr. of Detergents and Insecticides East – manufacturing, commercial, residential South – railyards
1996	Vacant Charles Offset Co.	West – Hallen Contractors North – Buchman Spark Wheel Mfr., Mfr. of Detergents and Insecticides East – manufacturing, commercial, residential South – vacant

In summary, the eastern end of the site was occupied by varnish or paint manufacturers from sometime prior to 1915 until the 1970's. It has been mostly vacant since that time. The western portion of the site has been occupied by a variety of manufacturing uses. The Blau Gas Company

of America occupied a portion of the site in 1915, but was gone by 1936. The Blau Gas process involved "cracking" petroleum to increase the concentrations of the lighter fractions, which were then distilled off, purified, and compressed into cylinders. The waste from this type of process would be a petroleum-product distinguishable from MGP wastes derived from coal. The Blau Gas plant on the site was a small facility which occupied only about a one-half acre portion of the site, and is not comparable to a typical MGP facility either in the type of process or the scale of operations. Other historic uses on the western portion of the site include an asphalt company, the Harlem Chemical Company, which apparently manufactured insecticides, a plumbing supply manufacturer, a refrigeration equipment manufacturer, a barrel manufacturer, and an auto repair shop.

2.6 Offsite History

Most of the area to the south of the site was occupied by rail yards since the early development of Hunters Point in the 19th century. The area directly south of the site (on the south side of what is now 48th Avenue) was occupied by an asphalt paving company in 1898, but the rail yards were expanded to occupy this area by 1915.

The area west of the site was occupied by the Warren Chemical Company, a manufacturer of roofing and paving materials in 1898. By 1915, the former Warren Chemical site was vacant. From 1936 through 1950, this area was occupied by the Liquid Carbonic Company, which produced carbon dioxide gas for soda fountains. A construction company used this site from the 1970s until the buildings were demolished in the 1990s.

The adjacent area to the north (across what is now 47th Road) has been used historically for a variety of manufacturing operations. The New York Mastics Company was in this area in 1898. From 1915 through 1936, the area was occupied by a varnish company. Later uses included Eagle Paint and Varnish Works, the Tempo Chemical Company, a manufacturer of industrial sanitary and chemical products, and the Buchmann Sparkwheel Corporation, a manufacturer of machine products.

2.7 Previous Studies

There have been several prior sampling programs on the site.

2.7.1 1985 Sampling Program

Roy F. Weston Inc. performed the initial testing of the area containing the project site in 1985-86 on behalf of the Port Authority. The results were reported in a memo in which no information on sampling depth or quality assurance/quality control (QA/QC) was presented. Sample S-018A was collected on the sidewalk on 47th Road, near the northeast corner of the block containing the project site. This sample was reported to have a level of leachable mercury (0.56 parts per million) above the EP Toxicity Standard of 0.2 ppm.

2.7.2 1989 Sampling Program

Soil and groundwater testing was performed on the entire Queens West area by AKRF in 1989. The results are reported in the Final Environmental Impact Statement, Hunters Point Waterfront Development, dated June 1990. This testing program on Parcel 9 consisted of collecting soil samples at various depths from seven locations and installing two groundwater monitoring wells (B/MW-50, B/MW 51 and B-52 through B-55). Soil samples were analyzed for Target Compound List volatile organic compounds, Target

Compound List semivolatile organic compounds, polychlorinated biphenyls (PCBs), Target Analyte List Metals, and EP Toxicity metals. Unfiltered groundwater samples were analyzed for Target Compound List volatile organic compounds, Target Compound List semivolatile organic compounds, PCBs, and Target Analyte List metals. Filtered groundwater samples were also analyzed for Target Analyte List metals.

Results of the testing in 1989 found no soil samples exceeding the EP-Toxicity Standard for mercury, and suggested that the mercury level found in Roy F. Weston's earlier sample S-018A was likely anomalous. Elevated levels of benzene, toluene, ethylbenzene, and xylene (BTEX), and naphthalene were detected in groundwater sampled from monitoring well B/MW-50, near the southwest corner of Parcel 9.

2.7.3 1998 Sampling Program

Testing performed by AKRF in 1998 is reported in Site Assessment Report, Queens West Development Site, Parcels 8 and 9, Queens, New York, dated June 1998. This additional testing was requested by DEC, which reviewed and approved the work plan. Testing was performed on the open areas of the site and in the westernmost warehouse building (4-65 48th Avenue), but the other buildings were still occupied and couldn't be accessed. The primary objectives of the 1998 study were to confirm the absence of hazardous levels of mercury on the project site, determine the nature and extent of any solvent contamination, delineate the extent of petroleum and PAH contamination, and establish current groundwater conditions on the project site. Borings/monitoring wells B/MW-6A and B/MW-7A, and borings B-2A, B-3A, B-4A, and B-5A were located on Parcel 9. Boring/monitoring well B/MW-50 and boring B-1A were located on the sidewalk adjacent to Parcel 9. Boring/monitoring well B/MW-8A was near the boundary between Parcel 9 and Center Boulevard.

Three of the groundwater samples contained elevated levels of BTEX and naphthalene. Because underground storage tanks were expected to be present in the inaccessible buildings, a petroleum spill was reported (97-12929).

2.7.4 2000 Sampling Program

In 2000, when it was possible to gain access to the interiors of the buildings on Parcel 9, the supplemental sampling specified in the remediation plan was performed following a sampling protocol approved by DEC. The only groundwater testing in this study was a resampling of one well to confirm levels of metals. Although this work was performed in 2000, the report (Supplemental Site Assessment Report, Queens West Development Site, Parcel 9, Building Interiors, Queens, New York) was not completed until September 2001 because floating product was discovered in a well when groundwater elevations were being measured. This was characterized as hydraulic oil and was believed to have been dumped in the well. A second spill was reported (99-13932) due to this discovery. When the buildings on Parcel 9 were demolished in September-October 2000, two steel vaults set in concrete full of oily water, sludge and debris were discovered. A third spill (00-0618) was reported and the steel vaults and the concrete surrounding them were removed. The Supplemental Site Assessment Report concluded that "no changes are warranted in the approved Remedial Work Plan for Parcel 9."

2.8 Description of Contemplated Site Use

The proposed development on the site is a high-rise residential building, which would be located on the western half of the site. A multi-level parking garage would occupy the eastern half of the site. Neither structure would have a basement or any subgrade levels.

3.0 FIELD ACTIVITIES

Field work was performed in accordance with the December 2004 Work Plan as supplemented by the letters to DEC dated January 14, 2005 and February 4, 2005, with the few modifications described below. Sampling locations are shown on Figure 6.

3.1 Soil Sampling

Initial soil sampling was performed between January 24 and January 31, 2005. All soil borings were performed at the planned locations except for S-8, which was located on the steep edge of the mound of soil at the center of the site. S-8 was relocated about 25 feet to the west. All soil borings penetrated into the till layer except for S-14, where the shoe from the sampling probe was lost within the boring. The following table shows the depth of the surface of the till layer at each of the soil boring locations (based on the latest AKRF borings and the Mueser Rutledge geotechnical report).

Depth to Till

AKRF Boring Number	Approx. Surface Elevation (ft, QBD)	Approx. Elevation of top of till (ft, QBD)	Approx. Depth to top of till (ft)	Depth of boring (ft)
S-1	9	-17	26	28
S-2	8	-28	36	40
S-3	9	-12	21	30
S-4	8	-12	20	28
S-5	8	-12	20	25
S-6	8	-13	21	25
S-7	8	-19	27	30
S-8	9	-12	21	24.5
S-9	11	-12	23	28
S-10	8	-14	22	28
S-11	13	-12	25	30
S-12	9	-13	22	23
S-13	9	-12	21	27
S-14	8	-20	28	20
S-15	14	-14	28	30
S-16	13	-12	25	30
S-17	11	-12	23	28
S-18	10	-12	22	25

AKRF Boring Number	Approx. Surface Elevation (ft, QBD)	Approx. Elevation of top of till (ft, QBD)	Approx. Depth to top of till (ft)	Depth of boring (ft)
S-19	9	-12	21	24
S-20	10	-10	20	18
S-21	9	-12	21	25

Notes: QBD = Queens Borough Datum
Mueser Rutledge Consulting Engineers; Geotechnical Report for Queens West – Site 9, Long Island City, New York; May 25, 2004.

3.2 Test Pits

Test pits were excavated on February 3, 2005. All test pits were excavated at the planned locations except TP-2, which was located on the steep edge of the mound of soil at the center of the site. To compensate for the lack of access to this location, TP-8 was expanded to the north and completed to within 10 feet of the proposed TP-2 location and represents both TP-8 and TP-2 locations. TP-1 could not be completed to the planned depth because a concrete slab that could not be broken by the excavator was located at about 0.5 feet below grade throughout this area.

3.3 Well Installation and Groundwater Sampling

Wells were installed between February 14 and February 17, 2005. The monitoring well plan submitted to DEC on February 4, 2005 modified the original Work Plan based on the results of the soil borings. Well A-6 was relocated from the western end of the site, where little evidence of contamination was noted, to a location near boring S-8 and test pit TP-8/TP-2. Staining, petroleum odors, and elevated organic vapor headspace readings were noted in soil at boring S-8, particularly in the "smear zone" around the groundwater interface and underground storage tanks that were discovered at test pit TP-8/TP-2. All other wells, with the exception of A-12, were installed at the locations originally proposed. The proposed A-12 location was in a narrow space between the steep edge of the mound of soil at the center of the site and the fence at the northern side of the site, and could not be accessed by a truck-mounted drill rig. An additional well (A-13) was installed on the top of the mound, about 25 feet east of boring location S-11 to compensate for the lack of access at the proposed location A-12.

All wells consisted of two-inch diameter PVC. At each of the twelve locations, a well was installed and screened across the groundwater interface (approximately four feet above and six feet below), as described in the Work Plan, to detect potential LNAPL and dissolved contaminants. In addition, four of the well locations were cluster wells, with a second well installed with a screen just above an apparent confining layer, where field screening indicated that DNAPL could potentially be present. The deeper wells were installed at the following locations:

Monitoring Well Details

Well Location	Screen Depth below grade	Remarks
A-1	27-32 feet	Boring S-2 showed staining, odors, elevated PID readings above clay layer at 32 feet below grade
A-2	17-22 feet	Boring S-5 showed staining, odors, elevated PID readings above till layer at 22 feet below grade
A-4	19-24 feet	Boring S-10 showed staining, odors, elevated PID readings above till layer at 24 feet below grade
A-10	22-27 feet	Boring S-1 showed staining, odors, elevated PID readings above till layer at 27 feet below grade

The original work plan proposed installing a third well, down to bedrock, at A-1. The February 4 monitoring well plan modified this based on the observation in boring S-2 that suspected DNAPL was present above a clay layer at 32 feet below grade, and that there was no evidence that DNAPL had penetrated into the clay. A decision was made not to punch through the clay and possibly spread the DNAPL to a lower aquifer. As described in Section 6.0, a thick layer of DNAPL was found to be present at this level.

Groundwater sampling was performed on March 1 through March 4. All wells were sampled using low-flow methodology as described in the Work Plan. Well locations are shown on Figure 6 and the well construction logs are included in Appendix C.

3.4 Delineation Soil Sampling

Additional soil borings were performed on February 21 and February 22, 2005 to delineate contamination detected in the initial soil sampling. The delineation boring locations, shown on Figure 6, are S-15 through S-21.

4.0 FIELD OBSERVATIONS

4.1 Soil Borings

Complete boring logs are in Appendix A. Stained soils, petroleum-like odors, and/or elevated organic vapor headspace readings were recorded in soil sampling locations in the northwestern portion of the site: S-1, S-4, S-5, S-8, S-9, S-11, S-18, S-19, S-20, S-21. In all cases, there was no evidence of contamination in the top seven feet of soil. Contamination extended from close to the groundwater surface downward, in some cases extending downward to the top of the till layer or the top of the clay layer, which overlays the till in some areas. In addition, evidence of contamination was observed at boring location S-2, near the southwestern corner of the site (although not at the adjacent locations, S-7 and S-14). At S-2, there was some evidence of contamination at about 13 feet below grade, but the highest headspace readings were just above the clay layer at about 32 feet below grade.

4.2 Test Pits

Complete test pit descriptions are in Appendix B. Test Pits TP-1 and TP-6 were excavated in the area where fuel oil retorts were indicated on the Sanborn map of the former Blau Gas facility. Concrete slabs were encountered at both locations, a thick slab was located just below grade

(which could not be broken at TP-1) and another slab was located about five feet below grade. Test Pits TP-3, TP-4, and TP-5 were excavated at the former gasholder location. Considerable amounts of brick and concrete debris were present at these locations, but no indication of an intact gasholder structure. Test Pit TP-7 was excavated in the former bottling house area. Debris and a possible concrete footing were observed. Test Pit TP-8 was located at another former fuel oil retorts location. This area is under the mound of soil on the site, so the grade is about five feet higher than the grade at the other test pit locations. The tops of two steel tanks were uncovered at this location at a depth of about seven feet below grade (corresponding to about two feet below the general grade of the site). The two tanks were oriented in a north-south direction, and one had a two-inch diameter hole, possibly a former pipe connection, near its southern edge. The tanks were both about five feet in diameter and the test pit uncovered approximately a fifteen-foot length of tank northward. The pit could not be extended further because the excavator had reached the edge of the soil mound. A probe inserted through the access hole measured about 6 inches of sediment and water at the bottom of the tank with no odor or evidence of free product.

4.3 Well Installation and Groundwater Sampling

Free product was detected in two monitoring wells. In the initial sampling on March 3, 2005, about 4.5 feet of product (DNAPL) was measured at the bottom of the deep well at location A-1, in the southwest corner of the site. Later measurements showed the DNAPL layer to be 6.1 feet thick. This well is screened from 28 to 33 feet below grade, just above the clay layer, which was the lower limit of observed petroleum contamination in boring S-2. About 0.38 feet of floating product (LNAPL) was measured in well A-6, which is just west of the location of the underground tanks found in test pit TP-8. Samples of both products were collected and submitted to Meta Environmental, Inc. in Watertown, Massachusetts for forensic hydrocarbon fingerprint analysis by modified method 8100. (See section 6.0 for a discussion of both the DNAPL and LNAPL.) No groundwater samples were collected from the two wells in which free product was found (A-1 deep and A-6). Well construction logs are in Appendix C and well sampling logs are in Appendix D.

5.0 UNDERGROUND STORAGE TANKS

As previously noted, portions of two underground storage tanks were uncovered at Test Pit TP-8. Because the tanks were located under the western edge of the mound of soil on the site, the test pit could not be extended far enough to fully uncover the tanks. On March 23 and 24, 2005, the soil in the mound overlying the tank location was moved to clear the area and allow the tanks to be fully uncovered. A third tank was located just to the east of the first two. All three tanks were bare steel, five feet in diameter and fifty feet long, giving them a volume of about 10,000 gallons each. A concrete wall enclosed the tank area on all four sides.

The tanks were cut open and all were found to contain a few inches of water with some sludge at the bottom. A vacuum truck was used to clean out the liquid contents for off-site disposal and the tanks were removed from the ground, inspected, cleaned, and disposed of off-site. Photographs of the tank removal are in Appendix E. The tanks were all intact with no observable leaks. All piping had been removed before the tanks were abandoned. The tanks had been surrounded by clean sand with some cinderblock support structures underneath. There was a solid concrete slab underlying the tanks, forming a vault. No evidence of contamination was noted within the vault. Water from the vault was pumped out into a vacuum truck and the sand and cinderblocks were removed to permit inspection of the bottom of the vault. This material was disposed of off-site. The vault was found to be intact with no observable cracks.

The top of the tanks was about two feet below the general grade of the site, and the bottom of the vault was very close to the level of the groundwater surface.

The tanks were discovered at a location where the 1915 Sanborn Map shows the presence of "oil fuel retorts" which were part of the Blau Gas facility. However, it is unlikely that the tanks were associated with the Blau Gas plant. Both the tanks and their support structures appear to belong to a later period. The tanks are welded, not riveted, and the support structures are made of cinderblocks instead of brick or concrete. Furthermore, the footprint of the vault is much larger than the retorts shown on the Sanborn Map. None of the subsequent Sanborn maps reviewed (1936, 1950, 1970, 1979, 1988, 1996) show any indication of underground tanks in this area, nor of any use that would require very large tanks. It is possible that the tanks belonged to one of the paint and varnish manufacturing operations that occupied the area to the east from prior to 1915 until the 1970s.

6.0 NON-AQUEOUS PHASE LIQUIDS

Both dense non-aqueous phase liquid (DNAPL) and light non-aqueous phase liquid (LNAPL) were detected in the investigation. DNAPL was detected in the deep well at location A-1; LNAPL was detected in the well at location A-6.

6.1 Dense Non-aqueous Phase Liquid (DNAPL)

DNAPL was present at the bottom of the deep well at location A-1. This well was screened at a depth of 27 to 32 feet below grade, based on the observation in boring S-2 that staining, odors, and elevated organic vapor headspace readings were detected in boring S-2 in the soil just above the surface of a clay layer at about 32 feet below grade. No indications of contamination were present in the clay layer. Like all the deeper wells, this well was constructed with a one-foot deep sump at the bottom of the screen.

In the initial well sampling on March 3, 2005, a layer of DNAPL about 4.5 feet thick was measured in this well. Later measurements on March 11 showed the DNAPL layer to be about 6 feet thick, with the surface of the DNAPL about 27 feet below grade, corresponding to elevation -18. Figure 7 shows the estimated extent of DNAPL, based on the elevation of the DNAPL surface and the elevation of the surface of the till layer. This delineation is in accord with the observation that no DNAPL is present in the deep wells at A-2, A-4, and A-10, to the north and east of A-1.

A sample of the DNAPL was submitted to META Environmental in Watertown, Massachusetts for forensic analysis. META specializes in the identification of pollutants, particularly petroleum products and manufactured gas plant wastes. The META report is presented in Appendix F. META concluded that, based on the GC/FID fingerprint and the ratios of concentrations of selected PAHs, the DNAPL is coal tar or creosote.

To assess the potential for DNAPL removal, a test was performed on March 11, 2005 to determine the recovery time after DNAPL was removed from the well. The results are presented in Appendix G. The initial product thickness was 6.1 feet. DNAPL was pumped out of the well into a 55-gallon drum until the thickness was reduced to 0.6 feet. The well was then allowed to recover. The DNAPL thickness recovered to a thickness of 3.6 feet in one day and 5.7 feet in two days.

6.2 Light Non-Aqueous Phase Liquid (LNAPL)

A layer of floating free product (LNAPL) was detected in the monitoring well at location A-6. This well was installed near the location of soil boring S-8, where staining, petroleum odors, and elevated organic vapor headspace readings were noted, particularly in the "smear zone" around the groundwater interface . The well is just west of the underground tank vault. No free product was observed in any of the surrounding wells (A-11 to the north, A-3 and A-10 to the west, A-2 to the southwest, and A-13 to the southeast). It was not possible to delineate the LNAPL extent to the east because of the presence of the tank vault, which extends down to the groundwater surface and likely acts as a barrier to eastward migration.

A sample of the LNAPL was submitted to META Environmental in Watertown, Massachusetts for forensic analysis. The META report is presented in Appendix F. The forensic analysis indicated that the sample contained both petroleum products and pyrogenic substances. Pyrogenic substances are mixtures of compounds produced by heating organic matter in the absence of oxygen. The analysis indicated that the pyrogenic substances in the LNAPL are the product of a relatively low temperature process, are moderately weathered and are derived from a different source than the DNAPL. The petroleum products in the LNAPL appear to be a mixture of a heavier fraction resembling degraded fuel oil and a lighter fraction resembling some hydrocarbon solvents and specialty products, such as charcoal starter. However, the chemical pattern did not match any materials in META's library.

7.0 HYDROLOGY

Well elevations were surveyed and the depth to groundwater measured to determine the elevation of the groundwater surface. Wells A-6 and A-13 could not be surveyed because they had been covered during the tank removal activities. It should be noted that the depth to water measurements were taken following a series of heavy rains, so the groundwater surface may be unusually high, and the contours may not be typical of conditions in drier weather. The data is tabulated in Appendix D and groundwater surface elevation contours are shown in Figure 8. The groundwater gradient indicates a general flow from northeast to southwest, towards the East River. This differs from the results of the August 2004 hydrological study performed by TRC, which showed local groundwater flowing towards a depression in 47th Road, about 150 feet west of 5th Street. The groundwater depression in 47th Road was also noted in the studies performed by AKRF in 1989. The current groundwater measurements show the water table to be considerably higher than TRC reported, and show no indication of a groundwater depression to the north of Parcel 9. As noted above, this may be reflective of seasonal conditions following a period of heavy rains.

8.0 ANALYTICAL RESULTS —SOIL SAMPLES

All soil samples were analyzed by Chemtech Laboratories of Montainside, New Jersey, a New York State ELAP-certified laboratory. Laboratory analyses followed New York State ASP methodology. Complete analytical results are tabulated in Appendix H. Full ASP Category B deliverables (in pdf format) and a Data Usability Summary Report will be submitted under separate cover.

8.1 Volatile and Semivolatile Organic Compounds

Petroleum and creosote-related volatile and semivolatile organic compounds were present at elevated levels in the petroleum-contaminated soils found in the northwest quadrant and the area of creosote contamination at the southwest corner and along the western edge of the site. The most common compounds detected are benzene, toluene, ethylbenzene, and xylenes (BTEX) and naphthalene and 2-methylnaphthalene. Figure 9 shows the distribution of total BTEX concentrations in the soil samples, and Figure 10 shows the distribution of naphthalene plus 2-methylnaphthalene concentrations. The distribution of these compounds is reflective of the two separate types of contaminants found on the site. Soil samples from sampling locations around the tanks (S-8, S-9) contain high levels of BTEX with relatively low levels of naphthalene, while samples from locations further to the west (S-1, S-4) contain less BTEX and higher levels of naphthalene.

Only one non-petroleum-related volatile organic compound, 4-methyl-2-pentanone (methyl isobutyl ketone) was detected in one soil sample, S-19 (13 to 13.5 feet). 4-methyl-2-pentanone is widely used as a solvent.

8.2 Metals

Metals were detected generally at concentrations typical of soil background levels. Above-background concentrations of mercury were detected in two soil samples from location S-2.

8.3 PCBs and Pesticides

A trace level of one PCB was detected in the 9.5 to 10-foot sample from location S-3. No other PCBs were detected in any of the soil samples analyzed.

The pesticide BHC was detected at low levels in two soil samples, S-3 (9.5 to 10 feet) and S-9 (18 to 18.5 feet). No other pesticides were detected in any of the soil samples analyzed.

9.0 ANALYTICAL RESULTS — GROUNDWATER SAMPLES

All groundwater samples were analyzed by Chemtech Laboratories of Mountainside, New Jersey, a New York State ELAP-certified laboratory. Laboratory analyses followed New York State ASP methodology Complete analytical results are tabulated in Appendix I. Full ASP Category B deliverables (in pdf format) and a Data Usability Summary Report will be submitted under separate cover.

9.1 Volatile and Semivolatile Organic Compounds

Petroleum and creosote-related volatile and semivolatile organic compounds were present at elevated levels in groundwater samples from wells in the northwest quadrant and the area of creosote contamination at the southwest corner and along the western edge of the site. The most common compounds detected are benzene, toluene, ethylbenzene, and xylenes (BTEX) and naphthalene and 2-methylnaphthalene. Methyl and dimethyl phenols, typical of creosote, were detected in a number of samples, particularly from wells A-9 and A-10 along the western edge of the site adjacent to Center Boulevard. Figures 11 and 11A show the distribution of benzene concentrations in the shallow and deep groundwater samples, and Figures 12 and 12A show the distribution of naphthalene concentrations in the shallow and deep groundwater samples. In general, the higher levels of naphthalene are associated with the creosote contamination along the western edge of the site, and the higher levels of benzene are associated with the petroleum contamination in the north-central portion of the site. The extension of the petroleum contamination plume towards the northeast suggests that the groundwater flow previously reported in the August 2004 TRC report, towards a depression in 47th Road, may be the usual dry-weather condition.

9.2 Metals

Metals were generally either undetected or detected at concentrations well below the Class GA groundwater standards. The exception is the upgradient well, A-8, located in the northeastern corner of the site. The sample from this well contained elevated levels of antimony (1,220 µg/L) and zinc (2,440 µg/L).

9.3 PCBs and Pesticides

No PCBs or pesticides were detected in any of the groundwater samples analyzed.

10.0 DISCUSSION

The soil and groundwater testing program indicates the presence of two separate issues on the site:

- Petroleum contamination, including the presence of free product (LNAPL) centered in the north-central portion of the site where the underground storage tanks were found; and,
- Creosote contamination, including the presence of DNAPL, in the southwestern corner of the site, and likely continuing along the western boundary of the site in Center Boulevard.

The forensic analysis performed on the free products confirms that these are entirely different and unrelated materials.

The petroleum contamination found on the north-central portion of the site is centered in the area around the underground storage tank vault. However, since neither the tanks nor the vault showed any evidence of a release, it is possible that they are unrelated to the surrounding soil and groundwater contamination. Construction of the tanks and their support structures date them from a period later than that of the Blau Gas plant. The contamination may have come from piping connected to the tanks, which was removed when the tanks were abandoned, or may have been present before the vault was installed. The soil borings found little or no evidence of contamination above the groundwater surface. Most contamination was in the smear zone or below the groundwater surface. Figure 6 shows the area where contamination at or above the groundwater surface was detected, either in field screening or in sample analyses. The extension of the area of contamination to the northeast (soil borings SB-20 and SB-21) suggests that the groundwater flow towards 47th Road, which TRC found in its hydrological study, may occur at least some of the time, dependent on seasonal rainfall.

The contamination found in the southwestern corner of the site and along the western boundary has been identified as creosote. Creosote is a product which is manufactured from coal tar by distillation. It is distinguishable from coal tar by its lower viscosity and its higher concentrations of phenolic compounds, particularly methyl and dimethyl phenols. Creosote is used primarily as a wood preservative, but has also been used as an ingredient in disinfectants and other products. Creosote is not associated with the Blau Gas manufacturing process, which did not utilize coal. It may have been used in the rail yards to the south as a preservative for railroad ties, or may have been spilled from rail cars. Creosote may have been used by: the Warren Chemical Company, which manufactured roofing and paving materials in the area west of the site prior to 1915; by the Tempo Chemical Company, which manufactured industrial sanitary and maintenance products in the area north of the site from the 1940s until the 1990s; or by one of the many paint and varnish manufacturers that operated in the area.

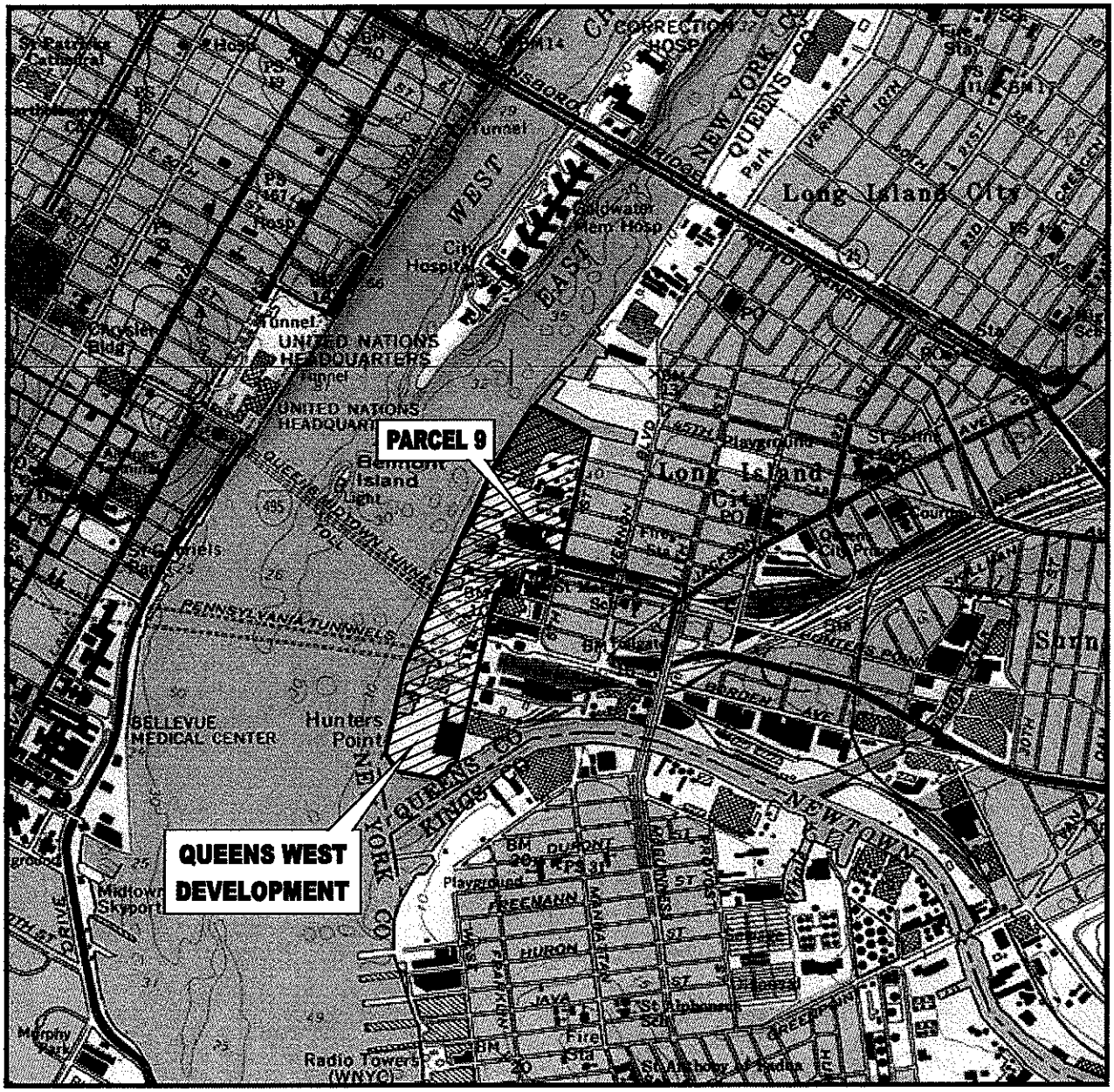
Unlike a thick, viscous coal tar, the creosote detected in monitoring well A-1 flowed relatively freely. After the DNAPL was removed from the well, the DNAPL thickness recovered to a thickness of 3.6 feet in one day and 5.7 feet in two days. The creosote would tend to flow towards low spots where there is a dip in the lower confining layer (till or bedrock), such as the one on the southwest corner of Parcel 9. The soil contamination at boring S-1, and the groundwater contamination at A-9 and A-10, located along the western edge of the site, suggest that the creosote contamination may be present along Center Boulevard, west of the site. None of the other soil borings on the site show any evidence that the creosote originated on the site. Soil testing on the Pepsi site, north of 47th Road, found similar materials in the soil immediately north of the terminus of Center Boulevard, although at shallower depths. It is possible that material has flowed down the gradient of the till along Center Boulevard to accumulate in the depression at the intersection of Center Boulevard and 48th Avenue.

The testing program did not detect any significant non-petroleum-related contamination except an elevated level of antimony in one groundwater sample from an upgradient well in the northeast corner of the parcel. No pesticides or PCBs were detected at levels exceeding DEC's Recommended Soil Cleanup Objectives and concentrations of metals were generally within background ranges.

11.0 REFERENCES

1. AKRF Inc.; *Site Assessment Report, Queens West Development Site, Parcels 8 and 9*, Queens, New York; June 1998.
2. AKRF, Inc.; *Supplemental Site Assessment Report, Queens West Development Site, Parcel 9, Building Interiors*, Queens, New York; September 2001.
3. EDR, Sanborn, Inc.; *Historical Fire Insurance Maps*; 1898, 1915, 1936, 1950, 1970, 1979, 1988, and 1996.
4. Hunters Point Waterfront Development; *Final Environmental Impact Statement*, June 1990.
5. Mueser Rutledge Consulting Engineers; *Geotechnical Report for Queens West – Site 9*, Long Island City, New York; May 25, 2004.
6. TRC Engineers, Inc.; *Results of Initial Groundwater Hydrology Characterization, Queens West Development Stage 2 Site,* August 23, 2004.
7. TRC Engineers, Inc.; *Amended Supplemental Investigation and Design Report No. 10 Queens West Development Stage 2 Site;* December, 2004.
8. TRC Engineers, Inc.; *Supplemental Investigation Report No. 11, Queens West Development Stage 2 Site;* December, 2004.

FIGURES





QUADRANGLE

SCALE IN FEET

0' 1000' 2000' 4000'

SCALE: 1"=2000'

N

SOURCE:

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

QUEENS WEST PARCEL 9

Queens, New York

PROJECT SITE LOCATION

AKRF

Environmental Consultants

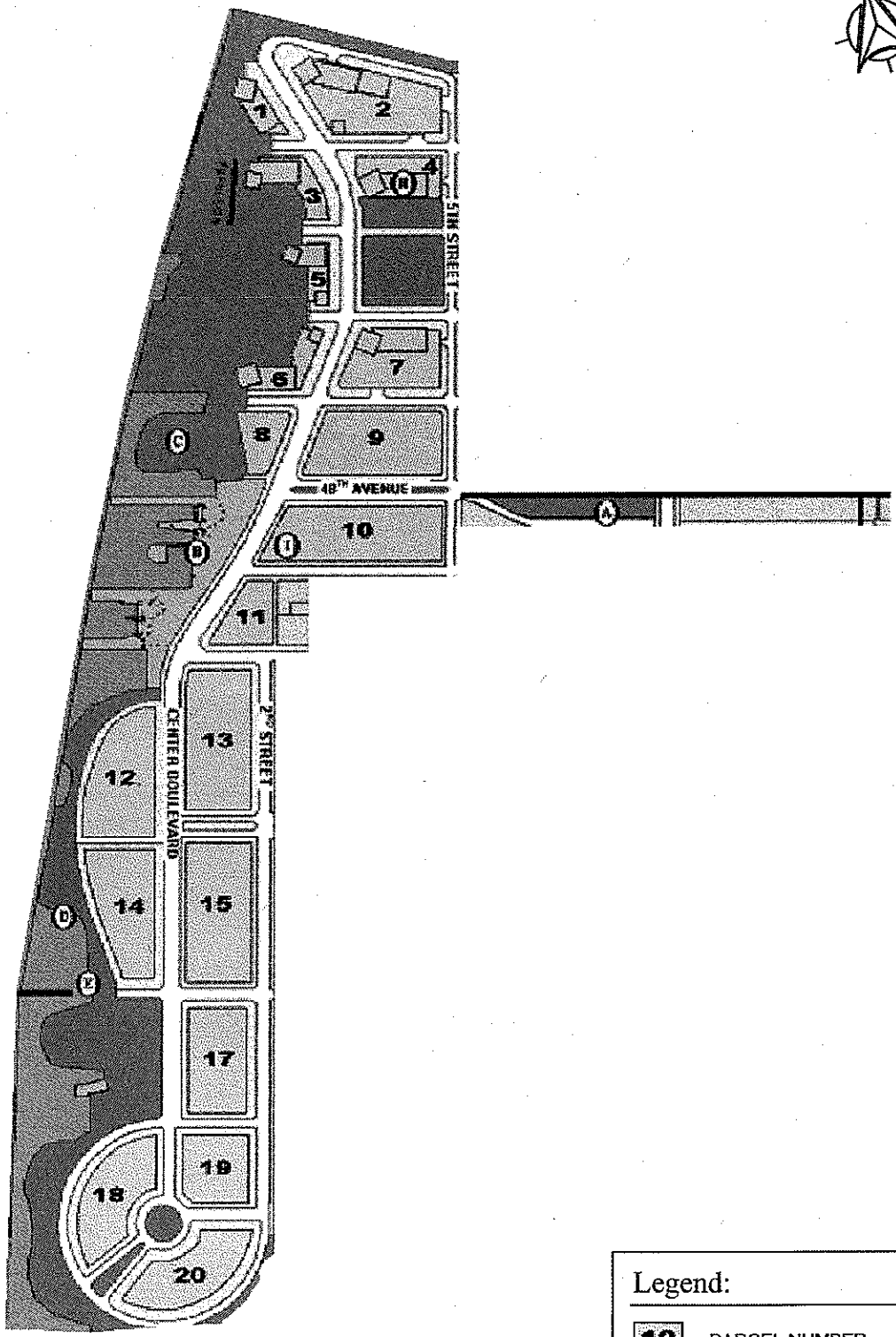
440 Park Avenue South, New York, NY 10016

DATE
04.04.05

PROJECT No.
10516

FIGURE No.
1

2004 AKRF, Inc. Environmental Consultants Q:\akrf-data\10516 Queens West Parcel 9\10516-0001_F1_site location plan.pub



Legend:

10 PARCEL NUMBER

QUEENS WEST PARCEL 9
Queens, New York

QUEENS WEST DEVELOPMENT PARCELS

AKRF
Environmental Consultants
440 Park Avenue South, New York, N.Y. 10016

DATE 04.06.05
PROJECT No. 10516
FIGURE No. 2

2004 AKRF, Inc. Environmental Consultants M:\AKRF PROJECT FILES\10516 Queens West Parcel 9\Figures\F2_Site Plan

47th ROAD

48th AVENUE

CENTER BLVD.

5th STREET

CONCRETE SIDEWALK

B-1 B-2P B-4 B-5 B-6 B-7 B-8 B-10 B-11 B-12 B-13 B-14 B-15 B-16 B-17 B-18 B-19 B-20 B-21 B-22 B-23 B-24 B-25 B-26 B-27 B-28 B-29 B-30 B-31 B-32 B-32A B-33 B-34 B-35 B-36 B-37

-10 -12 -14 -16 -18 -20 -22 -24 -26 -28

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Legend:

CHAIN-LINK FENCE

B-1 SOIL BORING

-12 ELEVATION OF TOP OF GLACIAL TILL (FT., QUEENS BOROUGH DATUM)

Note:

MAP BASED ON GEOTECHNICAL REPORT FOR QUEENS WEST SITE 9, MUESER RUTLEDGE CONSULTING ENGINEERS, DATED: MAY 25, 2004.

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QUEENS WEST PARCEL 9
Queens, New York

ELEVATION OF TOP OF GLACIAL TILL

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
3

© 2004 AKRF, Inc. Environmental Consultants M:\AKRF-PROJECT FILES\10516-0000\F1_ELEVATION OF TOP OF GLACIAL TILL

47th ROAD

CENTER BLVD.

5th STREET

48th AVENUE

CONCRETE SIDEWALK

B-23 B-24 B-37 B-22 B-21 B-18 B-35 B-36 B-17 B-20 B-19 B-16 B-15 B-14 B-13 B-34 B-12 B-32 B-32A B-11 B-10 B-33 B-30 B-29 B-5 B-8 B-31 B-7 B-6 B-28 B-27 B-26 B-4 B-2P B-31 B-25 B-1

-20 -30 -40 -50

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Legend:

- CHAIN-LINK FENCE
- B-1 SOIL BORING
- -20 ELEVATION OF TOP OF BEDROCK (FT., QUEENS BOROUGH DATUM)

Note:

MAP BASED ON GEOTECHNICAL REPORT FOR QUEENS WEST SITE 9, MUESER RUTLEDGE CONSULTING ENGINEERS, DATED: MAY 25, 2004.

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QUEENS WEST PARCEL 9
Queens, New York

ELEVATION OF TOP OF BEDROCK

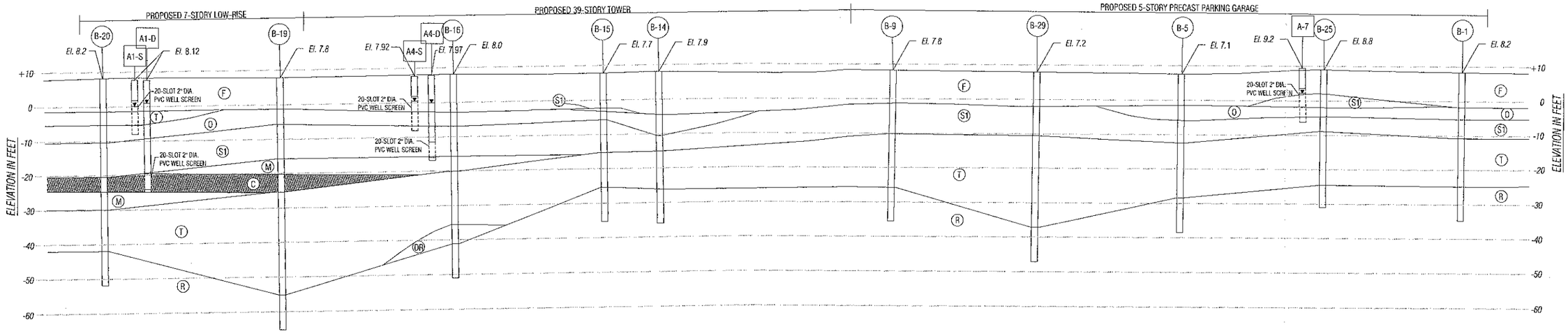
DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
4

© 2004 AKRF, Inc. Environmental Consultants M:\AKRF-PROJECT FILES\10516-0000\F2_Elev of top of bedrock



GEOLOGIC SECTION A-A

GENERAL STRATA DESCRIPTIONS:

- (F) - FILL - LOOSE TO COMPACT BROWN FINE TO COARSE SAND, WITH VARIOUS AMOUNTS OF SILT, GRAVEL, BRICK FRAGMENTS, CONCRETE FRAGMENTS, WOOD, VEGETATION, CINDERS, AND ASPHALT FRAGMENTS
- (S1) - SAND - LOOSE TO MEDIUM COMPACT GRAY OR BROWN SILTY FINE SAND GRADING TO FINE TO MEDIUM SAND WITH TRACE TO SOME SILT AND TRACES OF CLAY AND GRAVEL
- (O) - ORGANIC SILTY CLAY AND PEAT - SOFT GRAY ORGANIC SILTY CLAY, TRACE TO SOME MEADOW MAT, FINE SAND AND VEGETATION, AND BROWN MEADOW MAT (PEAT), TRACE TO SOME ORGANIC SILTY CLAY, CLAYEY SILT AND FINE SAND
- (M) - SILT - LOOSE TO MEDIUM COMPACT RED AND BROWN SILT, INTERLAYERED OR VARVED WITH CLAYEY SILT WITH TRACES OF CLAY SEAMS & FINE SAND
- (T) - GLACIAL TILL - MEDIUM COMPACT TO VERY COMPACT, BROWN GRAY FINE TO COARSE SAND, TRACE TO SOME GRAVEL, SILT, CLAY AND CLAY POCKETS
- (DR) - DECOMPOSED BEDROCK - VERY COMPACT FINE TO COARSE SAND OF VARIOUS COLORS WITH TRACE TO SOME GRAVEL, ROCK FRAGMENTS, SILT, CLAY, AND MICA
- (R) - BEDROCK - MEDIUM HARD TO HARD, UNWEATHERED TO SLIGHTLY WEATHERED, GRAY AND GREEN-GRAY GRANODIORITE GNEISS WITH PEGMATITE ZONES, QUARTZ VEINS AND GARNET, BLOCKY TO BROKEN, WITH OCCASIONAL WEATHERED JOINTS
- (C) - CREOSOTE - DENSE NON-AQUEOUS PHASE LIQUID

NOTE:

1. FOR BORING LOCATION PLAN, SECTION LOCATIONS AND GENERAL NOTES SEE FIGURE 6 OF THIS REPORT AND DRAWING NO. B-1(MUESER RUTLEDGE GEOTECHNICAL REPORT FOR QUEENS WEST - SITE 9, LONG ISLAND CITY, NEW YORK, MAY 25, 2004)
2. FOR INDIVIDUAL SOIL SAMPLE DESCRIPTION, SEE BORING LOGS IN APPENDIX A (MUESER RUTLEDGE GEOTECHNICAL REPORT FOR QUEENS WEST - SITE 9, LONG ISLAND CITY, NEW YORK, MAY 25, 2004)

LEGEND:

A1-D AKRF, INC. MONITORING WELL

AKRF
Environmental Consultants
440 Park Avenue South, New York, 10016

QUEENS WEST PARCEL 9
Queens, New York

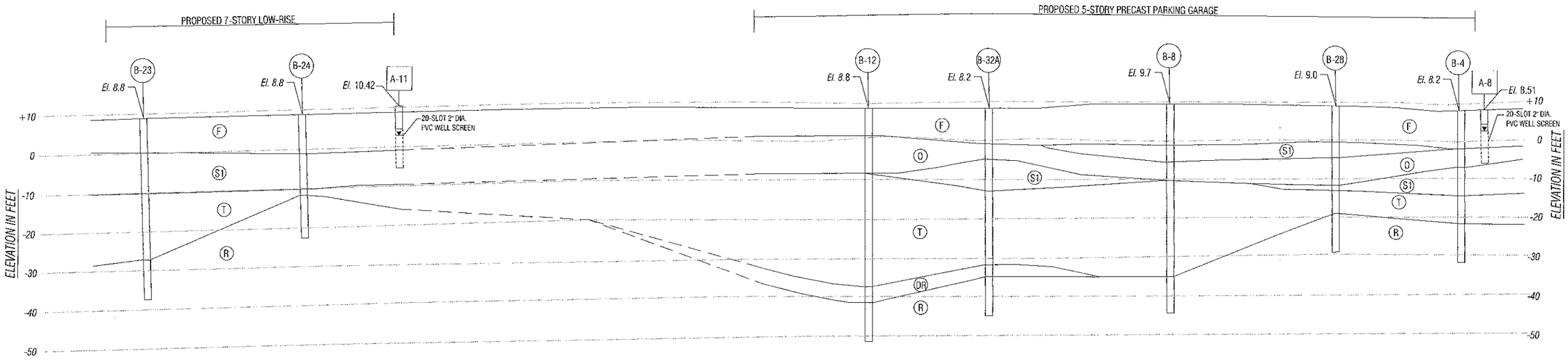
SOIL PROFILES

DATE
04.06.05

SCALE
N.T.S.

PROJECT No.
10516

FIGURE No.
5A



GEOLOGIC SECTION B-B

GENERAL STRATA DESCRIPTIONS:

- (F) - FILL - LOOSE TO COMPACT BROWN FINE TO COARSE SAND, WITH VARIOUS AMOUNTS OF SILT, GRAVEL, BRICK FRAGMENTS, CONCRETE FRAGMENTS, WOOD, VEGETATION, CINDERS, AND ASPHALT FRAGMENTS
- (S1) - SAND - LOOSE TO MEDIUM COMPACT GRAY OR BROWN SILTY FINE SAND GRADING TO FINE TO MEDIUM SAND WITH TRACE TO SOME SILT AND TRACES OF CLAY AND GRAVEL
- (O) - ORGANIC SILTY CLAY AND PEAT - SOFT GRAY ORGANIC SILTY CLAY, TRACE TO SOME MEADOW MAT, FINE SAND AND VEGETATION, AND BROWN MEADOW MAT (PEAT), TRACE TO SOME ORGANIC SILTY CLAY, CLAYEY SILT AND FINE SAND
- (M) - SILT - LOOSE TO MEDIUM COMPACT RED AND BROWN SILT, INTERLAYERED OR VARVED WITH CLAYEY SILT WITH TRACES OF CLAY SEAMS & FINE SAND
- (T) - GLACIAL TILL - MEDIUM COMPACT TO VERY COMPACT, BROWN GRAY FINE TO COARSE SAND, TRACE TO SOME GRAVEL, SILT, CLAY AND CLAY POCKETS
- (DR) - DECOMPOSED BEDROCK - VERY COMPACT FINE TO COARSE SAND OF VARIOUS COLORS WITH TRACE TO SOME GRAVEL, ROCK FRAGMENTS, SILT, CLAY, AND MICA
- (R) - BEDROCK - MEDIUM HARD TO HARD, UNWEATHERED TO SLIGHTLY WEATHERED, GRAY AND GREEN-GRAY GRANODIORITE GNEISS WITH PEGMATITE ZONES, QUARTZ VEINS AND GARNET, BLOCKY TO BROKEN, WITH OCCASIONAL WEATHERED JOINTS
- (C) - CREOSOTE - DENSE NON-AQUEOUS PHASE LIQUID

NOTE:

1. FOR BORING LOCATION PLAN, SECTION LOCATIONS AND GENERAL NOTES SEE FIGURE 6 OF THIS REPORT AND DRAWING NO. B-1(MUESER RUTLEDGE GEOTECHNICAL REPORT FOR QUEENS WEST - SITE 9, LONG ISLAND CITY, NEW YORK, MAY 25, 2004)
2. FOR INDIVIDUAL SOIL SAMPLE DESCRIPTION, SEE BORING LOGS IN APPENDIX A (MUESER RUTLEDGE GEOTECHNICAL REPORT FOR QUEENS WEST - SITE 9, LONG ISLAND CITY, NEW YORK, MAY 25, 2004)

LEGEND:

A1-D AKRF, INC. MONITORING WELL

AKRF
Environmental Consultants
440 Park Avenue South, New York, 10016

QUEENS WEST PARCEL 9
Queens, New York

SOIL PROFILES

DATE
04.06.05

SCALE
N.T.S.

PROJECT No.
10516

FIGURE No.
5B

47th ROAD

CENTER BLVD.

5th STREET

48th AVENUE

CONCRETE SIDEWALK

FUEL OIL RETORTS

GAS ENGINE FOR COMPRESSOR

COMPRESSOR ROOM

PURIFYING ROOM

OIL FUEL RETORTS

COMPRESSOR

PURIFIERS

BOTTLING HOUSE

GAS HOLDER WITH INTERNAL OIL TANK

LABORATORY OFFICES AND STOCK

A-1 A-2 A-3 A-4 A-5 A-6 A-7 A-8 A-9 A-10 A-11 A-13

S-1 S-2 S-3 S-4 S-5 S-6 S-7 S-8 S-9 S-10 S-11 S-12 S-13 S-14 S-15 S-16 S-17 S-18 S-19 S-20 S-21

TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7 TP-8

30 30

SCALE IN FEET

0' 25' 50' 100'

SCALE: 1"=50'

Note:

FORMER BLAU GAS PLANT STRUCTURES ARE AS DEPICTED ON 1915 SANBORN MAP. SOME LABELS ON MAP ARE ILLEGIBLE.

Legend:

- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- AREA OF PETROLEUM CONTAMINATION AT OR ABOVE THE GROUNDWATER SURFACE
- A-5 MONITORING WELL
- GEOTECHNICAL SOIL BORING
- A-2 CLUSTER WELL
- SOIL PROBE LOCATION
- TEST PIT
- A' GEOLOGICAL CROSS SECTION SEE FIGURE 5
- APPROXIMATE LOCATION OF 3x10,000 - GAL UNDERGROUND STORAGE TANKS WITHIN A CONCRETE TANK VAULT

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QUEENS WEST PARCEL 9
Queens, New York

SAMPLING LOCATIONS

DATE
04.06.05

SCALE
1"=50'

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10516

FIGURE No.
6

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47th ROAD

CENTER BLVD.

5th STREET

48th AVENUE

CONCRETE SIDEWALK

A-1 A-2 A-4 A-10

-2 -4 -6 -10 -12 -14 -16 -18 -20 -22 -24 -26 -28

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Legend:

- EXTENT OF DNAPL
- A-10 DEEP MONITORING WELL
- CHAIN-LINK FENCE
- GEOTECHNICAL SOIL BORING
- -12 ELEVATION OF TOP OF GLACIAL TILL (FT., QUEENS BOROUGH DATUM)

Note:

MAP BASED ON GEOTECHNICAL REPORT FOR QUEENS WEST SITE 9, MUESER RUTLEDGE CONSULTING ENGINEERS, DATED: MAY 25, 2004.

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

QUEENS WEST PARCEL 9
Queens, New York

ASSUMED EXTENT OF ON-SITE DNAPL

DATE
07.14.04

SCALE
1"=50'

PROJECT No.
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FIGURE No.
7

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47th ROAD

CONCRETE SIDEWALK

CENTER BLVD.

5th STREET

48th AVENUE

1.96 A-11
2.22 A-3
3.49 A-8
4.02 A-5
1.36 A-10
A-6 NA
A-13 NA
A-2 1.79
2.71 A-9
0.68 A-1
0.39 A-4
3.28 A-7

2 4 2 3 1

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Legend:

- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- A-5 MONITORING WELL
- A-2 CLUSTER WELL
- 2 GROUNDWATER ELEVATION CONTOUR
- 0.68 GROUNDWATER ELEVATION AS MEASURED ON 4.4.05
- NA WELLS WERE COVERED DURING TANK REMOVAL ACTIVITIES AND COULD NOT BE SURVEYED

(Ft., Queens Borough Datum)

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QUEENS WEST PARCEL 9
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GROUNDWATER SURFACE ELEVATIONS

DATE 04.06.05
SCALE 1"=50'
PROJECT No. 10516
FIGURE No. 8

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47th ROAD

CENTER BLVD.

5th STREET

48th AVENUE

CONCRETE SIDEWALK

FUEL OIL RETORTS

GAS ENGINE FOR COMPRESSOR

COMPRESSOR ROOM

PURIFYING ROOM

PURIFIERS

COMPRESSOR

BOTTLING HOUSE

OIL FUEL RETORTS

GAS HOLDER WITH INTERNAL OIL TANK

LABORATORY OFFICES AND STOCK

S-1	9.5-10 90.4; 16.5-17 36.1; 25-25.5 56.5
S-2	9.5-10 < 0.1; 13.5-14 31.9; 32.5-33 13.6
S-3	9.5-10 9.2; 16-16.5 13.1
S-4	10-10.5 31.3; 14.5-15 < 0.1
S-5	9-9.5 < 0.1; 17-17.5 6.9
S-6	11.5-12 0.5; 22.5-23 < 0.1
S-7	7.5-8 < 0.1; 22-22.5 < 0.1
S-8	7.5 126.1; 12.5-13 313; 18.5-19 584
S-9	14.5-15 116.7; 18-18.5 544.9; 20.5-21 97.6
S-10	7.5-8 < 0.1; 22-22.5 < 0.1
S-11	9.5-10 24.7; 18.5-19 52.7
S-12	4.5-5 < 0.1; 22-22.5 < 0.1
S-13	10-10.5 < 0.1; 21-21.5 0.1
S-14	6.5-7 < 0.1; 19.5-20 0.1
S-15	11.5-12 0.2; 20-20.5 0.1
S-16	17-17.5 < 0.1; 21.5-22 33.1; 28-28.5 0.3
S-17	12-12.5 < 0.1; 24-24.5 < 0.1
S-18	9.5-10 3.3; 12-12.5 22.3
S-19	13-13.5 455.5; 7.5-8 78.3
S-20	8-8.5 279.9; 17-17.5 44.9
S-21	9.5-10 39.7; 12-12.5 15.4; 29.5-21 4.9
TP-8	

SCALE IN FEET

0' 25' 50' 100'

SCALE: 1"=50'

Note:

FORMER BLAU GAS PLANT STRUCTURES ARE AS DEPICTED ON 1915 SANBORN MAP. SOME LABELS ON MAP ARE ILLEGIBLE.

Legend:

- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- SOIL PROBE LOCATION
- 9.5-10 | 1.3 — SOIL SAMPLING DEPTH AND TOTAL BTEX CONCENTRATION (ppm)
- FORMER BLAU GAS PLANT STRUCTURE

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QUEENS WEST PARCEL 9
Queens, New York

BTEX CONCENTRATIONS IN SOIL SAMPLES

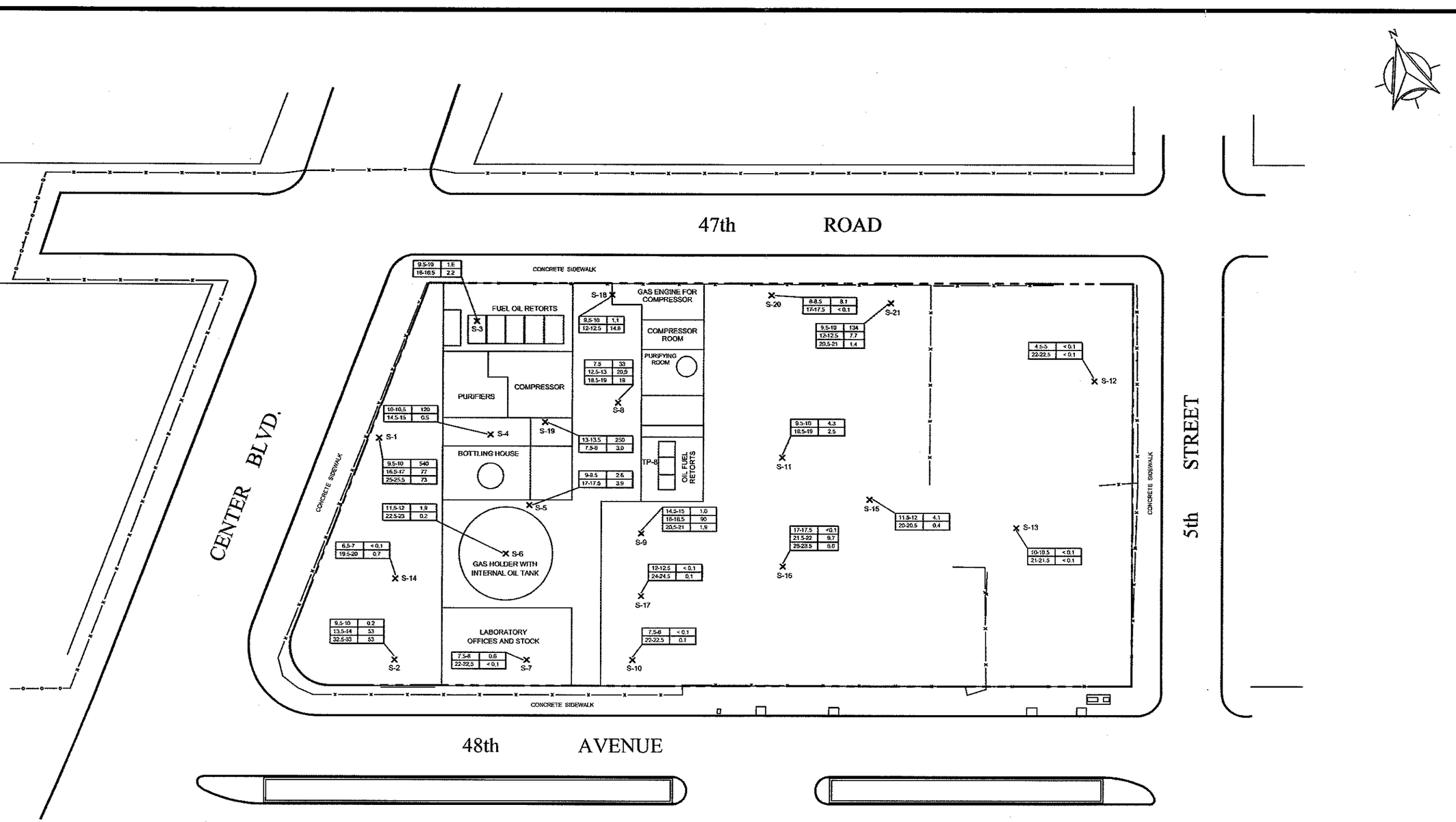
DATE 04.06.05

SCALE 1"=50'

PROJECT No. 10516

FIGURE No. 9

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SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Note:

FORMER BLAU GAS PLANT STRUCTURES ARE AS DEPICTED ON 1915 SANBORN MAP. SOME LABELS ON MAP ARE ILLEGIBLE.

Legend:

- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- × SOIL PROBE LOCATION
- 8.5-10 | 0.2 — SOIL SAMPLING DEPTH AND NAPHTHALENE + 2-METHYLNAPTHALENE CONCENTRATION (ppm)
- FORMER BLAU GAS PLANT STRUCTURE

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QUEENS WEST PARCEL 9
Queens, New York

NAPHTHALENE + 2-METHYLNAPHTHALENE CONCENTRATIONS IN SOIL SAMPLES

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
10

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47th ROAD

CONCRETE SIDEWALK

1200
A-3

1900
A-11

U
A-8

U
A-5

A-10
11,000

A-6
See Note

A-13
410

A-2
36

A-9
330

140
A-1

5.1
A-4

0.4
A-7

CONCRETE SIDEWALK

CENTER BLVD.

5th STREET

48th AVENUE

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Note:
GROUNDWATER NOT SAMPLED.
LNAPL PRESENT

Legend:
- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- A-5 MONITORING WELL
- A-2 CLUSTER WELL
- 140 BENZENE CONCENTRATION
- U UNDETECTED

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QUEENS WEST PARCEL 9
Queens, New York

BENZENE CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES (µg/L)

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
11

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47th ROAD

CONCRETE SIDEWALK

A-10
10,000

A-2
560

See Note
A-1

3500
A-4

CONCRETE SIDEWALK

CENTER BLVD.

5th STREET

48th AVENUE

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Note:
GROUNDWATER NOT SAMPLED.
DNAPL PRESENT

Legend:
- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- A-5 MONITORING WELL
- A-2 CLUSTER WELL
- 140 BENZENE CONCENTRATION

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QUEENS WEST PARCEL 9
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BENZENE CONCENTRATIONS IN DEEP GROUNDWATER SAMPLES (µg/L)

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
11A

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47th ROAD

CONCRETE SIDEWALK

59
A-3

25
A-11

U
A-8

A-5
U

A-6
See Note

A-10
4200

A-13
1500

A-2
1.8

A-9
10,000

CONCRETE SIDEWALK

CONCRETE SIDEWALK

CENTER BLVD.

5th STREET

710
A-1

U
A-4

U
A-7

CONCRETE SIDEWALK

48th AVENUE

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Note:
GROUNDWATER NOT SAMPLED.
LNAPL PRESENT

Legend:
- PROJECT SITE BOUNDRY
- CHAIN-LINK FENCE
- A-5 MONITORING WELL
- A-2 CLUSTER WELL
- 140 NAPHTHALENE CONCENTRATION
- U UNDETECTED

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QUEENS WEST PARCEL 9
Queens, New York

NAPHTHALENE CONCENTRATIONS IN SHALLOW GROUNDWATER SAMPLES (µg/L)

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
12

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47th ROAD

CONCRETE SIDEWALK

CENTER BLVD.

A-10
8500

A-2
77

See Note
A-1

32
A-4

CONCRETE SIDEWALK

CONCRETE SIDEWALK

CONCRETE SIDEWALK

5th STREET

48th AVENUE

SCALE IN FEET
0' 25' 50' 100'
SCALE: 1"=50'

Note:
GROUNDWATER NOT SAMPLED.
DNAPL PRESENT

Legend:

	PROJECT SITE BOUNDRY
	CHAIN-LINK FENCE
A-5	MONITORING WELL
A-2	CLUSTER WELL
140	NAPHTHALENE CONCENTRATION

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QUEENS WEST PARCEL 9
Queens, New York

NAPHTHALENE CONCENTRATIONS IN DEEP GROUNDWATER SAMPLES (µg/L)

DATE
04.06.05

SCALE
1"=50'

PROJECT No.
10516

FIGURE No.
12A

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APPENDIX A

SOIL BORING LOGS

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-1

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 12:30	Time: 3:15
Date: 01-25-05	Date: 01-25-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	5		Black SAND and SILT, little fine Gravel, Brick, Concrete (FILL).	1	None	Dry	
2							
3							
4							
5							
6	4		Top 1': Brown fine SAND and SILT.	9	None	Dry	
7			Bottom 3': Brown-black fine SAND and SILT. (black staining)		Petro	Moist	
8				121			
9				131	Petro	Wet	
10							SB-1 (9.5-10')
11	5		Top 2': Brown-black fine SAND and SILT.	9	Slight	Wet	
12				36	Petro		
13			Bottom 3': Brown fine SAND and SILT. (sheen)				
14				56	Strong	Wet	
15					Petro		
16	5		Brown-black fine SAND and SILT. (slight sheen)	43	Petro	Wet	
17				216			SB-1 (16.5-17')
18							
19				43			
20							
21	2		Brown fine SAND and SILT. (unable to retrieve intact sample from macrocore)	NR	NR	NR	
22							
23							
24							
25							
26	3		Top 2': Black fine SAND and SILT.	285	Petro	Wet	SB-1 (25-25.5')
27							
28			Bottom 1': Brown SAND, some Silt, Gravel (TILL).	54	None	Moist	
29			End of Boring @ 28' below grade.				
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9
AKRF Project Number: 10516-0002

Boring No. S-2
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling
Start Time: 11:45 Date: 01-24-05
Finish Time: 1:45 Date: 01-24-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	3		Brown fine-coarse SAND, some Silt, trace fine Gravel, Brick, Concrete (FIL	0.8 3.0	None	Dry	
6 7 8 9 10	0.5		Brown SAND, some Silt, trace fine Gravel, Brick, Concrete (FILL).	4.2	None	Dry	SB-2 (9.5-10')
11 12 13 14 15	2.5		Top 1.5': Brown-black SAND, some Silt, Clay. (sheen on soil) Bottom 1': Brown SILT and CLAY, trace Peat.	2.8 4.6 27.8 17.8	Strong Petro	Wet	SB-2 (13.5-14')
16 17 18 19 20	2		Brown SAND. (slight sheen in sleeve)	1.8 1.3	None	Wet	
21 22 23 24 25	1.5		Brown micaceous SAND.	8.2 1.7 5.1	None	Wet	
26 27 28 29 30	4		Top 2': Brown silty CLAY. Bottom 2': Brown micaceous SAND. (staining and sheen at 27.5' below grade, no staining at bottom of interval)	2.0 80.9 11.2 2.3	Strong Petro	Moist	
31 32 33 34 35	5		Top 3': Brown micaceous SAND. (sheen on soil, more prominent at bottom) Bottom 2': Red brown silty CLAY. (no staining)	44.2 20.3 18.6 4.1 1.3	Petro None	Moist	SB-2 (32.5-33')
36 37 38 39 40	4.5		Red brown silty CLAY.	NR	None	Dry	

End of Boring at 40' below grade.

Notes: ND - Not Detected Petro - Petroeum-like odor NR - Not Recorded PID - Photoionization Detector
Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-3

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 9:30	Time: 10:20
Date: 01-25-05	Date: 01-25-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	4		Red to brown SAND, some Silt, some fine Gravel (FILL).	ND	None	Dry	
6 7	2.5		Top 1': Red to brown SAND, some Silt, some fine Gravel (FILL).	5.4	None	Dry	
8 9 10			Bottom 1.5': Brown SAND.	191	Slight Petro	Moist	SB-3 (9.5-10')
11 12 13 14 15	3.5		Brown SAND, little Silt.	80.6 5.4 11.8	Strong Petro	Wet	
16 17 18 19 20	5		Top 2': Brown to black fine SAND and SILT. Bottom 3': Brown fine to medium SAND and SILT.	4.3 5.2 6.9	None	Wet Wet	SB-3 (16-16.5')
21 22 23 24 25	4.5		Brown SAND and SILT (increasing coarse Sand and fine Gravel with depth.)	1.7 0.7 ND	None	Wet Moist	
26 27 28 29 30	2		Brown to grey SAND and GRAVEL (TILL).	0.5	None	Moist	

End of Boring at 30' below grade.

Notes: **ND - Not Detected** **Petro - Petroeum-like Odor** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-4

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 10:40	Time: 12:45
Date: 01-25-05	Date: 01-25-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	3.5		Brown SAND and SILT, little Concrete, Brick, trace Ash (FILL).	ND	None	Dry	
6 7 8 9 10	3		Top 1': Brown SAND and SILT, little Concrete, Brick, trace Ash (FILL). Bottom 2': Brown SAND and SILT.	ND	None	Dry Moist Wet	
11 12 13 14 15	4.5		Top 3.5': Black fine SAND and SILT. Bottom 1': Brown SAND, some Silt.	132 46 7.9	Strong Petro.	Moist Wet	SB-4 (10-10.5') SB-4 (14.5-15')
16 17 18 19 20	5		Top 2': Brown SAND, some Silt. Middle 2': Black SILT, trace fine Sand. Bottom 1': Brown SAND, trace silt.	NR	None	Wet Moist Dry	
21 22 23 24 25	5		Top 2.5': Black to brown fine SAND and SILT. Bottom 2.5': Brown SAND, some Clay, trace fine Gravel.	5.2 2.9	Slight Petro None	Wet Dry	
26 27 28	3'		Brown CLAY, trace fine Sand. (high plasticity)	NR	None	Dry	
29 30			Refusal at 28' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **pionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), Priority Pollutant Metals, and Cyanide.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-5

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	15° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 9:15	Time: 11:15
Date: 01-27-05	Date: 01-27-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	5		Brown SAND and SILT, some Concrete, Brick (FILL).	ND ND ND	None	Dry	
6 7 8 9 10	3		Top 1.5': Brown SAND and SILT. Middle 1': Black SAND and SILT. (black staining) Bottom 0.5': Dark brown SILT, some Sand, Peat. (staining)	6.1	None Strong Petro	Dry Wet	SB-5 (9-9.5')
11 12 13 14 15	5		Top 1.5' Dark brown fine SAND and SILT. Middle 2': Dark brown fine SAND and SILT, trace Peat. Bottom 1.5': Brown SAND and SILT.	>700	Strong Petro	Wet	
16 17 18 19 20	3		Brown SAND, some Silt. (black staining)	>700	Strong Petro	Wet	SB-5 (17-17.5')
21 22 23 24 25	2		Brown fine SAND and SILT, some Clay, little fine Gravel (TILL). (slight staining) (unable to retrieve intact sample from marcocore)	>700	Slight Petro	Moist	
26 27 28 29 30			End of boring at 25' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), Priority Pollutant Metals, and Cyanide.

SOIL BORING LOG

Queens West - Parcel 9
AKRF Project Number: 10516-0002

Boring No. S-6
Sheet 1 of 1

AKRF
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Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	15° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 11:30	Time: 1:30
Date: 01-27-05	Date: 01-27-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1			Top 2': Black to brown SAND, little Brick, Concrete, Rock (FILL).		None	Dry	
2							
3	2.5		Bottom 0.5': Black SAND, little Silt, trace fine Gravel (FILL).		Slight Petro	Dry	
4							
5				>700			
6			Top 2': Black SAND, little Silt, trace Brick, Ash, (FILL).	NR		Dry	
7					Slight Petro		
8	4		Middle 2': Brown SAND, some Silt. (some black staining)				
9							
10			Bottom 2": Brown fine SAND, some Clay, trace Silt, Peat.		Strong		
11			Top 0.5': Brown fine SAND and SILT. (black staining)			Wet	
12			Middle 1': Brown CLAY, some Silt, trace fine Sand. (some black staining)		Strong Petro		SB-6 (11.5-12')
13	2.5		Bottom 1': Brown fine SAND, some Peat, fine Silt.			Moist	
14							
15				>700			
16			Top 3.6': Brown fine SAND, some Silt. (some staining.)		Some Petro	Wet	
17							
18	4			>700			
19							
20			Bottom 0.4': Brown fine SAND, some Silt, trace Peat. (slight staining)				
21			Top 4': Brown fine SAND and SILT, trace Peat.	>700	Slight Petro	Wet	
22							SB-6 (22.5-23')
23	5						
24							
25			Bottom 1': Brown SAND, trace Silt, fine Gravel (TILL).		None	Dry	
26			End of boring at 25' below grade.				
27							
28							
29							
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**
Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), Priority Pollutant Metals, and Cyanide.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-7

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 2:30	Time: 4:15
Date: 01-25-05	Date: 01-25-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	5		Brown SAND, some Gravel, Brick, Concrete, little Silt (FILL.)	2.1	None	Dry	
6 7 8 9 10	2.5		Brown SAND. (some black staining)	25.8	None	Dry Wet	SB-7 (6.5-7')
11 12 13 14 15	5		Top 2.5': Brown SAND, little Silt, Peat. Middle 1.5': Brown PEAT. Bottom 1': Brown SAND, some Peat, Silt.	NR	None	Wet Moist	
16 17 18 19 20	5		Brown SAND, some Silt, trace Clay at top. (some staining on bottom 4" of sample).	NR	None	Wet	
21 22 23 24 25	4.5		Top 3.5': Brown SAND, some Silt. Bottom 1': Brown SAND. (some black staining)	12.1	None Slight Petro	Wet Moist	S-7 (20-20.5')
26 27 28 29 30	4.5		Top 3.5': Brown SAND, trace Silt. Bottom 1': Brown SAND, trace fine Gravel, Clay (TILL).	2.5 1.2	None	Wet Moist	

End of Boring at 30' below grade.

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-8

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	35° F, Sunny
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 12:45	Time: 2:15
Date: 01-31-05	Date: 01-31-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	3		Brown SAND, some Rock, Brick (FILL).		None	Dry	
2				ND			
3							
4				ND			
5							
6	5		Top 1': Black SAND, little fine Gravel.		None	Dry	
7			Middle 3.5': Brown fine SAND, little Silt. (black staining)	303			
8					Strong Petro		SB-8 (7.5-8')
9				422		Wet	
10			Bottom 0.5': Brown fine SAND and SILT, trace Clay.	48			
11	5		Top 2.5': Dark Brown fine SAND, some Silt.	230		Wet	
12					Strong Petro		
13			Bottom 2.5': Brown fine SAND, trace Silt, Organics. (black staining and	648			SB-8 (12.5-13')
14			sheen on soil, less than 1" of oily product at 12.5' below grade)				
15				138			
16	2		Brown fine SAND, some Silt, trace Organics. (black staining)	473	Strong Petro	Moist	
17			(unable to retreive intact sample from macrocore)				
18							
19				486			SB-8 (18.5-19')
20							
21	2.5				None	Moist	
22			Top 2' Black to brown SAND, little Silt, fine Gravel. (slight black staining)	24.2			
23			Bottom 0.5': White grey SAND and GRAVEL (crushed rock) (TILL).			Dry	
24				8.2			
25							
26			Refusal (possible cobble or boulder) at 24.5' below grade.				
27							
28							
29							
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), Priority Pollutant Metals, and Cyanide.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-9

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	35° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 9:15	Time: 10:30
Date: 01-31-05	Date: 01-31-05

Depth (feet)	Recovery (feet)	Soil Type		PID Reading (ppm)	Odor	Moisture	Lab Sample Location
			Surface Condition: Snow				
1	3		Black SAND, some fine Gravel, Brick, Wood chips (FILL).	0.5	None	Dry	
2							
3				ND			
4				0.9			
5							
6	5'		Black to brown SAND, some Brick, Concrete, Rock, trace Ash (FILL).	0.8	None	Dry	
7							
8				0.9			
9							
10				0.9			
11	4		Top 2': Black SAND, little Brick, Rock (FILL).	7	None	Dry	
12							
13			Bottom 2': Black fine SAND, little Silt. (black staining)	27	Petro	Wet	
14							
15				264			SB-9 (14.5-15')
16	5		Brown fine SAND, little Silt. (black staining and sheen at 18' below grade)	127	Strong Petro	Wet	
17							
18				369			
19							SB-9 (18-18.5')
20				54			
21	3		Top 1': Black fine SAND, some Silt, little fine Gravel, trace Organics. (black staining and sheen on soil)	50	Petro	Wet	
22							
23			Middle 1': Brown fine SAND, some Silt. (black staining)	28			
24			Bottom 1': Brown fine SAND, trace Silt. (little black staining)				
25				ND			
26	3.5		Top 2': Brown fine SAND, little Silt. (slight sheen on water)	2.2	None	Wet	
27							
28			Bottom 1.5': Brown SAND, little fine Gravel, trace Silt.	0.8	None	Moist	
29			Refusal at 28' feet below grade.				
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-10

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 2:15	Time: 3:15
Date: 01-27-05	Date: 01-27-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	4		Brown SAND, some fine Gravel, Brick, little Silt, trace Ash (FILL).	ND ND	None	Dry	
6 7 8 9 10	4		Top 1.5' Brown to black SAND, ROCK and BRICK (FILL). Middle 0.5': Brown fine SAND, some Silt, trace Clay. (some black staining) Bottom 2': Brown fine SAND and SILT, trace Peat. (some black staining)	ND >700	None	Dry Wet	SB-10 (7.5-8')
11 12 13 14 15	5		Top 2.5': Brown SAND, little Silt. (slight black staining) Bottom 2.5': Dark brown SILT, some Clay, Peat.	ND ND	None Slight Petro	Wet Moist	
16 17 18 19 20	2.5		Brown SAND, some Silt. (minor staining)	ND ND	Slight Petro	Wet	
21 22 23 24 25	4		Top 3' Grey SAND and SILT. (black staining) Bottom 1': Brown fine SAND and SILT, trace fine Gravel. (no staining)	>700 >700	Strong Petro. None	Wet Moist	SB-10 (22-22.5)
26 27 28	1		Brown SAND, some Silt, trace fine Gravel (TILL).	>700	Slight	Moist	
29 30			End of boring at 28' feet below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-11

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	35° F, Sunny
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 10:30	Time: 12:15
Date: 01-31-05	Date: 01-31-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	3		Brown to black SAND, little fine Brick, Rock, Concrete (FILL).		None	Dry	
2				14			
3							
4				1.2			
5							
6	5		Brown to black SAND, some Rock, Concrete, Brick (FILL). (black staining from 8-10' below grade)	0.2	None	Dry	
7							
8				8.5			
9							
10				339			SB-11 (9.5-10')
11	4		Top 3': Black SAND, some fine Gravel, Wood, trace Silt. (some staining)	145		Moist	
12							
13			1': Brown SAND, little Silt. (some staining)	25	Petro	Moist	
14							
15				445			
16	4.5		Top 1': Brown fine SAND, little Silt. (black staining)	23	Petro	Wet	
17			Middle 0.5': Brown SAND, trace Silt, fine Gravel.		None	Moist	
18			Middle 1.5': Brown SAND, little Silt, trace Organics. (sheen on soil)	233	Petro	Wet	SB-11 (18.5-19')
19			Bottom 1.5': Brown fine SAND, trace Silt. (black staining)				
20				28			
21	5		Top 1.5': Brown SAND, trace Silt. (some black staining)		None	Wet	
22				10.1			
23			Middle 2': Brown SILT and CLAY, some Organics. (low plasticity, slight staining)				
24							
25			Bottom 1': Brown SAND, some fine Gravel, trace Silt.	1.2		Moist	
26	5		Top 2': Brown SILT and CLAY. (some staining)	28.2	None	Wet	
27							
28			Bottom 3': Brown SAND, little Silt, fine Gravel (TILL).	5.2		Moist	
29							
30			End of Boring 30' below grade.	0.9			

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-12

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 1:15	Time: 4:00
Date: 01-28-05	Date: 01-28-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	3		Brown SAND, some Brick, Concrete (FILL).	ND	None	Dry	
2							
3							
4				8.6			
5				12.5			SB-12 (4.5-5')
6	3.5		Top 1.5': Brown SAND, some Silt, little Brick, Concrete (FILL).	0.7	None	Dry	
7							
8			Bottom 1.5': Red-brown fine SAND and SILT, trace fine Gravel.				
9				0.9			
10						Wet	
11	2.5		Top 1': Brown CLAY, some Silt, trace fine Sand.		None	Wet	
12			Bottom 1.5': Dark grey SILT, little Clay, trace fine Sand.	0.7			
13							
14							
15				0.7			
16	4		Top 1': Brown SAND, some Silt.	NR	None	Wet	
17			Bottom 3': Brown fine SAND and SILT. (bottom 3": yellow-brown fine				
18			Sand)				
19							
20							
21	2		2': Brown fine SAND and SILT.	8.4	Slight	Wet	
22							
23				8			SB-12 (22-22.5')
24			Refusal at 23' below grade.				
25							
26							
27							
28							
29							
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-13

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 11:00	Time: 12:15
Date: 01-28-05	Date: 01-28-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	1.5		Brown and black SAND, some Rock, Brick (FILL).	ND	None	Dry	
2							
3							
4				ND			
5							
6	2		Top 1': Brown SAND, some fine Gravel, Brick (FILL).	ND	None	Dry	
7						Dry	
8							
9			Bottom 1': Brown SAND, some Silt. (slight staining over 2")				
10						Wet	
11	3		Top 1.5': Brown fine SAND and SILT.	0.7	None	Wet	SB-13 (10-10.5')
12			Bottom 1.5': Dark brown SILT, some Peat, trace Clay.			Moist	
13							
14				1.1			
15							
16	5		Top 2': Brown fine SAND, some Silt.	0.5	Slight	Wet	
17							
18			Middle 1': Brown fine SAND and SILT, some Peat.	ND	Slight	Moist	
19			Bottom 2': Brown fine SAND, little Silt.				
20				2.1			
21	4		2': Grey to brown fine SAND and SILT.	1.3	Slight	Wet	
22							SB-13 (21-21.5')
23			2': Brown SAND, some Silt.	0.5			
24							
25			2": Red brown SAND, some Silt, trace fine Gravel (TILL).				
26	0.5		Brown SAND, some Gravel, little Silt (TILL).	ND	None	Dry	
27							
28			Refusal at 27' below grade.				
29							
30							

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-14

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	20° F, Sunny
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 10:00	Time: 11:30
Date: 01-24-05	Date: 01-24-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Snow	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	5		Brown SAND, trace Silt, fine Gravel (FILL).	ND	None	Dry	
6	5		Top 2': Brown SAND, trace Silt, fine Gravel (FILL).	ND	None	Dry	SB-14 (6.5-7')
8			Middle 1': Black and grey SAND. (some black staining)	0.7			
9			Bottom 2': Dark brown SAND.	3.9		Wet	
11	5		Black SAND. (slight sheen on soil)	ND	None	Wet	
16	4.5		Top 3.5': Black SAND.	4.4	None	Wet	
19			Bottom 1': Brown organic SILT.	0.8			
20				0.5			SB-14 (19.5-20')
21			Lost shoe in hole while drilling from 20-25' below grade. End of boring at 20' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), SVOCs (8270), PCBs (8081), Pesticides (8082), and Priority Pollutant Metals.

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-15

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	30° F, Rain
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 9:00	Time: 10:00
Date: 02-21-05	Date: 02-21-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	2.5		Black SAND, GRAVEL, and BRICK, trace Cinders (FILL.).	ND	None	Dry	
6	4		Brown SAND, some Brick, Gravel (FILL).	ND	None	Dry	
11	3.5		Top 1': Brown SAND, little Brick (FILL).	ND		Dry	
12			Middle 1': Black fine SAND, some Silt. (some black staining)	11.2	Petro	Moist	SB-15 (11.5-12')
13			Bottom 1.5': Dark brown SILT and CLAY, little Peat.	3.3	Odor	Moist	
16	5		Top 3': Brown SILT and fine SAND. (little black staining)	ND	None	Wet	
19			Bottom 2': Dark brown SILT and CLAY, little Peat.	ND	None	Moist	
21	5			ND	None	Wet	SB-15 (20-20.5')
22			Top 3': Brown SILT and fine SAND. (some black staining)				
24			Bottom 2': Light brown SAND. (dark staining)	ND	None	Wet	
26	3		Brown SAND, little Silt, trace fine Gravel (TILL).	ND	None	Moist	
30			End of Boring at 30' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-16

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	30° F, Rain
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 10:15	Time: 11:00
Date: 02-21-05	Date: 02-21-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1-5	3.5		Brown and black SAND, some Brick, Gravel, trace Cinders (FILL).	ND	None	Dry	
6-10	4		Brown and red SAND, little Brick, Gravel, Concrete (FILL).	ND	None	Dry	
11-15	2.5		BRICK, ROCK, and CONCRETE, some Sand (FILL).	ND	None	Dry Wet	
16-20	5		Top 3': Brown SILT and SAND. (little black staining at 17') Bottom 2': Dark brown SILT, some Clay, little Peat. (some staining)	ND ND	None Organic	Wet Moist	SB-16 (17-17.5')
21-25	4		Top 3': Dark brown SILT, little Clay, trace Organics. Bottom 1': Brown fine SAND, little Silt.	ND ND	Petro Odor None	Wet Wet	SB-16 (21.5-22')
26-30	5		Top 2': Brown fine SAND, some Silt, trace fine Gravel. Bottom 3': Brown SAND, some Gravel, little Silt. (oily sheen from 28 to 29')	ND ND	Petro Petro None	Wet Wet	SB-16 (28-28.5')

End of Boring at 30' below grade.

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-17

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	30° F, Rain
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 12:30	Time: 1:45
Date: 02-21-05	Date: 02-21-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	4		Black SAND, some Brick, Concrete, little Cinders (FILL).	ND	None	Dry	
6	3		Black SAND, some Brick, Gravel (FILL).	ND	None	Dry	
8						Wet	
11	3		Top 0.5': Brown GRAVEL.	ND	None		
12			Middle 1': Brown SILT and fine SAND, trace Organics. (minor staining)	ND	None	Wet	SB-17 (12-12.5') MS/MSD
13			Bottom 1.5': Brown SILT, little Clay, trace Peat.	ND	Organic	Moist	
16	0.5		Black SAND and brown GRAVEL.	ND	None	Wet	
21	4.5		Top 0.5': Brown GRAVEL.	ND	None		
22			Middle 1.5': Brown fine SAND, little Silt.			Wet	
23			Middle 2': Brown SAND. (some staining)	ND	Petro	Wet	SB-17 (24-24.5')
25			Bottom 0.5': Brown SILT and fine SAND, little Gravel.	ND	None	Wet	
26	1		Brown fine SAND, little Silt, trace Gravel. (sample in shoe is olive green with chemical odor)	ND	None	Wet	
28				ND	Petro	Wet	
29			Refusal at 28' Below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-18

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	30° F, Cloudy
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 2:15	Time: 3:15
Date: 02-21-05	Date: 02-21-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1 2 3 4 5	4		Brown and black SAND, some Gravel, Brick, Concrete (FILL).	ND	None	Dry	
6 7 8 9 10	3		Top 1.5': Brown and black SAND, some Gravel, Brick, Concrete (FILL). Bottom 1.5': Black SAND, trace Silt, fine Gravel.	ND 25.3 32	None Petro	Dry Wet	SB-18 (9.5-10')
11 12 13 14 15	4		Top 1': Brown fine GRAVEL, little Sand. Middle 2': Black SILT and fine SAND. (oily sheen on water and black staining) Bottom 1': Black SILT and CLAY, fibrous Peat.	2.3 2.3	Petro	Wet Moist	SB-18 (12-12.5')
16 17 18 19 20	3		Top 2': Black SILT and CLAY, fibrous Peat. Bottom 1': Black fine SAND, trace Clay.	ND ND	None Slight Petro	Moist Wet	
21 22 23 24 25	4		Top 2': Reddish brown fine SAND, some Silt, trace fine Gravel (TILL). Bottom 2': Brown SAND, trace fine Gravel, Silt.	ND ND	None None	Moist Moist	
26 27 28 29 30			End of Boring at 25' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-19

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	40° F, Cloudy
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 9:00	Time: 10:00
Date: 02-22-05	Date: 02-22-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	3		Brown SAND, some Gravel, little Cinders (FILL).	ND	None	Dry	
6	3.5		Top 1.5': Brown SAND, trace fine Gravel (FILL).	ND	None	Dry	
7				20.1	Petro	Wet	
8							SB-19 (7.5-8')
9			Bottom 2': Black SILT and fine SAND. (black staining)	84.3			
11	4		Top 1.5': Black SILT and fine SAND. (black stainng)	84.8	Petro	Wet	
12			Bottom 2.5': Brown fine SAND, little Silt.	189	Sweet Solvent odor	Wet	
14				243			SB-19 (13-13.5')
16	4.5		Brown fine SAND, trace Silt.	31	Sweet Solvent odor	Wet	
18				38.5			
20				16.4			
21	2		2': Red-brown SAND, some Silt, little fine Gravel (TILL).	ND	None	Moist	
25			Refusal on rock at 24' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-20

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	40° F, Cloudy
Sampler:	J. Leber

Drilling	
Start	**Finish**
Time: 10:10	Time: 11:00
Date: 02-22-05	Date: 02-22-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	4		Brown and grey SAND, some Gravel, Concrete (FILL).	ND	None	Dry	
6	4.5		Top 1.5': Brown SAND, trace fine gravel (FILL).	ND	None	Dry	
8			Middle 1.5': Brown SAND, little Silt, trace fine Gravel (FILL). (some black st	164	Petro	Wet	SB-20 (8-8.5)
9			Bottom 1': Black and brown CLAY, some Silt, trace Wood (FILL).	19.5	Petro	Moist	
11	5		Top 3': Brown SILT and fine SAND, little Organics. (some black staining)	45.2	Petro	Wet	
14			Bottom 1': Brown SILT, little Clay, trace fibrous Peat.	ND	Slight Petro	Moist	
16	3		Dark brown CLAY, little Silt, trace Peat. (some rock in shoe)	65.8	Petro Odor	Dry	SB-20 (17-17.5)
18				54.2			
19			Refusal at 18' below grade on rock.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

SOIL BORING LOG

Queens West - Parcel 9

AKRF Project Number: 10516-0002

Boring No. S-21

Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 459-3500 Fax (212) 726-0942

Drilling Method:	Geoprobe
Sampling Method:	Direct Push
Driller :	Aquifer Drilling and Testing, Inc.
Weather:	30° F, Cloudy
Sampler:	J. Leber

Drilling

Start	**Finish**
Time: 11:15	Time: 12:15
Date: 02-22-05	Date: 02-22-05

Depth (feet)	Recovery (feet)	Soil Type	Surface Condition: Soil	PID Reading (ppm)	Odor	Moisture	Lab Sample Location
1	2.5		Brown SAND and GRAVEL, little Cinders (FILL).	ND	None	Dry	
6	2		Top 1': Black SAND, trace Gravel (FILL).	104	Petro	Dry	
7			Bottom 1': Brown SAND. (black staining)	348	Petro	Moist	SB-21 (9.5-10')
11	5		Top 3': Brown SILT and fine SAND. (slight sheen on water at 1.5')	58.2		Wet	
13				88.3	Petro		SB-21 (12-12.5')
14			Middle 1': Brown CLAY, little Silt, trace fibrous Peat.	44.2		Moist	
15			Bottom 1': Brown CLAY, little Silt, Organics.	16.7	None	Moist	
16	0.5		Brown SAND, trace fine Gravel (TILL).	ND	None	Wet	
21	0.5		Brown SAND, some Silt, little fine Gravel (TILL).	105	Slight Petro	Moist	SB-21 (20-20.5')
26			End of Boring at 25' below grade.				

Notes: **ND - Not Detected** **Petro - Petroeum-like odor** **NR - Not Recorded** **PID - Photoionization Detector**

Soil samples analyzed for VOCs (Method 8260), and SVOCs (8270).

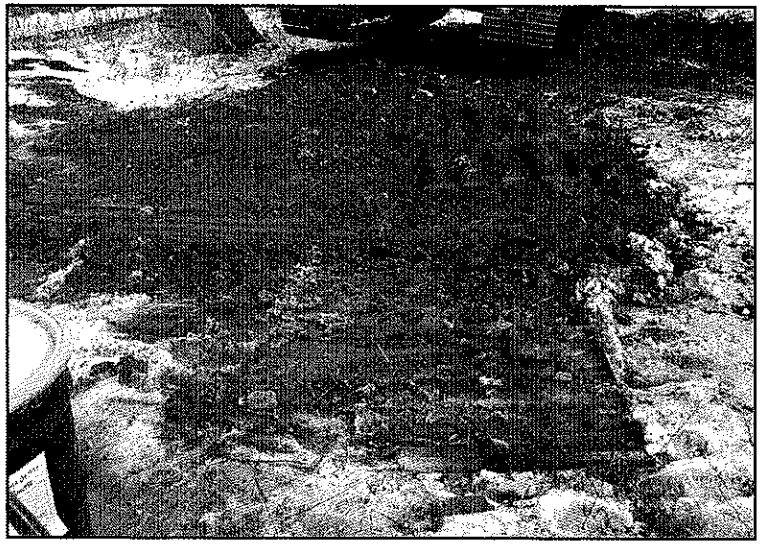
APPENDIX B
TEST PIT DESCRIPTIONS AND PHOTOGRAPHS

Test Pit Descriptions

Test Pit	Approx. Dimensions (L x W x D)	Soil Description	Structures Encountered
TP-1	15 x 15 x 0.5	Test Pit could not be completed beneath 0.5' below grade.	Concrete floor slab encountered at 0.5' below grade over a large area. Could not be broken through by excavator.
TP-2	See TP-8	See TP-8. TP-2 was inaccessible due to its location on the edge of a steep portion of the soil mound. TP-8 was expanded to the north and completed to within 10 feet of TP-2 location.	
TP-3	10 x 3 x 11	0-2': Fill 2-3': Concrete slab 3-9': Black fill (brick, timber, concrete debris and suspect tar chunks). Petroleum-like odor noted throughout. 9-11': Black silt and sand. Wet with petroleum-like odor. Water pooled at bottom contains an oily sheen.	12" concrete slab (2-3' below grade)
TP-4	12 x 4 x 13.5	0-3': Brown fill containing large amounts of brick and masonry. 3-4.5': Broken pieces of former concrete slab about 18" thick. 4.5-10': Brown fill with lesser amounts of debris. 7-8': Intact slab only in southern portion of pit. Could not break through. 9-13.5': Brown sand with some silt, minor amounts of debris. Moist to wet, but no water at bottom of pit. Some areas of black staining, but no major contamination noted. Odors near bottom.	18" Broken concrete (3-4.5' below grade) 12" Intact slab in southern half of pit (7-8' below grade).

Test Pit Description (page 2 of 2)

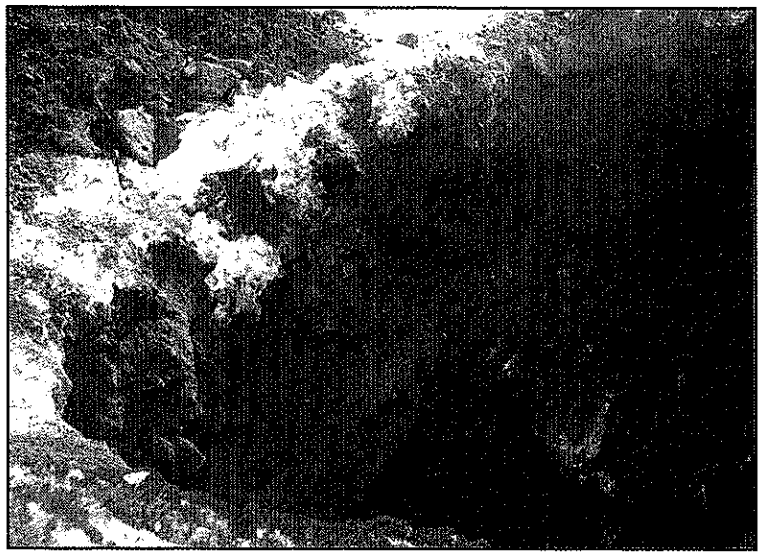
TP-5	12 x 4 x 11	0-5' Brown fill with large amounts of brick and concrete. Concrete slab with electrical conduits on southern side wall approximately 3' below grade; could not be broken. Apparent remnants of brick wall next to slab. 5-9': Brown fill (bricks, timber, and large rocks). Dry, no odors. 9-11': Black silt and sand, a few pieces of timber. Moist. Some staining and odors.	Concrete slab 3' below grade.
TP-6	15 x 4 x 5	0-1': Brown fill. 1-2': Concrete slab. 2-5': Brown fill with brick, masonry, and rock debris. An approx. 6" diameter pipe protruded from the southern wall. 5' Another slab that could not be broken through. Pit extended further west, but slab continued.	12" Concrete slab at 1-2' below grade. Slab at 5' below grade.
TP-7	10 x 4 x 13	0-10': Brown and black fill with some debris including brick, rock, and suspect tar chunks. 0.5' of clean sand at about 2' below grade. Dry. No odor. 10-13': Black silt and sand. Moist. Some staining and slight odor.	Concrete structure on eastern wall of pit from 0.5' to 6-7' below grade Structure is about 3' wide.
TP-8	20 x 8 x 7.5	0-7.5': Black fill (top 3') and brown fill (bottom 4') containing brick, concrete, and rock. Some staining in areas, but no strong odors.	Two tanks oriented in a N/S direction. One with 2" diameter hole on southern edge. Tanks both ~ 5' in diameter and contained about 6" of sediment and water (no product or odor – measured through hole). Uncovered approximately 15' length of tank while extending pit northward. Could extend no further due to the edge of the soil mound. Estimated length of tanks between 15-25'.



Photograph 1. Area of TP-1, where a concrete slab at 0.5' below grade could not be broken.



Photograph 2. TP-3, completed to 12' below grade.



Photograph 3. Sidewall of TP-4, completed to 13' below grade.



Photograph 4. Foam applied to soil from TP-4 as odors were noted.



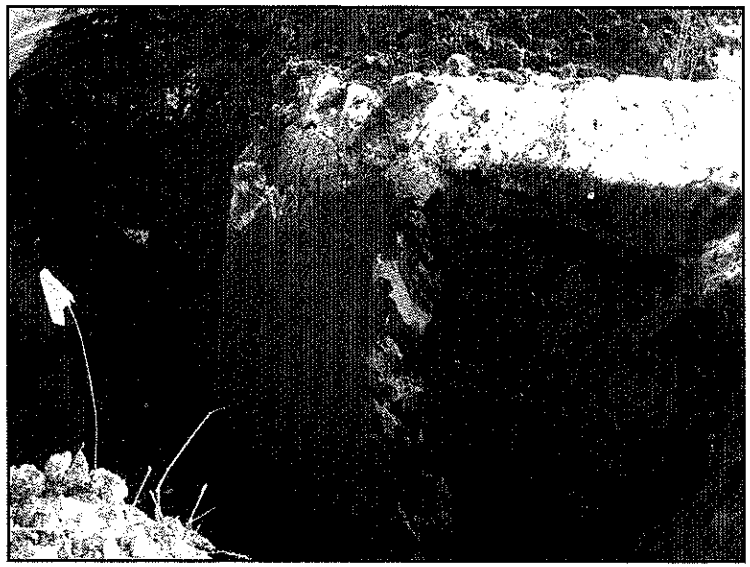
Photograph 5. Broken concrete slabs from TP-4.



Photograph 6. Pile of brick containing fill from TP-5.



Photograph 7. TP-6, as extended west, when concrete at 5' below grade could not be broken.



Photograph 8. Concrete structure on the sidewall of TP-7.



Photograph 9. Length of extended TP-8, excavated over the top of the tanks.



Photograph 6. The 2 inch diameter hole on the top of one tank in TP-8.

APPENDIX C
WELL CONSTRUCTION LOGS

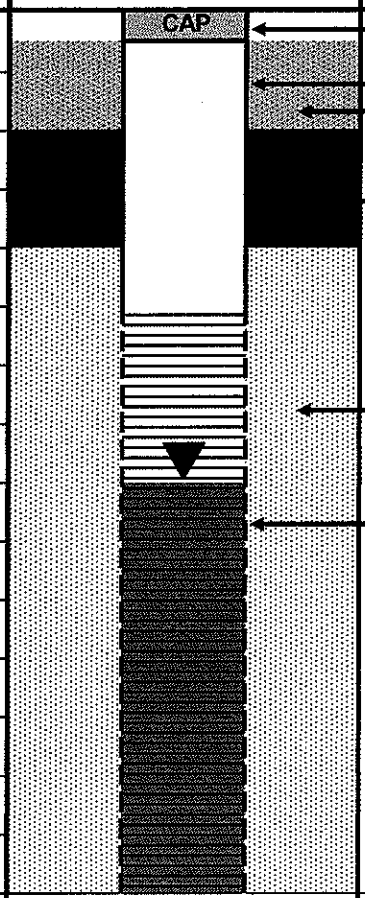
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-1-S
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	Drilling	
Driller:	General Borings, Inc.	Start	Finish
Weather:	50° F, Sunny	Time: 11:00	Time: 11:45
Sampler:	J. Leber	Date: 02-15-05	Date: 02-15-05

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
3		Backfill from 0.7' to 1'
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 9' below grade during soil sampling. Stabilized at 7.79 feet below grade (taken on 3/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-1-D
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Drilling**	
Driller:	General Borings, Inc.	**Start**	**Finish**
Weather:	50° F, Overcast	Time: 9:15	Time: 10:45
Sampler:	J. Leber	Date: 02-15-05	Date: 02-15-05

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-27'
3		Sand from 0.7'-23'
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		Bentonite chip seal from 23'-25'
25		
26		
27		
28		20-slot 2" diameter PVC well screen 27'-32'
29		Sand pack filter 25'-33'
30		
31		
32		
33		2" diameter solid PVC sump 32-33'.
		Bottom of boring at 33' below grade.

Notes:
Groundwater encountered at approximately 9' below grade during soil sampling. Stabilized at 6.96 feet below grade (taken on 4/4/2005.)

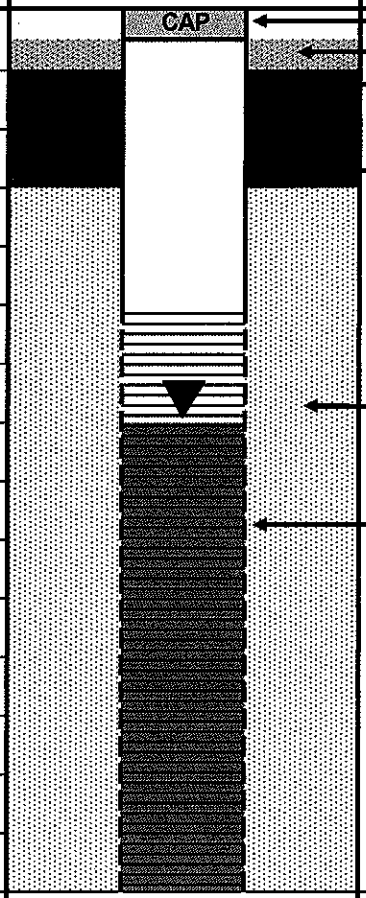
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-2-S
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Start**	**Finish**
Driller:	General Borings, Inc.	Time: 2:15	Time: 3:15
Weather:	35° F, Overcast	Date: 02-14-05	Date: 02-14-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		Backfill from 0.7' to 1'
3		2" diameter PVC riser 0.5'-5'
4		Bentonite chip seal from 1'-3'
5		
6		
7		Sand filter pack 3'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 9' below grade during soil sampling. Stabilized at 6.11 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-2-D
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	Start	Finish
Driller:	General Borings, Inc.	Time: 9:30	Time: 11:30
Weather:	35° F, Overcast	Date: 02-14-05	Date: 02-14-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-17'
3		Backfill from 0.7' to 11'
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		Bentonite chip seal 11-15'
14		
15		
16		
17		
18		20-slot 2" diameter PVC well screen 17'-22'
19		
20		Sand filter pack 15-23'
21		
22		
23		2" diameter solid PVC sump 22-23'.
24		Bottom of boring at 23' below grade.
25		
26		
27		
28		
29		
30		

Notes:
Groundwater encountered at approximately 9' below grade during soil sampling. Stabilized at 6.98 feet below grade (taken on 4/4/2005.)

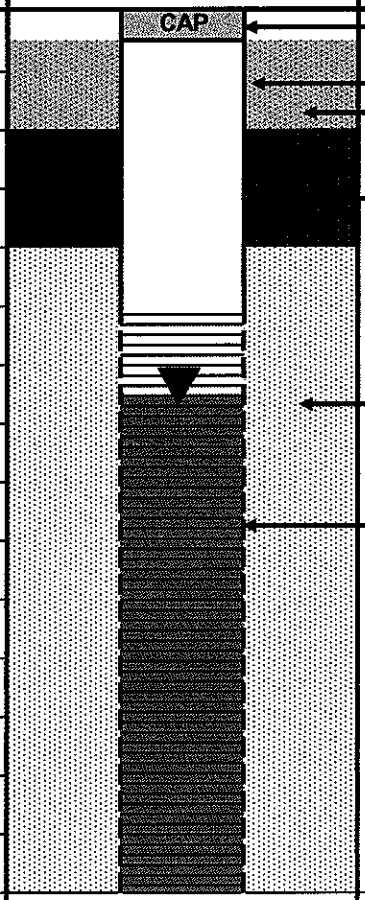
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-3
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Start**	**Finish**
Driller:	General Borings, Inc.	Time: 11:00	Time: 12:00
Weather:	45° F, Sunny	Date: 02-16-05	Date: 02-16-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
3		Backfill from 0.7' to 2'
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 6.61 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-4-S
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Drilling**	
Driller:	General Borings, Inc.	**Start**	**Finish**
Weather:	50° F, Sunny	Time: 2:00	Time: 3:45
Sampler:	J. Leber	Date: 02-15-05	Date: 02-15-05

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
		Backfill from 0.7' to 2'
3		
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 7.5' below grade during soil sampling. Stabilized at 7.07 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-4-D
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	Start	Finish
Driller:	General Borings, Inc.	Time: 12:45	Time: 2:00
Weather:	50° F, Sunny	Date: 02-15-05	Date: 02-15-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-19'
3		Backfill from 0.7' to 15'
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		Bentonite chip seal 15-18'
18		
19		
20		Sand filter pack 18-25'
21		20-slot 2" diameter PVC well screen 19'-24'
22		
23		
24		
25		2" diameter solid PVC sump 24-25'.
26		Bottom of boring at 25' below grade.
27		
28		
29		
30		

Notes:
Groundwater encountered at approximately 7.5' below grade during soil sampling. Stabilized at 7.43 feet below grade (taken on 4/4/2005.)

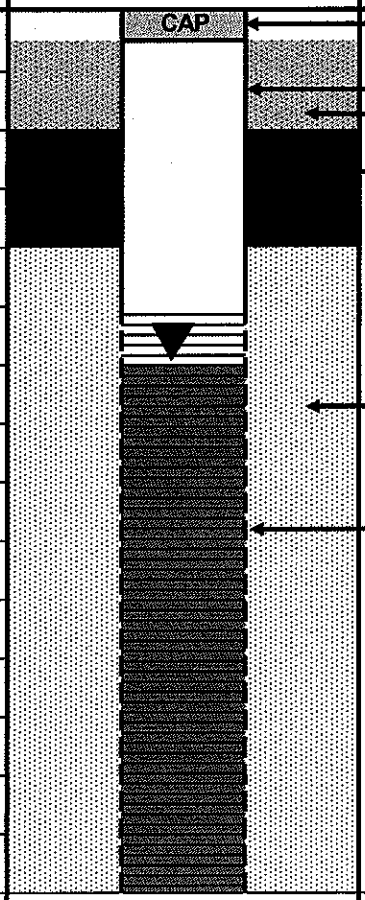
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-5
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	Start	Finish
Driller:	General Borings, Inc.	Time: 7:30	Time: 9:15
Weather:	45° F, Sunny	Date: 02-17-05	Date: 02-17-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
3		Backfill from 0.7' to 2'
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 9' below grade during soil sampling. Stabilized at 5.51 feet below grade (taken on 4/4/2005.)

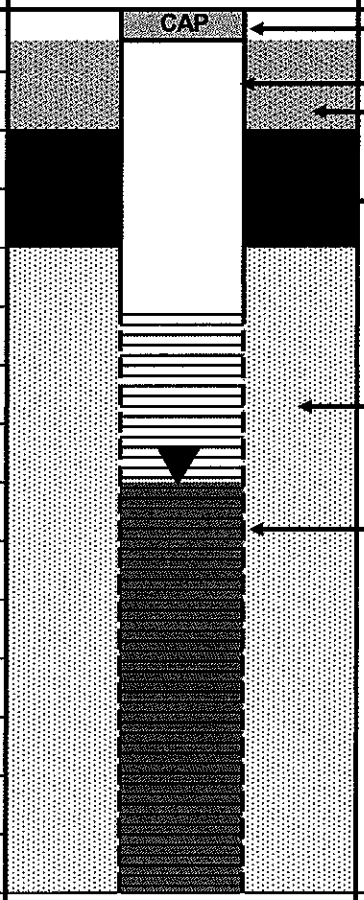
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-6
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Start**	**Finish**
Driller:	General Borings, Inc.	Time: 9:50	Time: 10:45
Weather:	45° F, Sunny	Date: 02-16-05	Date: 02-16-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
3		Backfill from 0.7' to 2'
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 7.87 feet below grade with 0.38 feet of LNAPL product (taken on 3/3/2005).

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-7
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Start**	**Finish**
Driller:	General Borings, Inc.	Time: 11:30	Time: 12:30
Weather:	35° F, Sunny	Date: 02-17-05	Date: 02-17-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
		Backfill from 0.7' to 2'
3		
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 5.56 feet below grade (taken on 4/4/2005.)

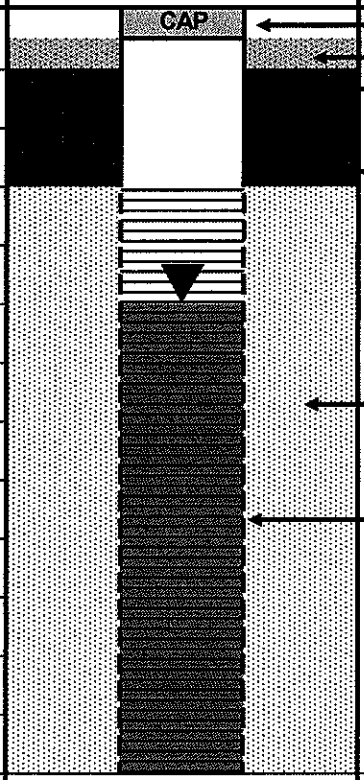
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-8
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Drilling**	
Driller:	General Borings, Inc.	**Start**	**Finish**
Weather:	35° F, Sunny	Time: 9:30	Time: 11:15
Sampler:	J. Leber	Date: 02-17-05	Date: 02-17-05

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		Backfill from 0.7' to 1'
3		2" diameter PVC riser 0.5'-3'
4		Bentonite chip seal from 1'-3'
5		
6		
7		Sand filter pack 3'-13'
8		
9		20-slot 2" diameter PVC well screen 3'-13'
10		
11		
12		
13		
14		Bottom of boring at 13' below grade.
15		
16		
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 7.5' below grade during soil sampling. Stabilized at 4.58 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-9
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	Start	Finish
Driller:	General Borings, Inc.	Time: 8:00	Time: 9:00
Weather:	50° F, Sunny	Date: 02-15-05	Date: 02-15-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
		Backfill from 0.7' to 2'
3		
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 5.75 feet below grade (taken on 4/4/2005.)

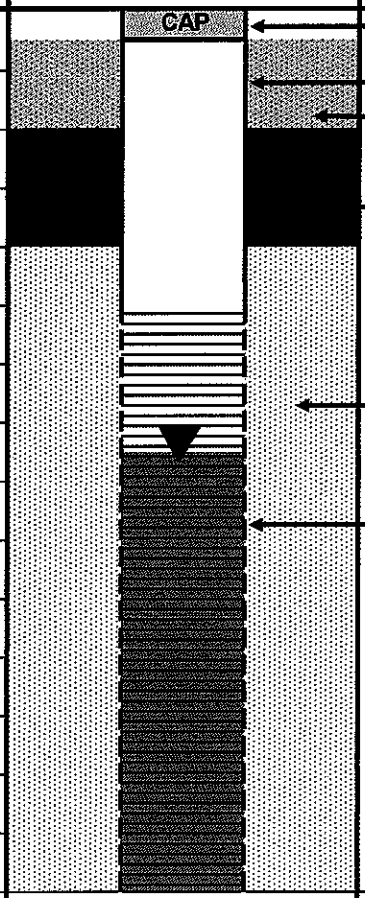
WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-10-S
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Drilling**	
Driller:	General Borings, Inc.	**Start**	**Finish**
Weather:	35° F, Overcast	Time: 8:15	Time: 9:15
Sampler:	J. Leber	Date: 02-14-05	Date: 02-14-05

Depth (feet)	Well Construction	Surface Condition: Soil
1		Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
3		Backfill from 0.7' to 2'
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 7.3 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-10-D
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	Start	Finish
Driller:	General Borings, Inc.	Time: 9:30	Time: 11:30
Weather:	35° F, Overcast	Date: 02-14-05	Date: 02-14-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-22
3		Backfill from 0.7' to 12'
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		Sand backfill 12'-18'
14		
15		
16		
17		
18		
19		Bentonite chip seal from 18'-21'
20		
21		
22		
23		20-slot 2" diameter PVC well screen 22'-27'
24		
25		Sand filter pack 21'-28'
26		
27		
28		2" diameter solid PVC sump 27-28'.
29		Bottom of boring at 28' below grade.
30		

Notes:
Groundwater encountered at approximately 8' below grade during soil sampling. Stabilized at 7.34 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-11
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Drilling**	
Driller:	General Borings, Inc.	**Start**	**Finish**
Weather:	45° F, Sunny	Time: 1:00	Time: 2:00
Sampler:	J. Leber	Date: 02-16-05	Date: 02-16-05

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-5'
		Backfill from 0.7' to 2'
3		
4		Bentonite chip seal from 2'-4'
5		
6		
7		Sand filter pack 4'-15'
8		
9		20-slot 2" diameter PVC well screen 5'-15'
10		
11		
12		
13		
14		
15		
16		Bottom of boring at 15' below grade.
17		
18		
19		
20		

Notes:
Groundwater encountered at approximately 7.5' below grade during soil sampling. Stabilized at 8.18 feet below grade (taken on 4/4/2005.)

WELL CONSTRUCTION LOG

Queens West -Parcel 9
AKRF Project Number: 10516-0002

Well No. A-13
Sheet 1 of 1

AKRF
440 Park Avenue South, New York, NY 10016
Phone (646) 388-9530 Fax (212) 726-0942

		Drilling	
Drilling Method:	Truck Mounted Rig - 3.25" H S A	**Start**	**Finish**
Driller:	General Borings, Inc.	Time: 8:00	Time: 9:45
Weather:	45° F, Sunny	Date: 02-16-05	Date: 02-16-05
Sampler:	J. Leber		

Depth (feet)	Well Construction	Surface Condition: Soil
1	CAP	Flush-mounted curb box with locking well cap
2		2" diameter PVC riser 0.5'-9'
3		Backfill from 0.7' to 5'
4		
5		
6		Bentonite chip seal from 5'-8'
7		
8		
9		Sand filter pack 8'-19'
10		
11		
12		20-slot 2" diameter PVC well screen 9'-19'
13		
14		
15		
16		
17		
18		
19		
20		Bottom of boring at 19' below grade.

Notes:
Groundwater encountered at approximately 13' below grade during soil sampling. Stabilized at 11.21 feet below grade (taken on 3/3/2005.)

APPENDIX D
WELL SAMPLING LOGS AND GROUNDWATER ELEVATIONS

Queens West - Parcel 9
Supplemental Remedial Investigation
Groundwater Surface Elevation Table

Groundwater Surface Elevation			
Well Number	**Well Casing Elevation (feet)**	**Depth to Water on 4/4/05 (feet)**	**GW Elevation (feet)**
A1-D	7.64	6.96	0.68
A2-S	7.9	6.11	1.79
A2-D	8.09	6.98	1.11
A-3	8.83	6.61	2.22
A-4S	7.46	7.07	0.39
A-4 D	7.8	7.43	0.37
A-5	9.53	5.51	4.02
A-7	8.84	5.56	3.28
A-8	8.07	4.58	3.49
A-9	8.46	5.75	2.71
A10 S	8.66	7.3	1.36
A10 D	8.42	7.34	1.08
A-11	10.14	8.18	1.96
All Elevations are relative to Queens Borough Datum			

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Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-1-S
Project Location: Queens West - Parcel 9		**Date:** 3/4/2005	
		Time: 12:15 PM	
Total Depth:	14.83 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.79 ft.	**Well Volume*:**	1.15 gal.
Water Column (WC):	7.04 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.83 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.83 ft.	**Pump intake:**	11 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
12:15	6.65	200	3.76	2.90	0.38	7.43	126	110	Start pump.
12:20	6.69	200	8.30	2,90	3.33	7.44	131	27	
12:25	7.08	200	8.42	2.88	3.68	7.50	126	12	
12:30	7.18	200	8.62	2.87	3.27	7.52	121	6.3	
12:35	7.23	200	8.40	2.86	3.23	7.55	118	4.5	
12:40	7.25	200	8.64	2.86	3.19	7.59	115	7.8	Sample collected.
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **1.5 gallons - Slight sheen and petrol odor in purge water.**

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Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-1-D
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 3:45 PM	
Total Depth:	32.2 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.61 ft.	**Well Volume*:**	
Depth to Product:	27.1 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	26.2 ft.	**Purging Device (pump type):**	Whale Pump
Depth to bottom of screen:	31.2 ft.	**Pump intake:**	30 feet

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
3:45	-	-	-	-	-	-	-	-	DNAPL Sample collected
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **DNAPL product sampled. No water was purged or sampled.**

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Well Sampling Log

Sheet: of:

Job No: 10516
Project Location: Queens West - Parcel 9

Sampled By: JL/FP
Date: 3/4/2005
Time: 10:40 AM

Well No: A-2-S

Total Depth:	14.54 ft.	(below Top of Casing)	
Depth to Water:	7.21 ft.		
Water Column (WC):	7.33 ft.		
Depth to top of screen:	4.54 ft.		
Depth to bottom of screen:	14.54 ft.		

Well Diameter:	2 in.
Well Volume*:	1.19 gal.
*= 0.163 * WC for 2" wells	
Purging Device (pump type):	QED Low Flow Pump
Pump intake:	11 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:40	7.18	150	9.12	1.77	3.89	7.23	53	out of range	Start pump.
10:45	7.41	150	9.00	1.92	3.53	7.00	67	out of range	
10:50	7.61	150	8.91	1.97	4.26	7.02	73	700	
10:55	7.69	150	8.95	1.95	4.20	7.03	79	400	
11:00	7.78	150	9.10	1.92	4.63	7.02	83	150	
11:05	7.8	150	8.74	1.92	4.67	7.05	86	90	
11:10	7.83	150	9.27	1.9	4.9	7.04	87	55	
11:20	7.85	150	9.41	1.89	4.85	7.03	88	45	
11:25	7.91	150	9.15	1.88	4.83	7.03	90	37	Sample collected.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: 3 gallons

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Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-2-D
Project Location: Queens West - Parcel 9		**Date:** 3/4/2005	
		Time: 12:15 PM	
Total Depth:	23.58 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.99 ft.	**Well Volume*:**	2.54 gal.
Water Column (WC):	15.59 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	17.58 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	22.58 ft.	**Pump intake:**	20 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
9:00	8.08	75	8.67	1.76	3.00	6.75	92	out of range	Start pump.
9:05	8.33	250	11.40	1.84	0.60	6.93	52	out of range	Speed pump
9:10	8.32	150	11.39	1.85	0.41	6.95	43	out of range	Slow pump.
9:15	8.28	150	11.27	1.84	0.37	6.93	39	550	
9:25	8.27	150	11.66	1.84	0.30	6.93	34	310	
9:30	8.27	150	11.51	1.84	0.29	6.93	33	160	
9:35	8.25	150	11.62	1.83	0.27	6,92	31	100	
9:40	8.26	150	11.37	1.83	0.25	6.91	30	75	
9:45	8.28	150	11.60	1.83	0.20	6.90	29	60	
9:50	8.22	150	11.55	1.84	0.23	6.89	29	50	
9:55		150	11.47	1.83	0.22	6.89	29	45	Sample collected.
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **4 gallons - Slight petrol odor in purge water.**

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-3
Project Location: Queens West - Parcel 9		**Date:** 3/1/2005	
		Time: 10:15 AM	
Total Depth:	14.25 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.71 ft.	**Well Volume*:**	1.07 gal.
Water Column (WC):	6.54 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.25 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.25 ft.	**Pump intake:**	11.5 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:25	8.1	150	10.29	1.58	0.75	7.06	36	976	Start pump.
10:30	8.3	200	10.62	1.59	0.50	7.08	36	364	
10:35	8.45	200	10.47	1.60	0.39	7.07	33	222	
10:40	8.28	200	9.42	1.60	0.23	7.07	32	135	
10:45	8.3	200	10.46	1.61	0.25	7.02	34	116	
10:50	8.3	200	10.56	1.60	0.25	7.08	32	88.4	
10:55	8.45	200	10.59	1.60	0.23	7.06	32	59.7	
11:00	8.45	200	10.62	1.60	0.21	7.08	32	47.8	Sample collected
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **4 gallons. Slight sheen on purge water.**

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-4-S
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 12:15 PM	
Total Depth:	15.02 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	5.14 ft.	**Well Volume*:**	1.61 gal.
Water Column (WC):	9.88 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	5.02 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	15.02 ft.	**Pump intake:**	10 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
12:20	5.1	200	5.65	0.92	5.93	7.67	109	120	Start pump.
12:25	5.22	200	6.68	0.81	3.18	7.40	156	100	
12:30	5.61	200	6.79	0.86	3.82	7.36	159	55	
12:35	5.82	200	6.27	0.87	3.86	7.32	153	34	
12:40	5.82	200	6.74	0.91	3.65	7.26	142	23	
12:45	5.91	200	6.88	0.94	3.51	7.27	134	18	
12:50	5.91	200	6.91	0.95	3.49	7.27	131	18	
12:55	5.91	200	6.96	0.964	3.38	7.26	127	19	
13:00	5.93	200	6.95	0.976	3.42	7.24	125	18	Sample collected.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **3.5 gallons - Petrol odor in purge water.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 2

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-4-D
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 10:45 AM	
Total Depth:	24.65 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.88 ft.	**Well Volume*:**	2.73 gal.
Water Column (WC):	16.77 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	18.65 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	23.65 ft.	**Pump intake:**	20 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
9:30	9.28	200	8.38	1.33	3.29	7.02	212	260	Start pump
9:35	10.33	40	9.86	1.32	4.88	7.30	196	360	Slow pump
9:40	10.55	75	9.15	1.29	3.88	7.26	193	out of range	Slow pump
9:50	10.95	100	9.69	1.33	3.34	7.23	107	650	
9:55	11.22	100	10.49	1.34	3.13	7.26	80	600	
10:00	11.59	100	10.18	1.36	3.07	7.29	82	370	
10:05	11.73	100	10.66	1.37	2.45	7.23	77	550	
10:10	11.91	100	10.81	1.37	2.78	7.25	75	370	Slow pump
10:20	11.81	75	10.77	1.39	1.85	7.18	72	310	
10:30	11.69	75	10.69	1.40	2.02	7.18	68	220	
10:35	11.71	75	10.82	1.42	2.06	7.19	68	270	
10:40	11.76	75	10.33	1.44	1.96	7.17	66	310	
10:45	11.72	75	10.75	1.43	2.03	7.18	65	260	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged:

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 2 of: 2

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-4-D
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 10:45 AM	
Total Depth:	24.65 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	11.75 ft.	**Well Volume*:**	2.10 gal.
Water Column (WC):	12.9 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	18.65 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	23.65 ft.	**Pump intake:**	20 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:55	11.75	75	11.28	1.43	2.06	7.17	64	200	
11:00	11.82	75	10.86	1.44	2.07	7.16	64	250	
11:10	11.81	75	11.32	1.44	1.98	7.15	62	140	
11:15	11.72	75	11.57	1.44	2.08	7.16	62	120	
11:20	11.96	75	10.79	1.45	2.16	7.17	63	110	
11:25	12.05	75	10.77	1.44	2.34	7.17	63	110	
11:30	12.11	75	10.9	1.45	2.40	7.18	63	80	Sample collected after 2 hours of purging
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than

Total Volume Purged: **5.5 gallons - Strong petrol odor in purge water.**

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-5
Project Location: Queens West - Parcel 9		**Date:** 3/2/2005	
		Time: 9:45 AM	
Total Depth:	14.18 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	6.62 ft.	**Well Volume*:**	1.23 gal.
Water Column (WC):	7.56 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.18 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.18 ft.	**Pump intake:**	10.5 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
10:00	6.63	200	8.26	1.20	4.34	7.22	143	20.7	Start pump.
10:05	6.71	100	8.43	1.20	4.59	7.18	152	20.8	
10:10	6.78	100	8.64	1.20	4.81	7.18	159	10.8	
10:15	6.78	100	8.61	1.20	4.80	7.18	163	6.3	Sample collected
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: 1 gallon

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-6
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 3:00 PM	
Thickness of Product:	0.38 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.87 ft.	**Well Volume*:**	
Depth to Product:	7.49 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	ft.	**Purging Device (pump type):**	Bailer
Depth to bottom of screen:	ft.	**Pump intake:**	

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
3:10	-	-	-	-	-	-	-	-	LNAPL Sample collected
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **LNAPL product sampled. No water was purged or sampled.**

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-7
Project Location: Queens West - Parcel 9		**Date:** 3/2/2005	
		Time: 10:50 AM	
Total Depth:	13.88 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.4 ft.	**Well Volume*:**	1.06 gal.
Water Column (WC):	6.48 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	3.88 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	13.88 ft.	**Pump intake:**	10.5 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
11:10	6.98	75	9.44	1.36	2.61	7.09	70	203	Start pump.
11:15	7.32	200	10.82	1.37	1.50	6.94	78	60.2	Speed pump
11:20	7.59	200	10.57	1.38	2.12	7.01	80	56	
11:25	7.7	200	10.66	1.37	2.32	6.98	82	27.4	
11:30	7.7	200	10.97	1.36	2.47	6.99	86	24.4	
11:35	7.71	200	10.99	1.35	2.58	6.98	89	15.4	Sample collected
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: 2 gallons

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-8
Project Location: Queens West - Parcel 9		**Date:** 3/2/2005	
		Time: 8:30 AM	
Total Depth:	12.7 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	6.26 ft.	**Well Volume*:**	1.05 gal.
Water Column (WC):	6.44 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	2.7 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	12.7 ft.	**Pump intake:**	9 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
8:55	6.26	200	8.69	1.44	7.01	7.16	57	8.93	Start pump.
9:00	6.32	200	10.30	1.44	1.51	7.58	138	14.3	
9:05	6.34	200	10.30	1.45	1.76	7.58	131	18	
9:10	6.34	200	10.26	1.45	2.04	7.59	129	8.3	
9:15	6.35	200	10.22	1.45	2.08	7.59	128	7.8	
9:20	6.38	200	10.26	1.45	2.15	7.62	127	10.9	Sample collected
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **2.5 gallons**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-9
Project Location: Queens West - Parcel 9		**Date:** 3/2/2005	
		Time: 3:30 PM	
Total Depth:	14.81 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.22 ft.	**Well Volume*:**	1.24 gal.
Water Column (WC):	7.59 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.81 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.81 ft.	**Pump intake:**	11 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
3:40	7.73	220	8.62	1.28	5.18	7.14	74	4.64	Start pump.
3:45	7.86	220	9.45	1.27	2.89	7.11	90	29.6	
3:50	7.95	220	9.73	1.27	1.81	7.06	93	26.1	Slow pump
3:55	7.91	150	8.62	1.26	0.78	6.98	91	45	
4:00	8.1	150	9.23	1.23	0.98	7.01	87	37.5	
4:05	probe stuck on tubing, cannot lower further	150	9.32	1.21	0.50	6.99	83	28.8	
4:10		150	9.33	1.2	0.43	6.99	81	39.7	
4:15		150	9.18	1.2	0.41	6.9	78	22	Sample collected
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **2.5 gallons, Strong petrol odor and slight sheen on purge water.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-10-S
Project Location: Queens West - Parcel 9		**Date:** 3/1/2005	
		Time: 12:30 PM	
Total Depth:	14.7 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.94 ft.	**Well Volume*:**	1.10 gal.
Water Column (WC):	6.76 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.7 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.7 ft.	**Pump intake:**	11 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
12:45	7.94	230	9.44	1.56	4.52	6.71	79	227	Start pump.
12:50	8.21	200	10.80	1.52	1.31	6.82	55	291	Slow pump
12:55	8.15	100	10.67	1.49	1.54	6.90	41	170	
1:00	8.11	100	10.90	1.46	0.80	6.91	36	114	
1:05	8.14	100	10.76	1.43	0.84	6.91	35	78.4	
1:10	8.11	100	10.56	1.43	0.69	6.91	35	52	
1:15	8.14	100	10.73	1.41	0.59	6.92	32	39.2	
1:20	8.14	100	10.93	1.41	0.61	6.94	29	32.4	
1:25	8.14	100	10.87	1.40	0.53	6.95	29	29.3	
1:30	--	--	--	--	--	--	--	--	Sample collected
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **3 gallons, Petrol odor and slight sheen on purge water.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 1 of: 2

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-10-D
Project Location: Queens West - Parcel 9		**Date:** 3/1/2005	
		Time: 2:20 PM	
Total Depth:	**28.3 ft.** (below Top of Casing)	**Well Diameter:**	**2 in.**
Depth to Water:	**7.91 ft.**	**Well Volume*:**	**3.32 gal.**
Water Column (WC):	**20.39 ft.**	*= 0.163 * WC for 2" wells	
Depth to top of screen:	**22.3 ft.**	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	**27.3 ft.**	**Pump intake:**	**26 ft. bgs**

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
2:30	7.6	250	8.92	1.03	4.62	7.19	111	93.7	Start pump.
2:35	9.25	200	12.64	1.02	1.62	7.03	110	125	Slow pump
2:40	8.42	50	8.52	1.02	0.46	7.06	109	162	Speed pump
2:45	8.72	150	12.27	1.02	0.43	7.09	98	233	
2:50	8.95	150	12.31	1.03	0.31	7.12	95	140	Slow pump
2:55	8.52	100	10.81	1.05	0.44	7.11	94	150	
3:00	8.53	100	10.95	1.06	0.49	7.11	93	130	
3:05	8.49	100	10.78	1.07	0.28	7.09	93	120	
3:10	8.42	100	11.22	1.07	0.20	7.14	88	110	
3:15	8.45	100	11.21	1.09	0.18	7.14	86	95	
3:20	8.49	100	11.08	2.10	0.27	7.14	86	90	
3:30	8.48	100	11.15	1.13	0.15	7.14	83	95	
3:35	8.51	100	11.38	1.14	0.18	7.2	77	55	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: 2 of: 2

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-10-D
Project Location: Queens West - Parcel 9		**Date:** 3/1/2005	
		Time: 2:20 PM	
Total Depth:	28.3 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	7.91 ft.	**Well Volume*:**	3.32 gal.
Water Column (WC):	20.39 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	22.3 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	27.3 ft.	**Pump intake:**	26 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
3:40	8.52	100	11.56	1.15	0.14	7.20	77	50	
3:45	8.53	100	11.54	1.18	0.12	7.20	73	40	Sample collected
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than

Total Volume Purged: **4 gallons - Strong petrol odor in purge water.**

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-11
Project Location: Queens West - Parcel 9		**Date:** 3/2/2005	
		Time: 1:30 PM	
Total Depth:	14.58 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	8.64 ft.	**Well Volume*:**	0.97 gal.
Water Column (WC):	5.94 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	4.58 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	14.58 ft.	**Pump intake:**	12 ft. bgs

Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
1:35	8.58	220	9.49	1.57	3.41	7.53	73	301	Start pump.
1:40	8.82	200	9.80	1.45	1.60	7.35	76	59.5	Slow pump
1:45	8.95	200	9.74	1.52	1.24	7.34	57	19.7	
1:50	8.95	200	9.86	1.52	0.90	7.39	27	16	
1:55	8.96	200	9.89	1.52	0.77	7.42	17	14.9	
2:00	8.95	200	9.97	1.50	0.62	7.42	7	14.3	
2:05	9.01	200	10.05	1.53	0.55	7.44	6	9.33	Sample collected.
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: **2.5 gallons, Slight petrol odor on purge water.**

AKRF, Inc.
Environmental Consultants

Well Sampling Log

Sheet: of:

Job No: 10516		**Sampled By:** JL/FP	**Well No:** A-13
Project Location: Queens West - Parcel 9		**Date:** 3/3/2005	
		Time: 1:50 PM	
Total Depth:	17.7 ft. (below Top of Casing)	**Well Diameter:**	2 in.
Depth to Water:	11.21 ft.	**Well Volume*:**	1.06 gal.
Water Column (WC):	6.49 ft.	*= 0.163 * WC for 2" wells	
Depth to top of screen:	7.7 ft.	**Purging Device (pump type):**	QED Low Flow Pump
Depth to bottom of screen:	17.7 ft.	**Pump intake:**	15 ft. bgs

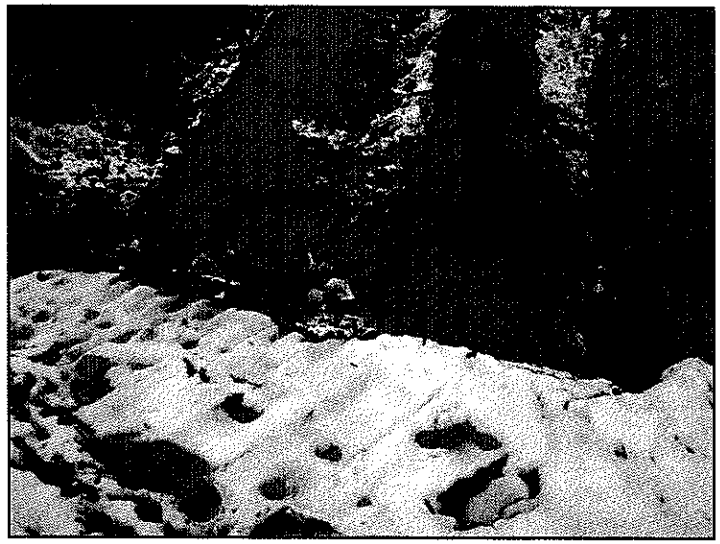
Time	Depth to Water (Ft.)	Purge Rate (mL/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Tubidity (NTU)	Comments
1:50	11.18	150	6.54	1.98	2.99	6.70	107	70	Start pump.
1:55	11.42	100	8.85	2.00	0.76	6.71	96	50	Slow pump.
2:00	11.49	100	9.13	1.99	0.68	6.73	93	31	
2:05	11.62	100	9.16	1.99	0.65	6.75	89	20	
2:10	11.68	100	9.39	1.99	0.59	6.73	89	18	Sample collected.
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU, sample will be collected after 2 hours of purging.

Total Volume Purged: 1 gallon

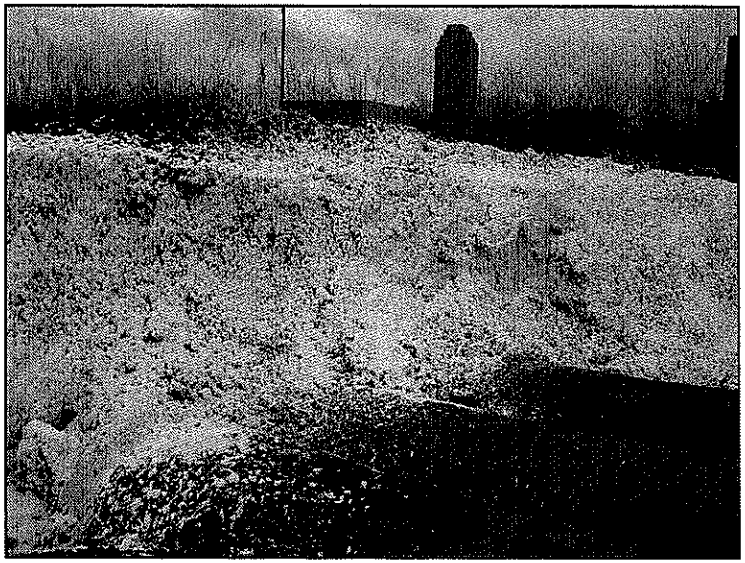
APPENDIX E
TANK REMOVAL PHOTOGRAPHS



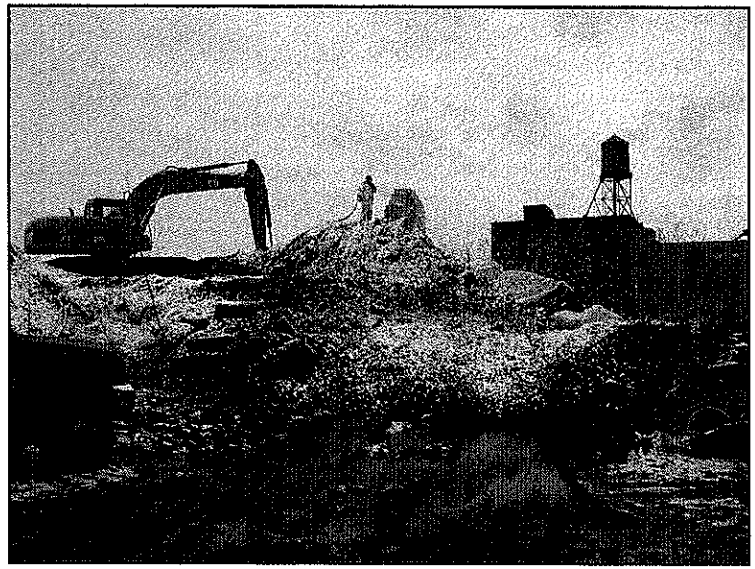
Photograph 1. Tops of the three tanks exposed (3/24/05).



Photograph 2. Vacuum truck pumping out tanks (3/24/05).



Photograph 3. Foam applied to sides of soil pile located above the grade of the tanks (3/24/05).



Photograph 4. Foam applied to soil pile of clean soil removed from top of the tanks (3/24/05).



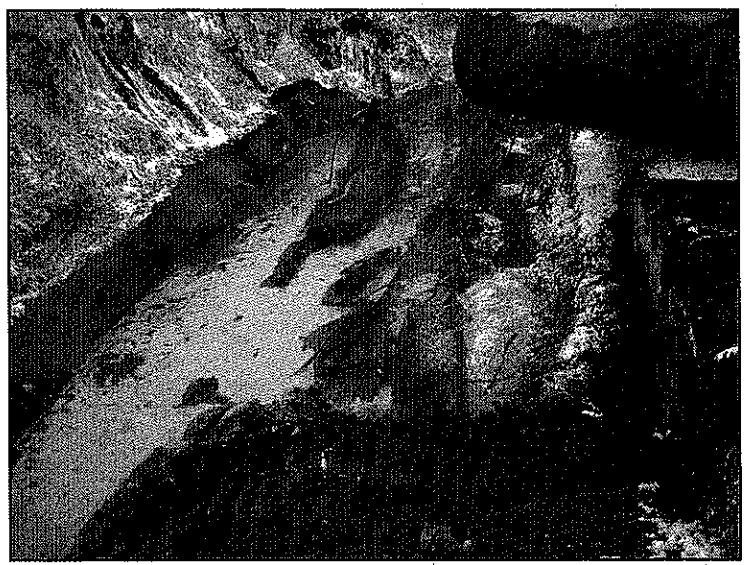
Photograph 5. Foam applied on water beneath tank as first tank is removed (3/25/05).



Photograph 6. Spraying Biosolve in area above the tank excavation. (3/25/05)



Photograph 7. Spraying foam in the area as the tanks are removed (3/25/05).



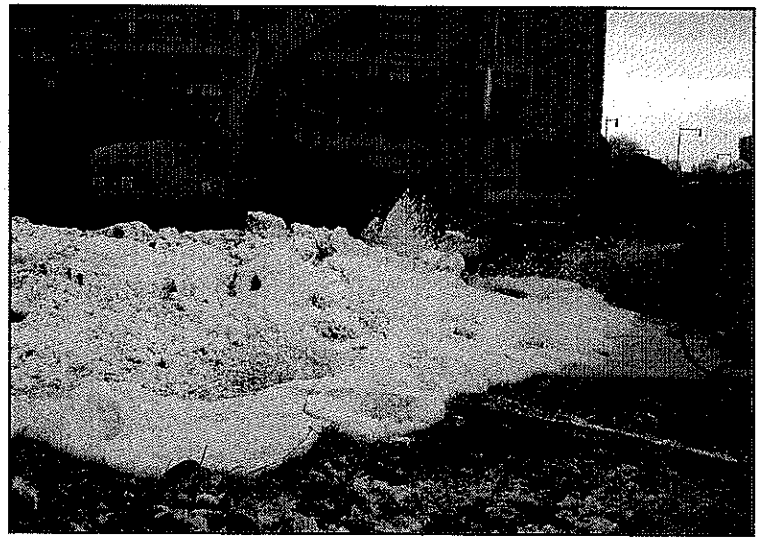
Photograph 8. Concrete vault and structures as three tanks are removed (3/25/05).



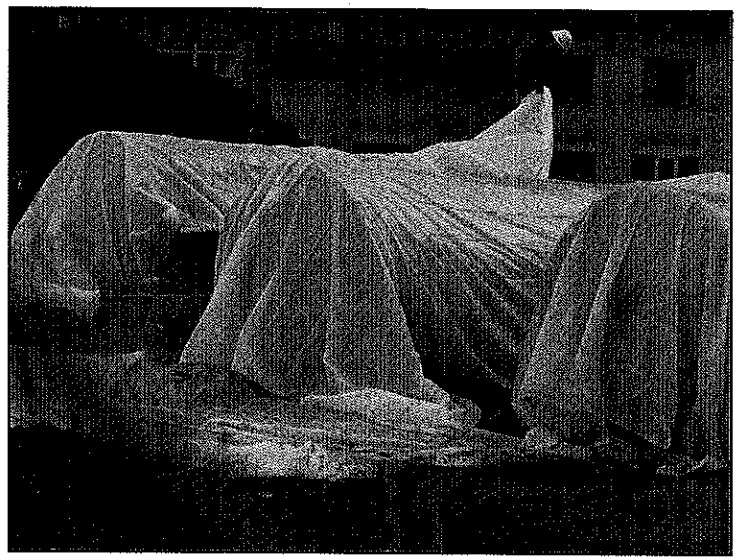
Photograph 9. Cleaning the tanks over sheeting and putting the contents in drums (3/25/05).



Photograph 6. Removed all soil from the tank vault up to concrete bottom and side walls (3/25/05).



Photograph 11. Soil removed from the tank fault sprayed with foam (3/25/05).



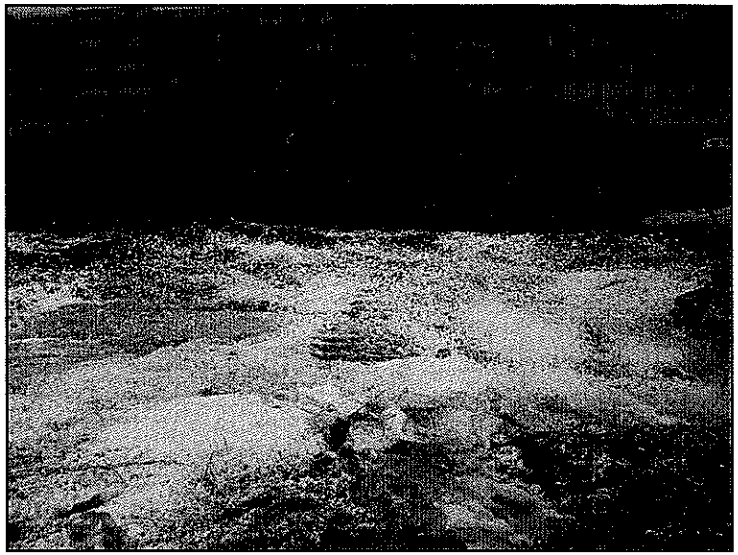
Photograph 12. Placing plastic sheeting over tanks (and over stockpiled soil) at then end of the day (3/25/05).



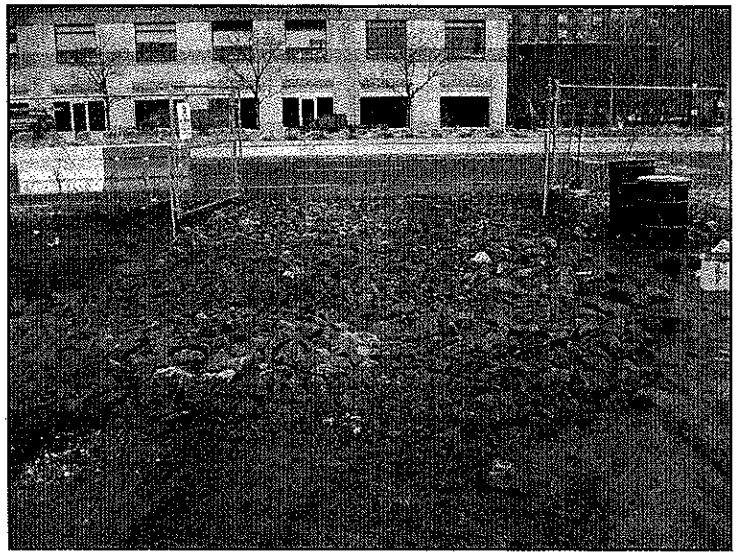
Photograph 13. Foam sprayed on area of test pit excavation after backfilling (3/28/05).



Photograph 14. Spraying foam continuously on stockpiled soil as it is removed onto trucks (3/29/05).



Photograph 15. The stockpile removed and foam applied to the surface (3/29/05).



Photograph 12. Constructed gravel bed entrance (3/29/05).

APPENDIX F
META LABORATORIES FORENSIC ANALYSIS REPORT

Environmental Forensic Report



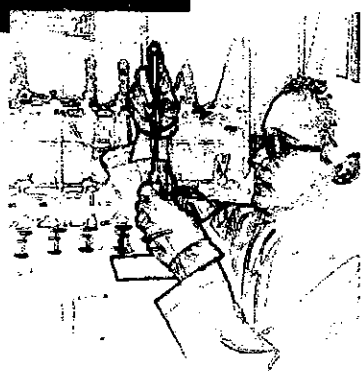
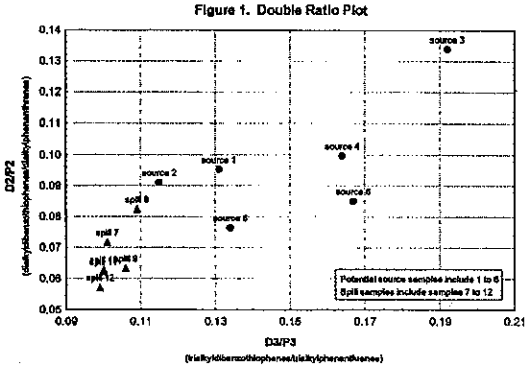


Figure 1. Double Ratio Plot



Blau Gas Site

SDG: AI050310

Report To:

AKRF, Inc.
440 Park Avenue South
New York, NY 10016

Report By:

META Environmental, Inc.
49 Clarendon Street
Watertown, MA 02472

March 29, 2005

Identifying and allocating sources of pollutants in complex environments.

META Environmental, Inc.
ENGINEERING & CHEMISTRY

Final Laboratory Report

META Environmental, Inc.
49 Clarendon Street
Watertown, MA 02472

Phone: 617-923-4662
Fax: 617-923-4610
e-Mail: meta@metaenv.com

Certification

This certifies that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed herein. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director and Quality Assurance Officer, as verified by the following signatures.

James A Roush — 03/30/2005

James Roush
Laboratory Manager, META Environmental, Inc.
Date

David M Mauro — 3/30/05

David M. Mauro
Quality Assurance Officer, META Environmental, Inc.
Date

Sample Delivery Group Narrative

Project: AKRF – Blaugas

Client: AKRF Inc.
440 Park Avenue South
New York, NY 10016

Report Contact: Dr. Andy Rudko

Date of Receipt: 3/10/05

Sample Summary:

The samples received for this project are summarized in the attached sample login forms.

SDG Numbers: AI050310

META Project Number: A07009

Chain of Custody

Samples were received in good condition. The internal temperatures of the shipment containers were as follows:

Samples received 3/10/05 10.5°C

Internal chain of custody procedures were followed after sample receipt. Samples were stored in a locked refrigerator. A sample custody logbook contains the record of sample removal from the secure sample storage area to the sample preparation laboratory. The custody record for the sample extracts is present on the sample extraction logbook page.

The disposal of samples and extracts will be authorized 1 month after the release of this data report. Sample disposal will be documented.

Methods

An aliquot of each NAPL sample was diluted in dichloromethane (EPA Method 3580). Each extract was spiked with internal standard and analyzed by GC/FID (EPA 8100 mod.) and GC/MS (EPA 8260/8270 mod.).

Results

Sample results were presented in summary forms (CLP Form 1 equivalent) which follow this narrative.

Quality Control

Analyte Flags

The reporting limits were determined as the sample equivalent of the lowest linear initial calibration standard for each compound. Analytes measured between 50% and 100% of the lowest standard were reported as "estimated" and flagged with the letter "J." No value was reported above the calibration range. Undetected analytes were flagged with the letter, "U." Analytes marked with a "B" were detected in the associated blank and should be reviewed for a possible positive bias. No deviations were thought significant enough to compromise the integrity of the reported values.

Holding Times

All samples were extracted within holding times. All samples and extracts were stored at 4°C ± 2°C prior to extraction and analysis. All extracts were analyzed within 40 days of sample preparation.

Surrogate Spikes

Extraction surrogates were added to all samples prior to extraction. Recoveries and QC limits for all surrogates are reported with the sample results. All surrogate recoveries were within QC criteria with the following exceptions. p-Terphenyl-d14 was over-recovered in the method blank, and Toluene-d8, Nitrobenzene and 2,4,6-Tribromophenol were over-recovered in sample AI050310-01. All over-recoveries were just outside the 50%-120% recovery window; the highest being 123%. These exceedances are likely due to matrix interference, and do not compromise the data quality

Blanks

No target analytes were present above the detection limit in the method blank.

Interpretation

Sample A-6
This sample contained both pyrogenic and petrogenic substances (see definitions). The GC/FID fingerprint and the ratios of selected PAHs (Table 1, Figure 1, and Figure 2) suggest that the pyrogenic material is from a relatively low temperature process such as a former manufactured gas plant (MGP). The apparently depleted naphthalenes relative to phenanthrene indicate that the pyrogenic material is moderately weathered.

The petrogenic constituent is indicated by the broad unresolved complex mixture (UCM) from about 15 minutes to about 40 minutes in the GC/FID chromatogram and by the presence of isoprenoid hydrocarbons and alkylcyclohexanes in the GC/MS EICs (Appendix E). The data suggest that the petrogenic material is degraded fuel oil, such as No. 4 fuel oil.

Sample A-6 also contained a large cluster of peaks eluting from about 4 minutes to about 12 minutes. Examination of the mass spectra indicate that the peaks are a mixture of alkanes, alkylcyclohexanes, and alkylated benzenes. The composition is similar to some hydrocarbon solvents and specialty products, such as charcoal starter; however, the chemical pattern did not match any materials in META's library.

Sample A-1-D
The sample contained a pyrogenic substance (see definitions). The GC/FID fingerprint and the ratios of selected PAHs (Table 1, Figure 1, and Figure 2) suggest that the pyrogenic material is coal tar or creosote.

There were no indications of petrogenic (see definitions) or other non-pyrogenic substances present in the data.

Summary
Both samples contained pyrogenic materials. The chemical patterns and ratios indicate that the pyrogenic materials in the two samples originated from different sources.

Definitions

Pyrogenic substances are complex mixtures of primarily hydrocarbons produced from organic matter subjected to high temperatures but with insufficient oxygen for complete combustion. Pyrogenic materials are produced by fires, internal combustion engines, and furnaces. They also are formed when coke or gas are produced from coal or oil. Coal-tar based products, such as

roofing, pavement sealers, waterproofing, pesticides, and some shampoos contain pyrogenic materials.

Petrogenic substances include crude oil and crude oil derivatives such as gasoline, heating oil, and asphalt.

References

1 "Chemical Source Attribution at Former MGP Sites," EPRI Report 1000728, December 2000.

Table 1
Source and Weathering Ratios

Sample	Fl/Py	D/F	C17/Pris	C18/Phy	Pris/Phy	C3D/C3PA	C2D/C2PA
A-6	0.853	0.494	NA	NA	1.397	0.403	0.239
A-1-D	1.395	1.025	2.534	7.786	3.153	0.216	0.136

Ratios:

Fl/Py	fluoranthene/pyrene
D/F	dibenzofuran/fluorene
C17/Pris	septadecane/pristane
C18/Phy	octadecane/phytane
Pris/Phy	pristane/phytane
C3D/C3PA	trialkyldibenzothiophenes/trialkylphenanthrenes/anthracenes
C2D/C2PA	dialkyldibenzothiophenes/dialkylphenanthrenes/anthracenes

Appendix A
Chains of Custody

CHAIN OF CUSTODY RECORD

PROJECT NAME Queens West Parcel 9
COMPANY AKRF, Inc.
ADDRESS 440 Park Ave. South, New York, NY 10016
PHONE 646-388-9526 FAX 212-726-0942
EMAIL andy_rudko@akrf.com
SAMPLED BY Jessica Leber (Print Name) (Signature)
(Print Name) (Signature)
(Print Name) (Signature)

META Environmental, Inc.
ENGINEERING & CHEMISTRY
49 Cla[illegible]on Street
Watertown, MA 02472
TEL: (617) 923-4662
FAX: (617) 923-4610
WWW.METAENV.COM

												Toxicity Analysis	COMMENTS
3/3/05	3:20		A-6	1L		✓	1	LNAPL	None	✓			AK05031O-01
3/3/05	3:45		A-1-D	1L		✓	1	DNAPL	None	✓			I ↓ -02

Relinquished by	Date/Time	Relinquished by	Date/Time	Relinquished by	Date/Time
	3/7/05, 11:30				
Received by	**Date/Time**	**Received by**	**Date/Time**	**Received for Laboratory by**	**Date/Time**
				Dinsy Purhanu	03/10/05

Method of Shipment: FedEx

Remarks:

Temp. 10.5 °C

META ENVIRONMENTAL SAMPLE RECEIPT

Lab ID	Field ID	Matrix	Prep Method	Cleanup Method	Analysis Method	Date Sampled	Date Received	Client/ Project	Container/ Storage	Comments/Logged
AI050310-01	A-6	LNAPL	2512		4007/4014	3/3/2005	3/10/2005	A07009-60	1L. Amber jar	
AI050310-02	A-1-D	DNAPL	2512		4007/4014	3/3/2005	3/10/2005	A07009-60	1L. Amber jar	

Logged By: DB

Date: 03/11/05

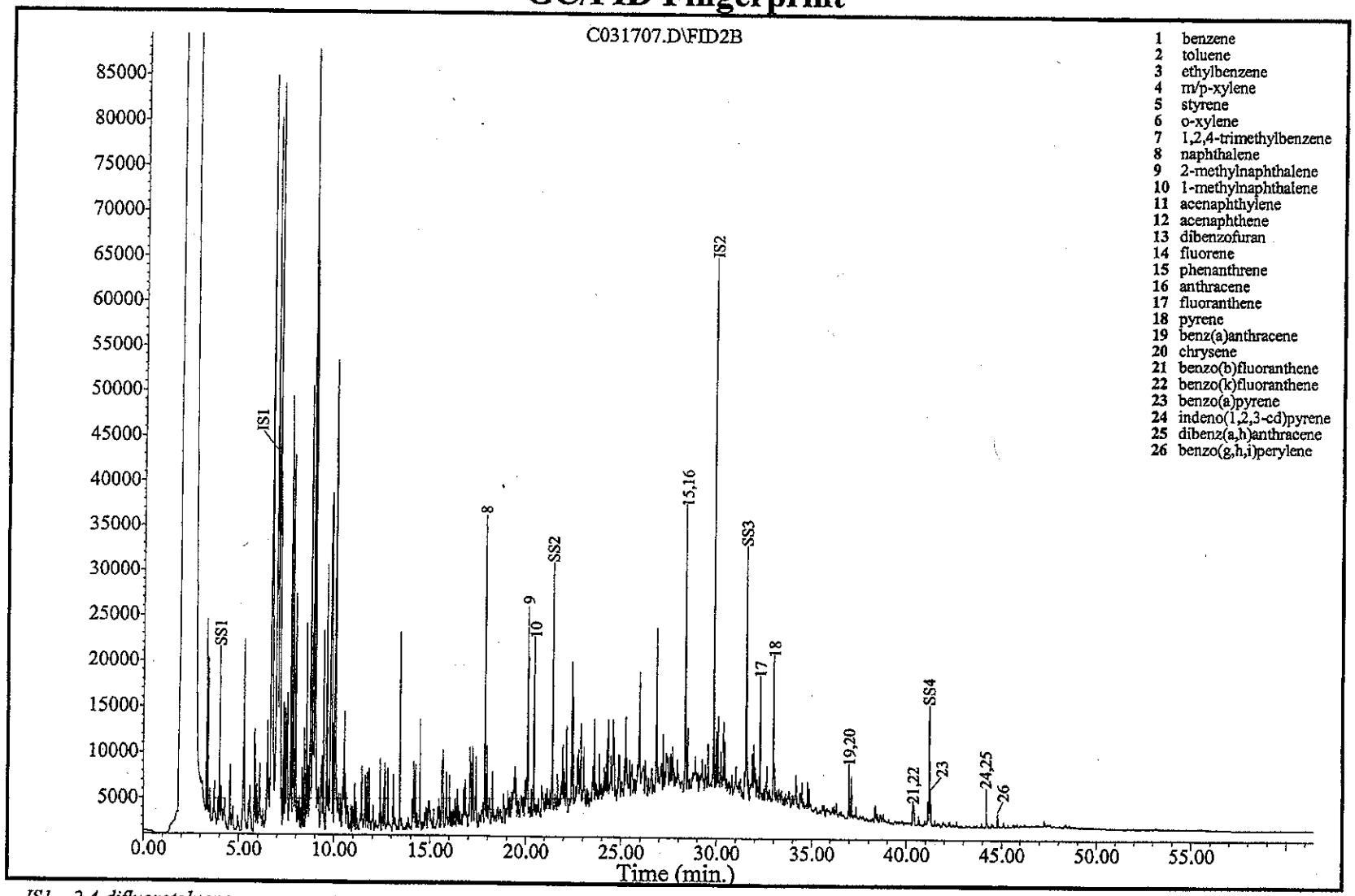
Reviewed By: DM

Date: 3/11/05

Appendix B

GC/FID Fingerprints

GC/FID Fingerprint



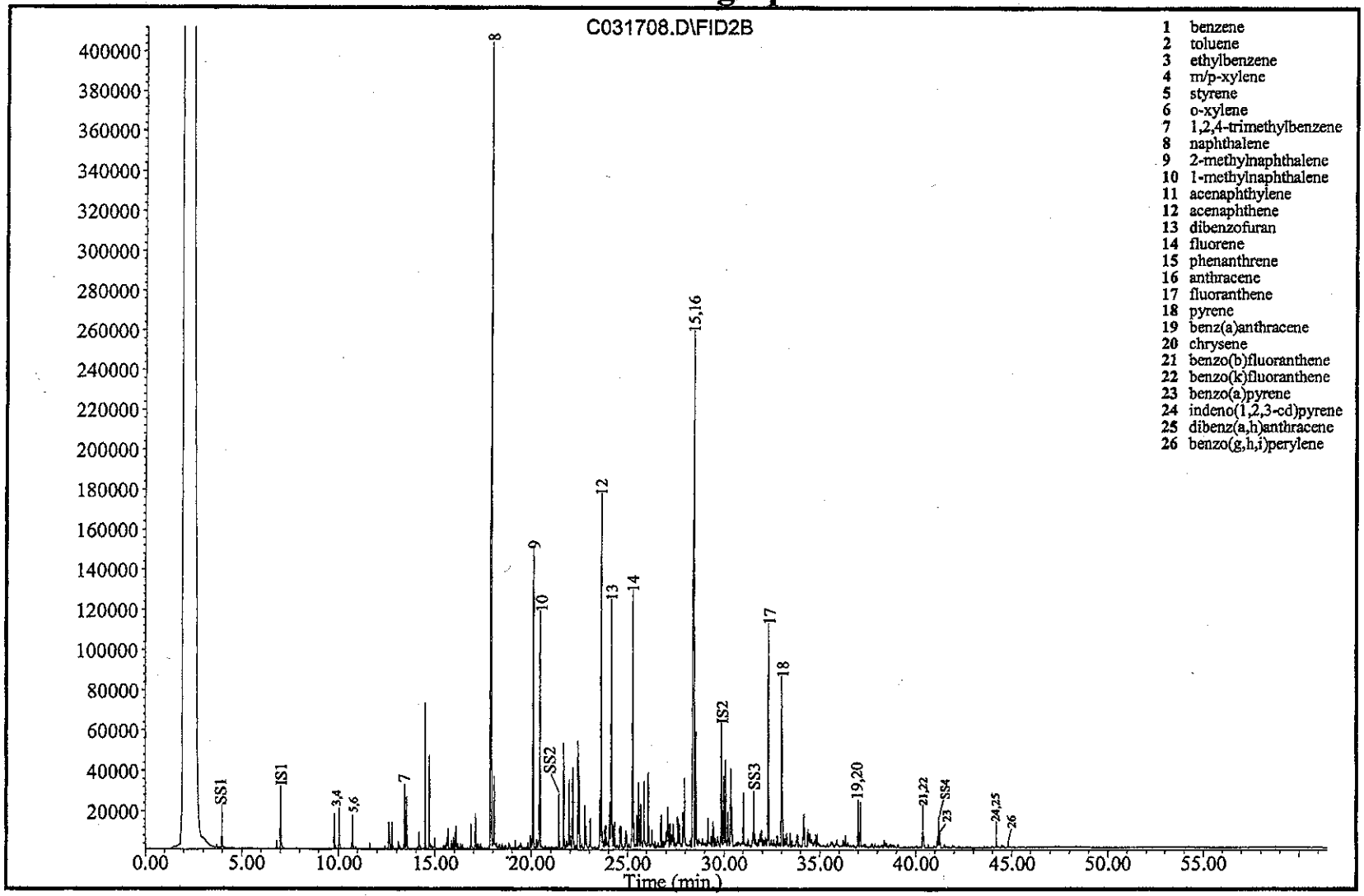
IS1 – 2,4-difluorotoluene
IS2 – o-terphenyl
SS1 – fluorobenzene
SS2 – 2-fluorobiphenyl
SS3 – 5a-androstane
SS4 – benzo(a)pyrene-d12

Field ID:	A-6
Laboratory ID:	AI050310-01
Method:	EPA 8100 mod.

AI050310.ppt

META

GC/FID Fingerprint



IS1 – 2,4-difluorotoluene
IS2 – o-terphenyl
SS1 – fluorobenzene
SS2 – 2-fluorobiphenyl
SS3 – 5a-androstane
SS4 – benzo(a)pyrene-d12

Field ID:	A-1-D
Laboratory ID:	AI050310-02
Method:	EPA 8100 mod.

META

Appendix C

VOC/SVOC

Concentrations

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-6

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-01		
File ID:	E032119.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0104
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
cis-1,2-Dichloroethene		U	96.2	48.1	
2,2-Dichloropropane		U	96.2	48.1	
Chloroform	157	B	96.2	48.1	
1,1,1-Trichloroethane		U	96.2	48.1	
1,2-Dichloroethane		U	96.2	48.1	
1,1-Dichloropropene		U	96.2	48.1	
Benzene	320		96.2	48.1	
C1-Benzene	190		96.2	48.1	
C2-Benzene	19,100		96.2	48.1	
C3-Benzene	12,600		96.2	48.1	
C4-Benzene	8,330		96.2	48.1	
C5-Benzene	3,620		96.2	48.1	
Carbon Tetrachloride		U	96.2	48.1	
1,2-Dichloropropane		U	96.2	48.1	
Trichloroethene		U	96.2	48.1	
Dibromomethane		U	96.2	48.1	
Bromodichloromethane		U	96.2	48.1	
Pyridine		U	96.2	48.1	
cis-1,3-Dichloropropene		U	96.2	48.1	
N-nitrosodimethylamine		U	96.2	48.1	
Toluene	186		96.2	48.1	
trans-1,3-Dichloropropene		U	96.2	48.1	
1,1,2-Trichloroethane		U	96.2	48.1	
1,3-Dichloropropane		U	96.2	48.1	
Dibromochloromethane		U	96.2	48.1	
1,2-Dibromoethane		U	96.2	48.1	
Tetrachloroethene		U	96.2	48.1	
2-Picoline		U	96.2	48.1	
N-nitrosomethylethylamine		U	96.2	48.1	
Chlorobenzene		U	96.2	48.1	
1,1,1,2-Tetrachloroethane		U	96.2	48.1	
Ethylbenzene	7,830		96.2	48.1	
m/p-Xylenes	5,720		96.2	48.1	
Bromoform		U	96.2	48.1	
Styrene	109		96.2	48.1	
o-Xylene	699		96.2	48.1	
N-nitrosodiethylamine		U	96.2	48.1	
1,1,2,2-Tetrachloroethane		BU	96.2	48.1	
1,2,3-Trichloropropane		U	96.2	48.1	
Isopropylbenzene	1,260		96.2	48.1	
Bromobenzene		U	96.2	48.1	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-6

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-01		
File ID:	E032119.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0104
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
2-Chlorotoluene		U	96.2	48.1	
Propylbenzene	1,430		96.2	48.1	
4-Chlorotoluene		U	96.2	48.1	
1,3,5-Trimethylbenzene	1,360		96.2	48.1	
Pentachloroethane		U	96.2	48.1	
tert-Butylbenzene	471		96.2	48.1	
1,2,4-Trimethylbenzene	3,570		96.2	48.1	
sec-Butylbenzene	82.1	J	96.2	48.1	
Phenol		U	96.2	48.1	
bis(2-Chloroethyl)ether		U	96.2	48.1	
Aniline		U	96.2	48.1	
2-Chlorophenol		U	96.2	48.1	
1,3-Dichlorobenzene		U	96.2	48.1	
1,4-Dichlorobenzene		U	96.2	48.1	
p-Isopropyltoluene	362		96.2	48.1	
Benzyl Alcohol	76.3	J	96.2	48.1	
2-Methylphenol (m-cresol)		U	96.2	48.1	
1,2-Dichlorobenzene		U	96.2	48.1	
3,4-Methylphenol (o,p-cresol)		U	96.2	48.1	
bis(2-chloroisopropyl)ether		U	96.2	48.1	
n-Butylbenzene	330		96.2	48.1	
N-nitroso-di-n-propylamine		U	96.2	48.1	
N-nitrosomorpholine		U	96.2	48.1	
Hexachloroethane		U	96.2	48.1	
o-Toluidine		U	96.2	48.1	
1,2-Dibromo-3-Chloropropane		U	96.2	48.1	
N-nitrosopyrrolidine		U	96.2	48.1	
N-nitrosopiperidine		U	96.2	48.1	
2-Nitrophenol		U	96.2	48.1	
2,4-Dimethylphenol		U	96.2	48.1	
bis(2-Chloroethoxy)methane		U	96.2	48.1	
2,6-Dichlorophenol		U	96.2	48.1	
1,2,4-Trichlorobenzene		U	96.2	48.1	
Naphthalene	4,970		96.2	48.1	
C1-Naphthalene	4,530		96.2	48.1	
C2-Naphthalene	5,770		96.2	48.1	
C3-Naphthalene	5,380		96.2	48.1	
C4-Naphthalene	3,140		96.2	48.1	
2,4-Dichlorophenol		U	96.2	48.1	
4-Chloroaniline		U	96.2	48.1	
Hexachloropropene		U	96.2	48.1	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-6

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-01		
File ID:	E032119.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0104
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Hexachlorobutadiene		U	96.2	48.1	
1,2,3-Trichlorobenzene		U	96.2	48.1	
N-nitrosodi-n-butylamine		U	96.2	48.1	
4-Chloro-3-methylphenol		U	96.2	48.1	
2-Methylnaphthalene	3,380		96.2	48.1	
1,2,4,5-Tetrachlorobenzene		U	96.2	48.1	
Hexachlorocyclopentadiene		U	96.2	48.1	
2,4,6-Trichlorophenol		U	96.2	48.1	
2,4,5-Trichlorophenol		U	96.2	48.1	
2-Chloronaphthalene	5,390		96.2	48.1	
2-Nitroaniline		U	96.2	48.1	
1,4-Naphthoquinone		U	96.2	48.1	
Dimethylphthalate		U	96.2	48.1	
Acenaphthylene	252		96.2	48.1	
Biphenyl	489		96.2	48.1	
3-Nitroaniline		U	96.2	48.1	
Acenaphthene	1,300		96.2	48.1	
2,4-Dinitrophenol		U	96.2	48.1	
4-Nitrophenol		U	96.2	48.1	
Dibenzofuran	691		96.2	48.1	
Pentachlorobenzene		U	96.2	48.1	
1-Aminonaphthalene		U	96.2	48.1	
2,3,4,6-Tetrachlorophenol		U	96.2	48.1	
2-Aminonaphthalene		U	96.2	48.1	
Diethylphthalate		U	96.2	48.1	
4-Chlorophenyl-phenylether		U	96.2	48.1	
Fluorene	1,400		96.2	48.1	
C1-Fluorene	1,360		96.2	48.1	
C2-Fluorene	2,010		96.2	48.1	
C3-Fluorene	1,380		96.2	48.1	
4-Nitroaniline		U	96.2	48.1	
4,6-Dinitro-2-methylphenol		U	96.2	48.1	
n-Nitrosodiphenylamine		U	96.2	48.1	
4-Bromophenyl-phenylether		U	96.2	48.1	
Hexachlorobenzene		U	96.2	48.1	
Pentachlorophenol		U	96.2	48.1	
Phenanthrene	4,230		96.2	48.1	
Anthracene	1,220		96.2	48.1	
C1-Phenanthrene/Anthracene	4,160		96.2	48.1	
C2-Phenanthrene/Anthracene	3,090		96.2	48.1	
C3-Phenanthrene/Anthracene	1,510		96.2	48.1	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-6

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-01		
File ID:	E032119.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0104
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
C4-Phananthrene/Anthracene	499		96.2	48.1	
Dibenzothiophene	408		96.2	48.1	
C1-Dibenzothiophene	644		96.2	48.1	
C2-Dibenzothiophene	740		96.2	48.1	
C3-Dibenzothiophene	608		96.2	48.1	
Carbazole	64.5	J	96.2	48.1	
Di-n-butylphthalate		U	96.2	48.1	
Fluoranthene	2,550		96.2	48.1	
Pyrene	2,990		96.2	48.1	
C1-Fluoranthene/Pyrene	2,370		96.2	48.1	
C2-Fluoranthene/Pyrene	1,210		96.2	48.1	
C3-Fluoranthene/Pyrene	545		96.2	48.1	
Benzo(b,c)fluorenes	330		96.2	48.1	
2-Methylpyrene	372		96.2	48.1	
4-Methylpyrene	418		96.2	48.1	
1-Methylpyrene	315		96.2	48.1	
Butylbenzylphthalate		U	96.2	48.1	
Benz[a]anthracene	999		96.2	48.1	
Chrysene	878		96.2	48.1	
C1-Benz(a)anthracene/Chrysene	696		96.2	48.1	
C2-Benz(a)anthracene/Chrysene	463		96.2	48.1	
C3-Benz(a)anthracene/Chrysene	282		96.2	48.1	
C4-Benz(a)anthracene/Chrysene	79.2	J	96.2	48.1	
Retene		U	96.2	48.1	
bis(2-Ethylhexyl)phthalate		U	96.2	48.1	
Di-n-octylphthalate		U	96.2	48.1	
Benzo[b]fluoranthene	418		96.2	48.1	
Benzo[k]fluoranthene	452		96.2	48.1	
Benzo(e)pyrene		U	96.2	48.1	
Benzo[a]pyrene	682		96.2	48.1	
Perylene		U	96.2	48.1	
7,12-Dimethylbenz(a)anthracene		U	96.2	48.1	
3-Methylcholanthrene		U	96.2	48.1	
Indeno[1,2,3-cd]pyrene	272		96.2	48.1	
Dibenz[a,h]anthracene	78.0	J	96.2	48.1	
Benzo[g,h,i]perylene	273		96.2	48.1	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-6

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-01		
File ID:	E032119.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0104
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	121	50 - 120		
4-Bromofluorobenzene	165	50 - 120		
Phenol-d5	109	50 - 120		
2-Fluorophenol	105	50 - 120		
Nitrobenzene-d5	121	50 - 120		
2-Fluorobiphenyl	101	50 - 120		
2,4,6-Tribromophenol	123	50 - 120		
p-Terphenyl-d14	112	50 - 120		
Benzo(a)pyrene-d12	83	50 - 120		

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

META

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-1-D

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-02		
File ID:	E032120.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0117
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
cis-1,2-Dichloroethene		U	85.5	42.75	
2,2-Dichloropropane		U	85.5	42.75	
Chloroform	102	B	85.5	42.75	
1,1,1-Trichloroethane		U	85.5	42.75	
1,2-Dichloroethane		U	85.5	42.75	
1,1-Dichloropropene		U	85.5	42.75	
Benzene		U	85.5	42.75	
C1-Benzene	313		85.5	42.75	
C2-Benzene	4,530		85.5	42.75	
C3-Benzene	5,880		85.5	42.75	
C4-Benzene	2,250		85.5	42.75	
C5-Benzene	792		85.5	42.75	
Carbon Tetrachloride		U	85.5	42.75	
1,2-Dichloropropane		U	85.5	42.75	
Trichloroethene		U	85.5	42.75	
Dibromomethane		U	85.5	42.75	
Bromodichloromethane		U	85.5	42.75	
Pyridine		U	85.5	42.75	
cis-1,3-Dichloropropene		U	85.5	42.75	
N-nitrosodimethylamine		U	85.5	42.75	
Toluene	308		85.5	42.75	
trans-1,3-Dichloropropene		U	85.5	42.75	
1,1,2-Trichloroethane		U	85.5	42.75	
1,3-Dichloropropane		U	85.5	42.75	
Dibromochloromethane		U	85.5	42.75	
1,2-Dibromoethane		U	85.5	42.75	
Tetrachloroethene		U	85.5	42.75	
2-Picoline		U	85.5	42.75	
N-nitrosomethylethylamine		U	85.5	42.75	
Chlorobenzene		U	85.5	42.75	
1,1,1,2-Tetrachloroethane		U	85.5	42.75	
Ethylbenzene	1,440		85.5	42.75	
m/p-Xylenes	1,030		85.5	42.75	
Bromoform		U	85.5	42.75	
Styrene	97.4		85.5	42.75	
o-Xylene	1,420		85.5	42.75	
N-nitrosodiethylamine		U	85.5	42.75	
1,1,2,2-Tetrachloroethane		BU	85.5	42.75	
1,2,3-Trichloropropane		U	85.5	42.75	
Isopropylbenzene	237		85.5	42.75	
Bromobenzene		U	85.5	42.75	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-1-D

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-02		
File ID:	E032120.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0117
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
2-Chlorotoluene		U	85.5	42.75	
Propylbenzene	107		85.5	42.75	
4-Chlorotoluene		U	85.5	42.75	
1,3,5-Trimethylbenzene	1,150		85.5	42.75	
Pentachloroethane		U	85.5	42.75	
tert-Butylbenzene	302		85.5	42.75	
1,2,4-Trimethylbenzene	2,340		85.5	42.75	
sec-Butylbenzene		U	85.5	42.75	
Phenol		U	85.5	42.75	
bis(2-Chloroethyl)ether		U	85.5	42.75	
Aniline		U	85.5	42.75	
2-Chlorophenol		U	85.5	42.75	
1,3-Dichlorobenzene		U	85.5	42.75	
1,4-Dichlorobenzene		U	85.5	42.75	
p-Isopropyltoluene	152		85.5	42.75	
Benzyl Alcohol		U	85.5	42.75	
2-Methylphenol (m-cresol)		U	85.5	42.75	
1,2-Dichlorobenzene		U	85.5	42.75	
3,4-Methylphenol (o,p-cresol)		U	85.5	42.75	
bis(2-chloroisopropyl)ether		U	85.5	42.75	
n-Butylbenzene	120		85.5	42.75	
N-nitroso-di-n-propylamine		U	85.5	42.75	
N-nitrosomorpholine		U	85.5	42.75	
Hexachloroethane		U	85.5	42.75	
o-Toluidine		U	85.5	42.75	
1,2-Dibromo-3-Chloropropane		U	85.5	42.75	
N-nitrosopyrrolidine		U	85.5	42.75	
N-nitrosopiperidine		U	85.5	42.75	
2-Nitrophenol		U	85.5	42.75	
2,4-Dimethylphenol		U	85.5	42.75	
bis(2-Chloroethoxy)methane		U	85.5	42.75	
2,6-Dichlorophenol		U	85.5	42.75	
1,2,4-Trichlorobenzene		U	85.5	42.75	
Naphthalene	26,800	E	85.5	42.75	
C1-Naphthalene	12,400		85.5	42.75	
C2-Naphthalene	9,360		85.5	42.75	
C3-Naphthalene	4,260		85.5	42.75	
C4-Naphthalene	1,340		85.5	42.75	
2,4-Dichlorophenol		U	85.5	42.75	
4-Chloroaniline		U	85.5	42.75	
Hexachloropropene		U	85.5	42.75	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-1-D

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-02		
File ID:	E032120.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0117
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
Hexachlorobutadiene		U	85.5	42.75	
1,2,3-Trichlorobenzene		U	85.5	42.75	
N-nitrosodi-n-butylamine		U	85.5	42.75	
4-Chloro-3-methylphenol		U	85.5	42.75	
2-Methylnaphthalene	10,200		85.5	42.75	
1,2,4,5-Tetrachlorobenzene		U	85.5	42.75	
Hexachlorocyclopentadiene		U	85.5	42.75	
2,4,6-Trichlorophenol		U	85.5	42.75	
2,4,5-Trichlorophenol		U	85.5	42.75	
2-Chloronaphthalene	4,800		85.5	42.75	
2-Nitroaniline		U	85.5	42.75	
1,4-Naphthoquinone		U	85.5	42.75	
Dimethylphthalate		U	85.5	42.75	
Acenaphthylene		U	85.5	42.75	
Biphenyl	3,520		85.5	42.75	
3-Nitroaniline		U	85.5	42.75	
Acenaphthene	12,700		85.5	42.75	
2,4-Dinitrophenol		U	85.5	42.75	
4-Nitrophenol		U	85.5	42.75	
Dibenzofuran	10,000		85.5	42.75	
Pentachlorobenzene		U	85.5	42.75	
1-Aminonaphthalene		U	85.5	42.75	
2,3,4,6-Tetrachlorophenol		U	85.5	42.75	
2-Aminonaphthalene		U	85.5	42.75	
Diethylphthalate		U	85.5	42.75	
4-Chlorophenyl-phenylether		U	85.5	42.75	
Fluorene	9,760		85.5	42.75	
C1-Fluorene	2,430		85.5	42.75	
C2-Fluorene	1,130		85.5	42.75	
C3-Fluorene	489		85.5	42.75	
4-Nitroaniline		U	85.5	42.75	
4,6-Dinitro-2-methylphenol		U	85.5	42.75	
n-Nitrosodiphenylamine		U	85.5	42.75	
4-Bromophenyl-phenylether		U	85.5	42.75	
Hexachlorobenzene		U	85.5	42.75	
Pentachlorophenol		U	85.5	42.75	
Phenanthrene	22,400	E	85.5	42.75	
Anthracene	3,860		85.5	42.75	
C1-Phenanthrene/Anthracene	7,820		85.5	42.75	
C2-Phenanthrene/Anthracene	2,200		85.5	42.75	
C3-Phenanthrene/Anthracene	505		85.5	42.75	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-1-D

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-02		
File ID:	E032120.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0117
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
C4-Phananthrene/Anthracene	128		85.5	42.75	
Dibenzothiophene	2,570		85.5	42.75	
C1-Dibenzothiophene	817		85.5	42.75	
C2-Dibenzothiophene	300		85.5	42.75	
C3-Dibenzothiophene	109		85.5	42.75	
Carbazole	1,150		85.5	42.75	
Di-n-butylphthalate		U	85.5	42.75	
Fluoranthene	10,000		85.5	42.75	
Pyrene	7,170		85.5	42.75	
C1-Fluoranthene/Pyrene	3,280		85.5	42.75	
C2-Fluoranthene/Pyrene	700		85.5	42.75	
C3-Fluoranthene/Pyrene	166		85.5	42.75	
Benzo(b,c)fluorenes	643		85.5	42.75	
2-Methylpyrene	335		85.5	42.75	
4-Methylpyrene	290		85.5	42.75	
1-Methylpyrene	290		85.5	42.75	
Butylbenzylphthalate		U	85.5	42.75	
Benz[a]anthracene	1,760		85.5	42.75	
Chrysene	1,760		85.5	42.75	
C1-Benz(a)anthracene/Chrysene	610		85.5	42.75	
C2-Benz(a)anthracene/Chrysene	161		85.5	42.75	
C3-Benz(a)anthracene/Chrysene		U	85.5	42.75	
C4-Benz(a)anthracene/Chrysene		U	85.5	42.75	
Retene		U	85.5	42.75	
bis(2-Ethylhexyl)phthalate		U	85.5	42.75	
Di-n-octylphthalate		U	85.5	42.75	
Benzo[b]fluoranthene	616		85.5	42.75	
Benzo[k]fluoranthene	529		85.5	42.75	
Benzo(e)pyrene		U	85.5	42.75	
Benzo[a]pyrene	568		85.5	42.75	
Perylene		U	85.5	42.75	
7,12-Dimethylbenz(a)anthracene		U	85.5	42.75	
3-Methylcholanthrene		U	85.5	42.75	
Indeno[1,2,3-cd]pyrene	156		85.5	42.75	
Dibenz[a,h]anthracene	54.9	J	85.5	42.75	
Benzo[g,h,i]perylene	142		85.5	42.75	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: A-1-D

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050310-02		
File ID:	E032120.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	3/3/2005	Decanted:	None
Date Received:	3/10/2005		
Date Prepared:	3/11/2005	Sample Size (g):	0.0117
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	98	50 - 120		
4-Bromofluorobenzene	119	50 - 120		
Phenol-d5	106	50 - 120		
2-Fluorophenol	104	50 - 120		
Nitrobenzene-d5	112	50 - 120		
2-Fluorobiphenyl	97	50 - 120		
2,4,6-Tribromophenol	115	50 - 120		
p-Terphenyl-d14	117	50 - 120		
Benzo(a)pyrene-d12	83	50 - 120		

NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

META

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: **Method Blank**

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050311-MB		
File ID:	E032118.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	3/11/2005	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
cis-1,2-Dichloroethene		U	100	50.0	
2,2-Dichloropropane		U	100	50.0	
Chloroform	119		100	50.0	
1,1,1-Trichloroethane		U	100	50.0	
1,2-Dichloroethane		U	100	50.0	
1,1-Dichloropropene		U	100	50.0	
Benzene		U	100	50.0	
C1-Benzene		U	100	50.0	
C2-Benzene		U	100	50.0	
C3-Benzene		U	100	50.0	
C4-Benzene		U	100	50.0	
C5-Benzene		U	100	50.0	
Carbon Tetrachloride		U	100	50.0	
1,2-Dichloropropane		U	100	50.0	
Trichloroethene		U	100	50.0	
Dibromomethane		U	100	50.0	
Bromodichloromethane		U	100	50.0	
Pyridine		U	100	50.0	
cis-1,3-Dichloropropene		U	100	50.0	
N-nitrosodimethylamine		U	100	50.0	
Toluene		U	100	50.0	
trans-1,3-Dichloropropene		U	100	50.0	
1,1,2-Trichloroethane		U	100	50.0	
1,3-Dichloropropane		U	100	50.0	
Dibromochloromethane		U	100	50.0	
1,2-Dibromoethane		U	100	50.0	
Tetrachloroethene		U	100	50.0	
2-Picoline		U	100	50.0	
N-nitrosomethylethylamine		U	100	50.0	
Chlorobenzene		U	100	50.0	
1,1,1,2-Tetrachloroethane		U	100	50.0	
Ethylbenzene		U	100	50.0	
m/p-Xylenes		U	100	50.0	
Bromoform		U	100	50.0	
Styrene		U	100	50.0	
o-Xylene		U	100	50.0	
N-nitrosodiethylamine		U	100	50.0	
1,1,2,2-Tetrachloroethane	72.2	J	100	50.0	
1,2,3-Trichloropropane		U	100	50.0	
Isopropylbenzene		U	100	50.0	
Bromobenzene		U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: **Method Blank**

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050311-MB		
File ID:	E032118.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	3/11/2005	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
2-Chlorotoluene	U	100	50.0	
Propylbenzene	U	100	50.0	
4-Chlorotoluene	U	100	50.0	
1,3,5-Trimethylbenzene	U	100	50.0	
Pentachloroethane	U	100	50.0	
tert-Butylbenzene	U	100	50.0	
1,2,4-Trimethylbenzene	U	100	50.0	
sec-Butylbenzene	U	100	50.0	
Phenol	U	100	50.0	
bis(2-Chloroethyl)ether	U	100	50.0	
Aniline	U	100	50.0	
2-Chlorophenol	U	100	50.0	
1,3-Dichlorobenzene	U	100	50.0	
1,4-Dichlorobenzene	U	100	50.0	
p-Isopropyltoluene	U	100	50.0	
Benzyl Alcohol	U	100	50.0	
2-Methylphenol (m-cresol)	U	100	50.0	
1,2-Dichlorobenzene	U	100	50.0	
3,4-Methylphenol (o,p-cresol)	U	100	50.0	
bis(2-chloroisopropyl)ether	U	100	50.0	
n-Butylbenzene	U	100	50.0	
N-nitroso-di-n-propylamine	U	100	50.0	
N-nitrosomorpholine	U	100	50.0	
Hexachloroethane	U	100	50.0	
o-Toluidine	U	100	50.0	
1,2-Dibromo-3-Chloropropane	U	100	50.0	
N-nitrosopyrrolidine	U	100	50.0	
N-nitrosopiperidine	U	100	50.0	
2-Nitrophenol	U	100	50.0	
2,4-Dimethylphenol	U	100	50.0	
bis(2-Chloroethoxy)methane	U	100	50.0	
2,6-Dichlorophenol	U	100	50.0	
1,2,4-Trichlorobenzene	U	100	50.0	
Naphthalene	U	100	50.0	
C1-Naphthalene	U	100	50.0	
C2-Naphthalene	U	100	50.0	
C3-Naphthalene	U	100	50.0	
C4-Naphthalene	U	100	50.0	
2,4-Dichlorophenol	U	100	50.0	
4-Chloroaniline	U	100	50.0	
Hexachloropropene	U	100	50.0	

META

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: **Method Blank**

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050311-MB		
File ID:	E032118.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	3/11/2005	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Hexachlorobutadiene	U	100	50.0	
1,2,3-Trichlorobenzene	U	100	50.0	
N-nitrosodi-n-butylamine	U	100	50.0	
4-Chloro-3-methylphenol	U	100	50.0	
2-Methylnaphthalene	U	100	50.0	
1,2,4,5-Tetrachlorobenzene	U	100	50.0	
Hexachlorocyclopentadiene	U	100	50.0	
2,4,6-Trichlorophenol	U	100	50.0	
2,4,5-Trichlorophenol	U	100	50.0	
2-Chloronaphthalene	U	100	50.0	
2-Nitroaniline	U	100	50.0	
1,4-Naphthoquinone	U	100	50.0	
Dimethylphthalate	U	100	50.0	
Acenaphthylene	U	100	50.0	
Biphenyl	U	100	50.0	
3-Nitroaniline	U	100	50.0	
Acenaphthene	U	100	50.0	
2,4-Dinitrophenol	U	100	50.0	
4-Nitrophenol	U	100	50.0	
Dibenzofuran	U	100	50.0	
Pentachlorobenzene	U	100	50.0	
1-Aminonaphthalene	U	100	50.0	
2,3,4,6-Tetrachlorophenol	U	100	50.0	
2-Aminonaphthalene	U	100	50.0	
Diethylphthalate	U	100	50.0	
4-Chlorophenyl-phenylether	U	100	50.0	
Fluorene	U	100	50.0	
C1-Fluorene	U	100	50.0	
C2-Fluorene	U	100	50.0	
C3-Fluorene	U	100	50.0	
4-Nitroaniline	U	100	50.0	
4,6-Dinitro-2-methylphenol	U	100	50.0	
n-Nitrosodiphenylamine	U	100	50.0	
4-Bromophenyl-phenylether	U	100	50.0	
Hexachlorobenzene	U	100	50.0	
Pentachlorophenol	U	100	50.0	
Phenanthrene	U	100	50.0	
Anthracene	U	100	50.0	
C1-Phenanthrene/Anthracene	U	100	50.0	
C2-Phenanthrene/Anthracene	U	100	50.0	
C3-Phenanthrene/Anthracene	U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: **Method Blank**

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050311-MB		
File ID:	E032118.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	3/11/2005	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)		RL	EDL	Comments
C4-Phananthrene/Anthracene		U	100	50.0	
Dibenzothiophene		U	100	50.0	
C1-Dibenzothiophene		U	100	50.0	
C2-Dibenzothiophene		U	100	50.0	
C3-Dibenzothiophene		U	100	50.0	
Carbazole		U	100	50.0	
Di-n-butylphthalate		U	100	50.0	
Fluoranthene		U	100	50.0	
Pyrene		U	100	50.0	
C1-Fluoranthene/Pyrene		U	100	50.0	
C2-Fluoranthene/Pyrene		U	100	50.0	
C3-Fluoranthene/Pyrene		U	100	50.0	
Benzo(b,c)fluorenes		U	100	50.0	
2-Methylpyrene		U	100	50.0	
4-Methylpyrene		U	100	50.0	
1-Methylpyrene		U	100	50.0	
Butylbenzylphthalate		U	100	50.0	
Benz[a]anthracene		U	100	50.0	
Chrysene		U	100	50.0	
C1-Benz(a)anthracene/Chrysene		U	100	50.0	
C2-Benz(a)anthracene/Chrysene		U	100	50.0	
C3-Benz(a)anthracene/Chrysene		U	100	50.0	
C4-Benz(a)anthracene/Chrysene		U	100	50.0	
Retene		U	100	50.0	
bis(2-Ethylhexyl)phthalate		U	100	50.0	
Di-n-octylphthalate		U	100	50.0	
Benzo[b]fluoranthene		U	100	50.0	
Benzo[k]fluoranthene		U	100	50.0	
Benzo(e)pyrene		U	100	50.0	
Benzo[a]pyrene		U	100	50.0	
Perylene		U	100	50.0	
7,12-Dimethylbenz(a)anthracene		U	100	50.0	
3-Methylcholanthrene		U	100	50.0	
Indeno[1,2,3-cd]pyrene		U	100	50.0	
Dibenz[a,h]anthracene		U	100	50.0	
Benzo[g,h,i]perylene		U	100	50.0	

Analytical Results for Volatile and Semivolatile Organics
META Environmental, Inc.

Field ID: **Method Blank**

Client:	AKRF	Preparation Method:	EPA 3580
Project:	Blau Gas site	Cleanup Method(s):	NA
		Analysis Method:	EPA 8260M/8270M
Lab ID	AI050311-MB		
File ID:	E032118.D	Matrix:	NAPL
		Preservation:	None
Date Sampled:	NA	Decanted:	None
Date Received:	NA		
Date Prepared:	3/11/2005	Sample Size (g):	0.01
Date Cleanup:	NA	Percent Solid:	100%
Date Analyzed:	3/23/2005	Extract Volume (µl):	2000
Instrument:	El Camino	Prep DF:	1.00
Operator:	JAR	Analysis DF:	1.00
		Injection Volume (µl):	1.00
Batch QC:	AI050311-MB		

Analyte	Concentration (mg/kg)	RL	EDL	Comments
Extraction Surrogate Recoveries (%)		Limits		
Toluene-d8	99	50 - 120		
4-Bromofluorobenzene	120	50 - 120		
Phenol-d5	100	50 - 120		
2-Fluorophenol	105	50 - 120		
Nitrobenzene-d5	112	50 - 120		
2-Fluorobiphenyl	103	50 - 120		
2,4,6-Tribromophenol	102	50 - 120		
p-Terphenyl-d14	123	50 - 120		
Benzo(a)pyrene-d12	84	50 - 120		

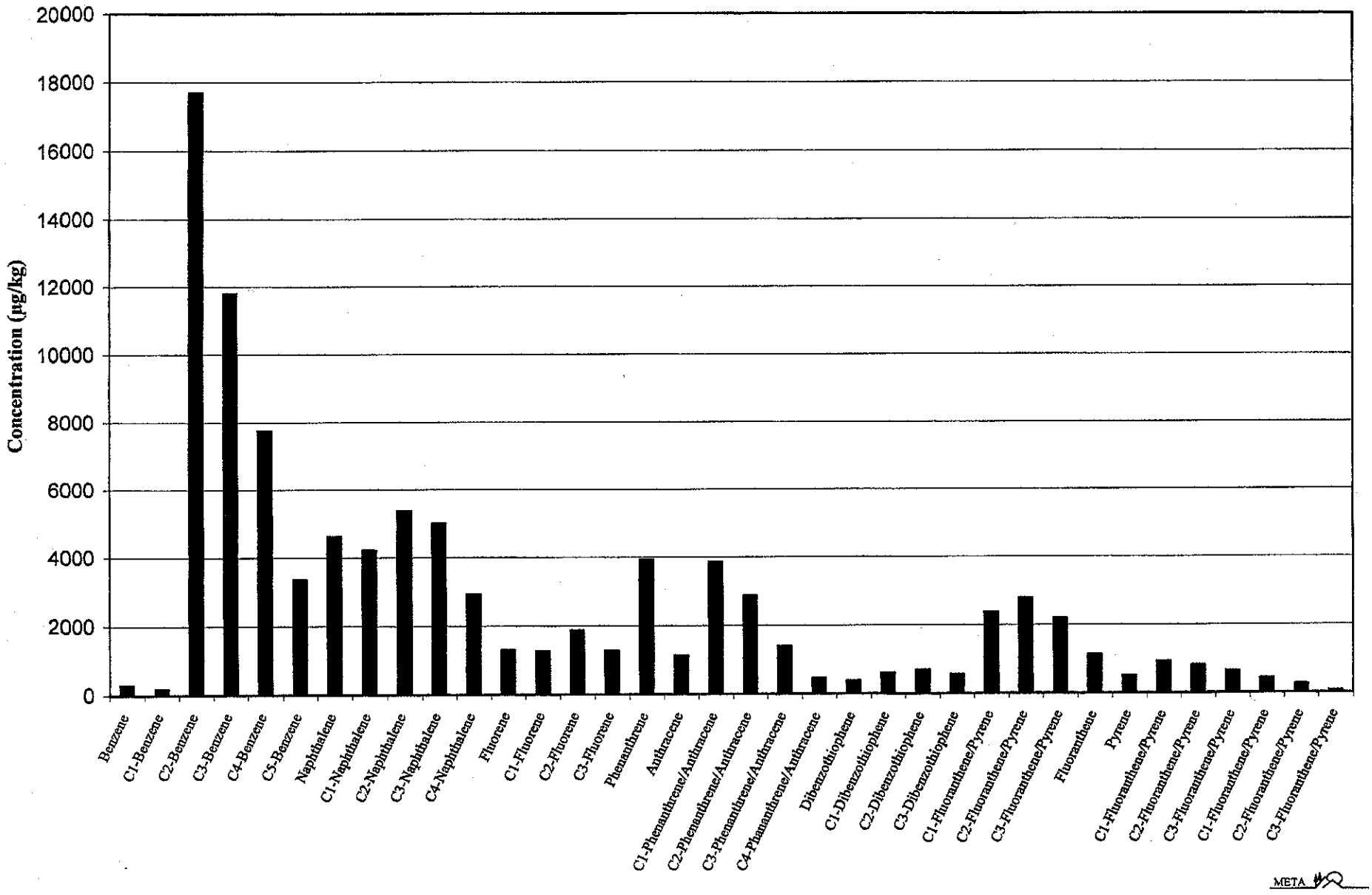
NA - Not applicable
B - Analyte detected in the Blank
J - Estimated value; detected between the RL and DL
U - Analyte not detected above DL.
D - Analyte reported from a diluted extract.
E - Estimate, result detected above calibration range.
I - Concentration/Peak ID uncertain due to potential interference.
RL - Reporting limit is the sample equivalent of the lowest linear calibration concentration.
EDL - Estimated detection limit is 50% of RL

META

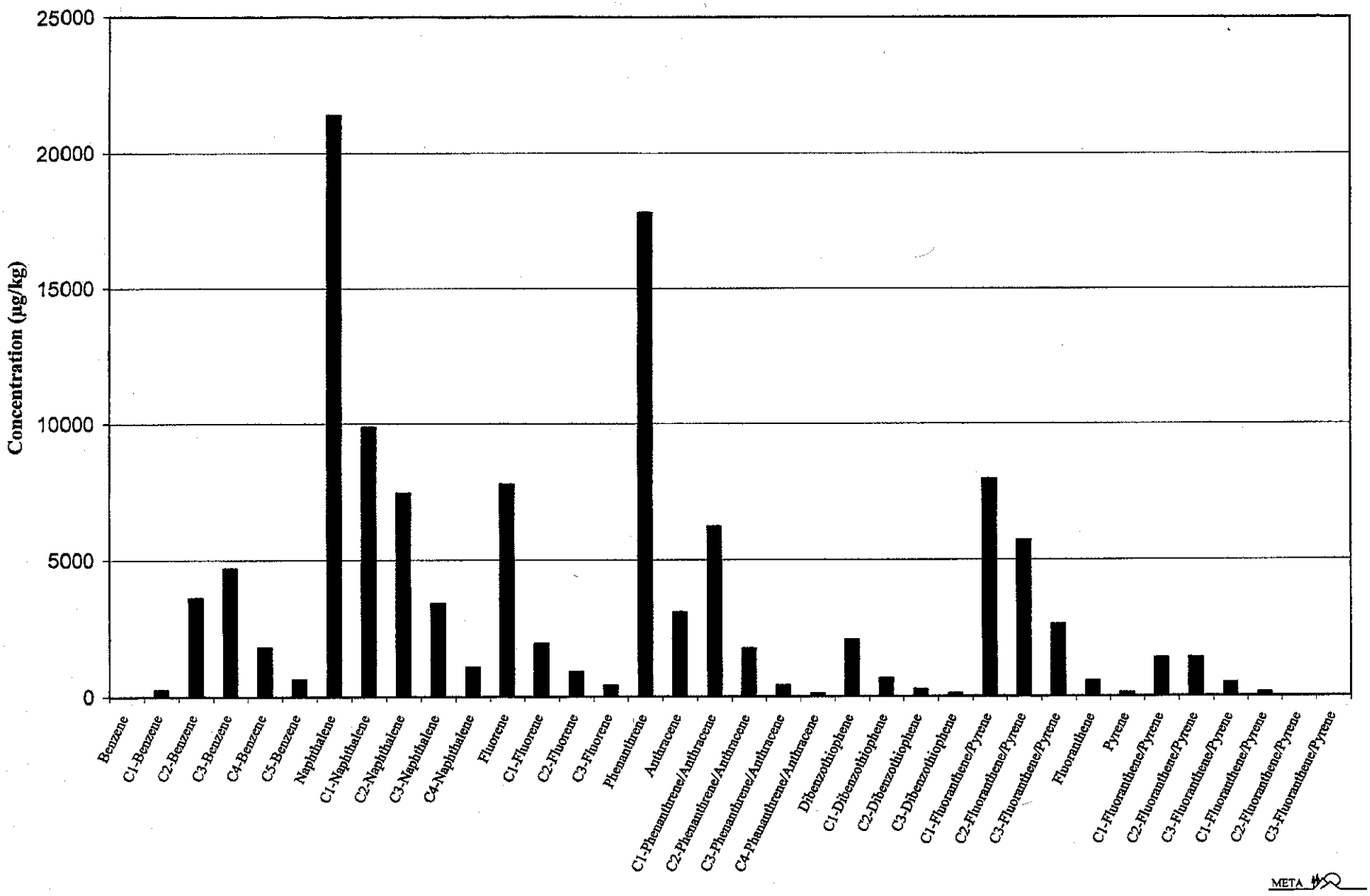
Appendix D

Extended PAH Profiles – Histograms

AI050310-01
A-6



AI050310-02
A-1-D



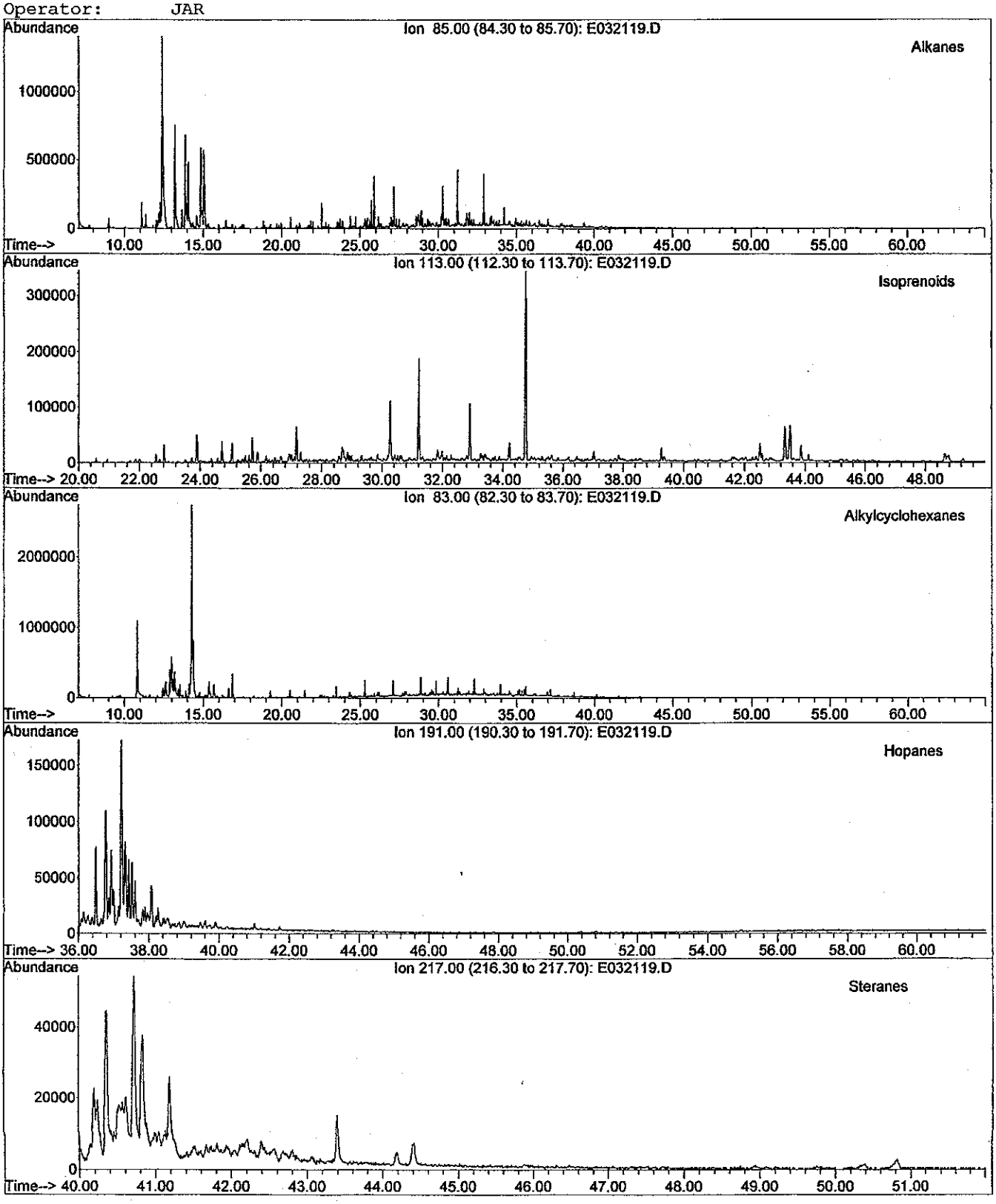
Appendix E

Extracted Ion Current Profiles (EICPs)

META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

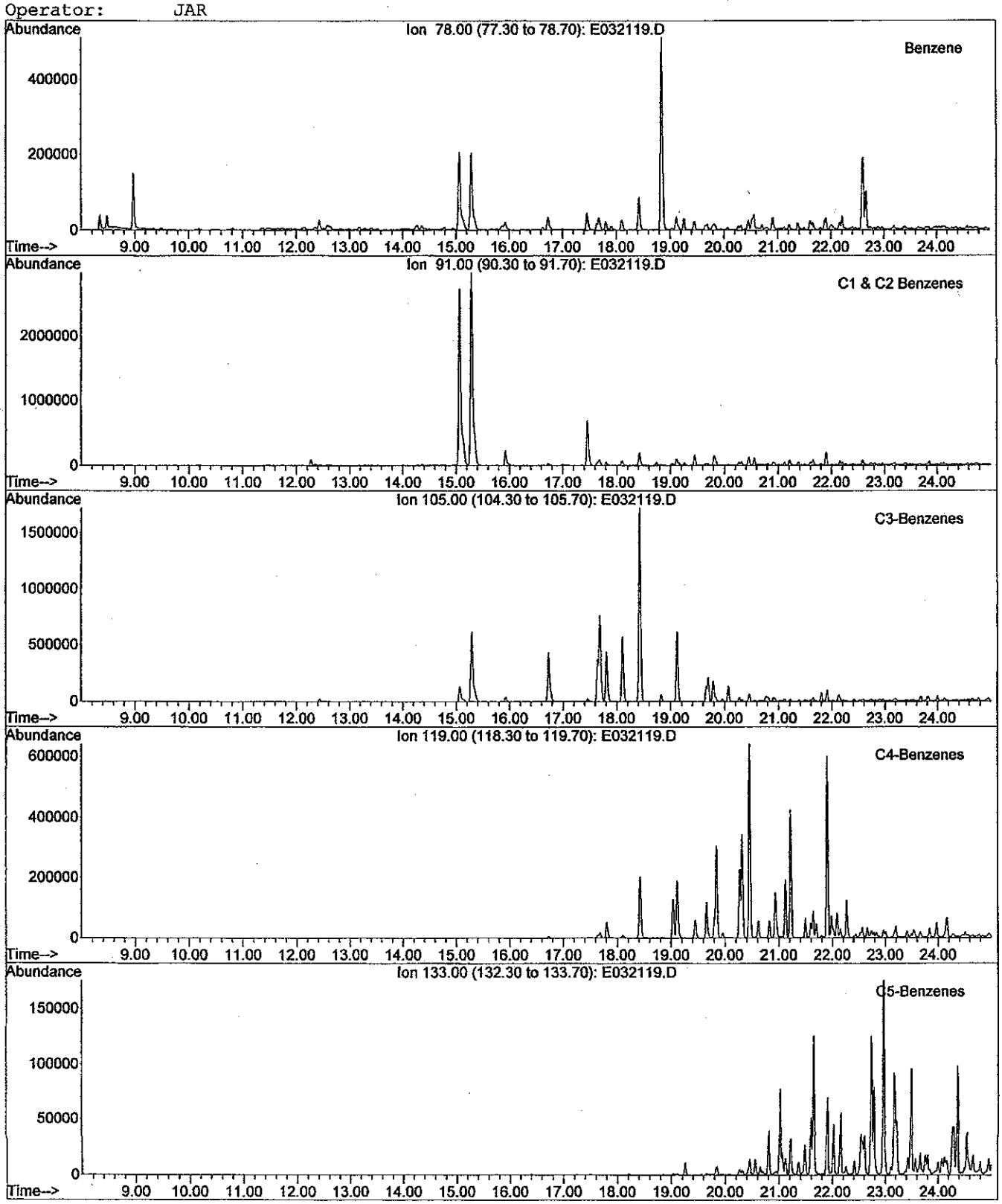
File: J:\1\DATA\E050322\E032119.D
Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

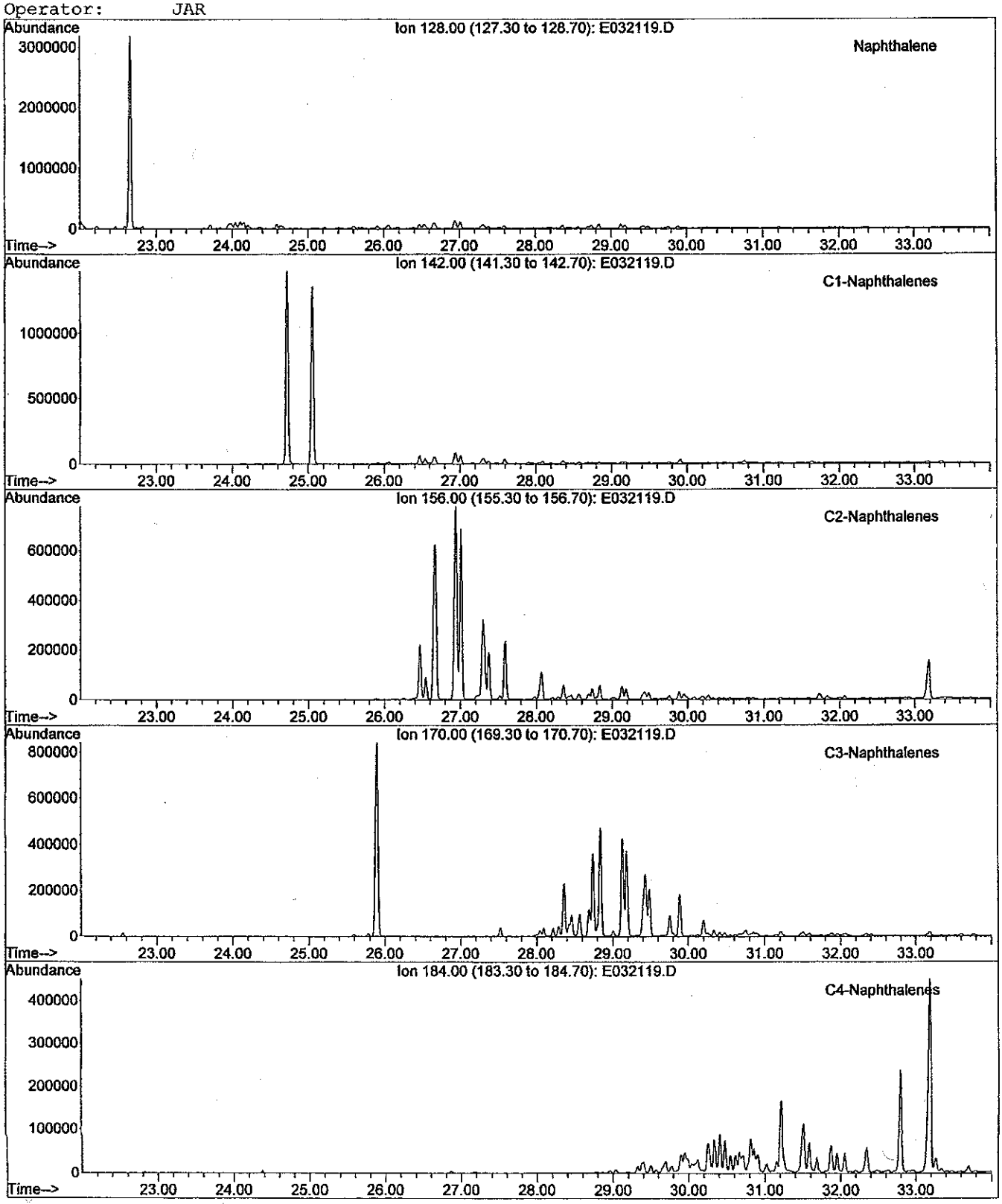
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Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

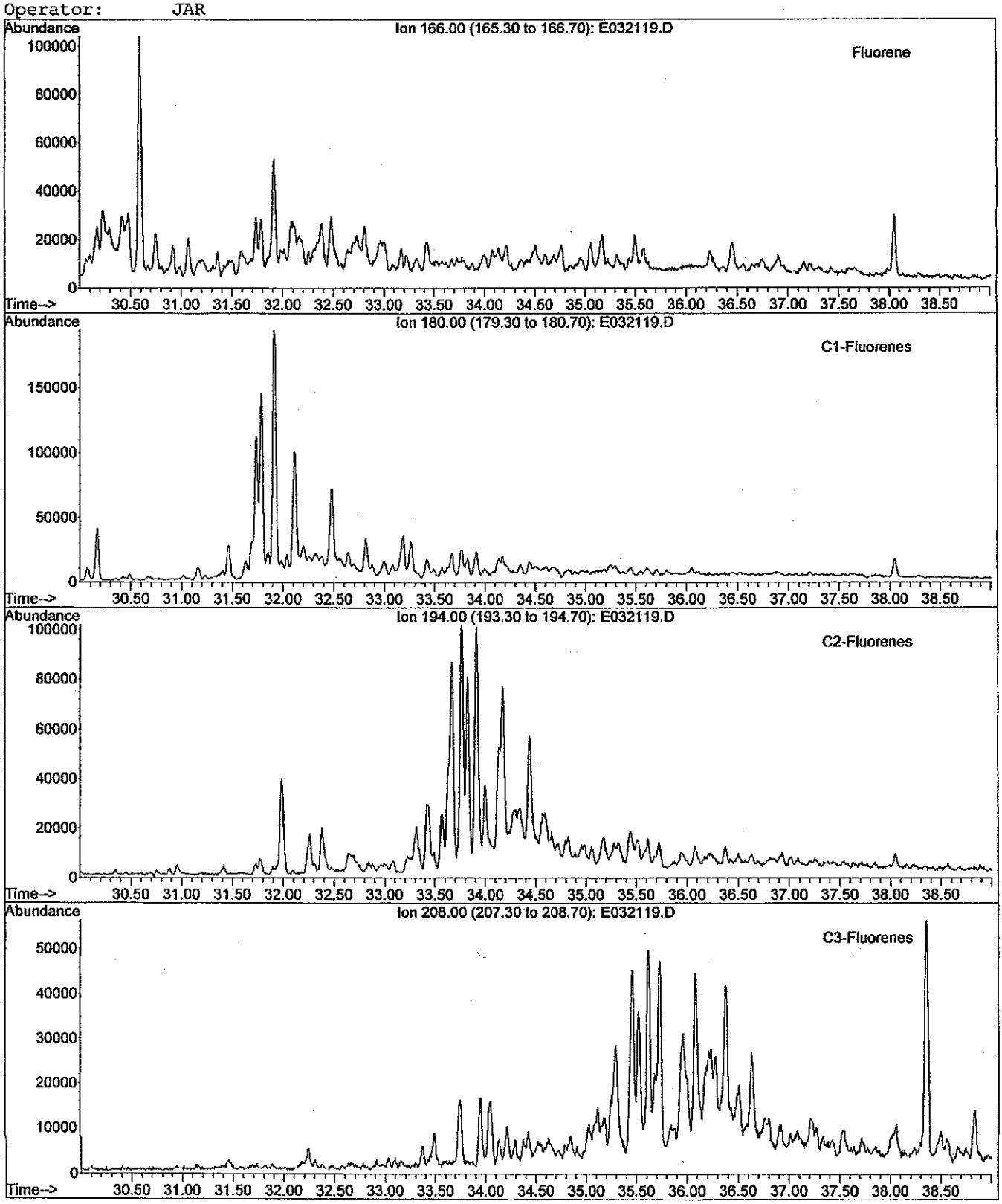
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Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

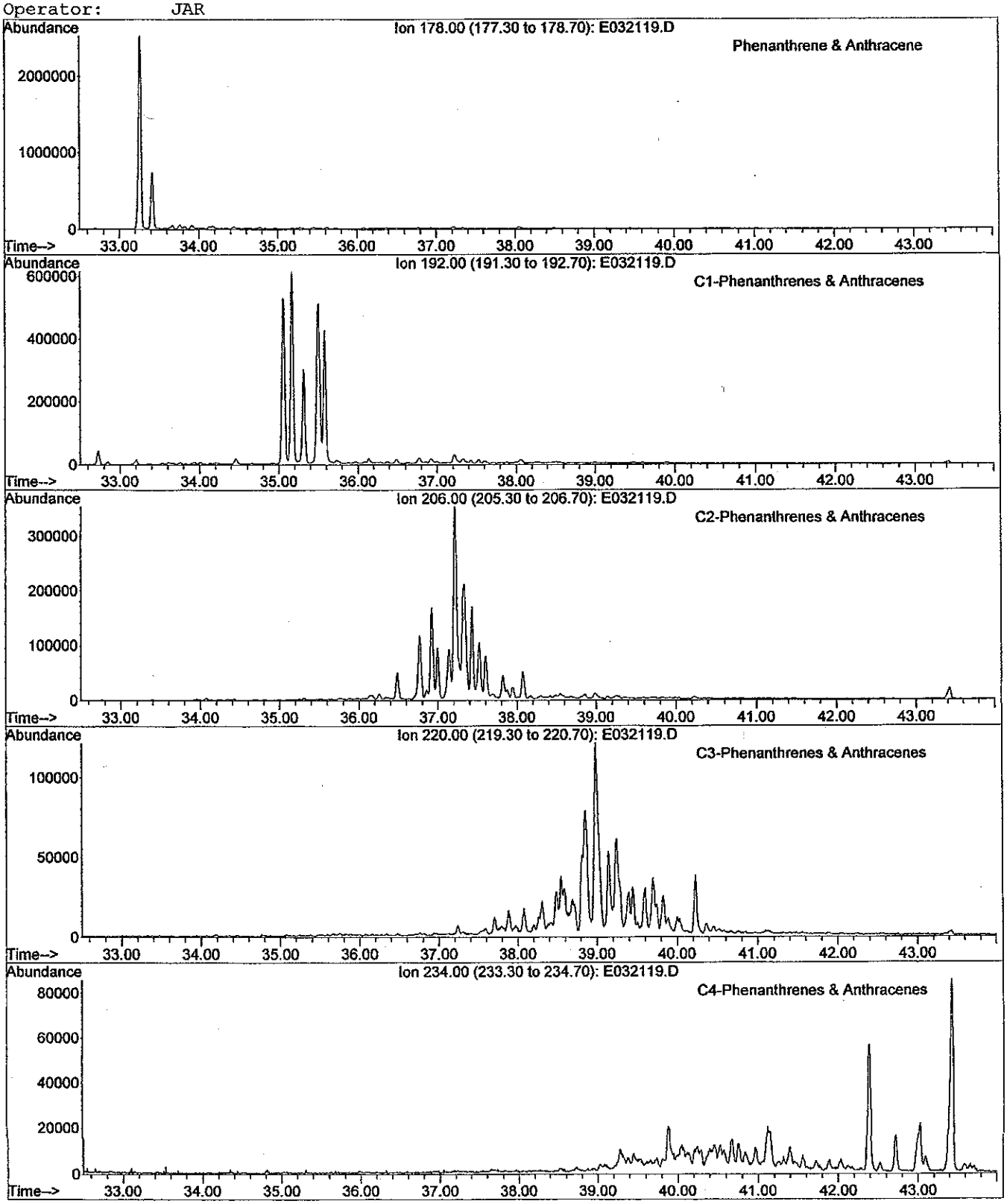
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Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

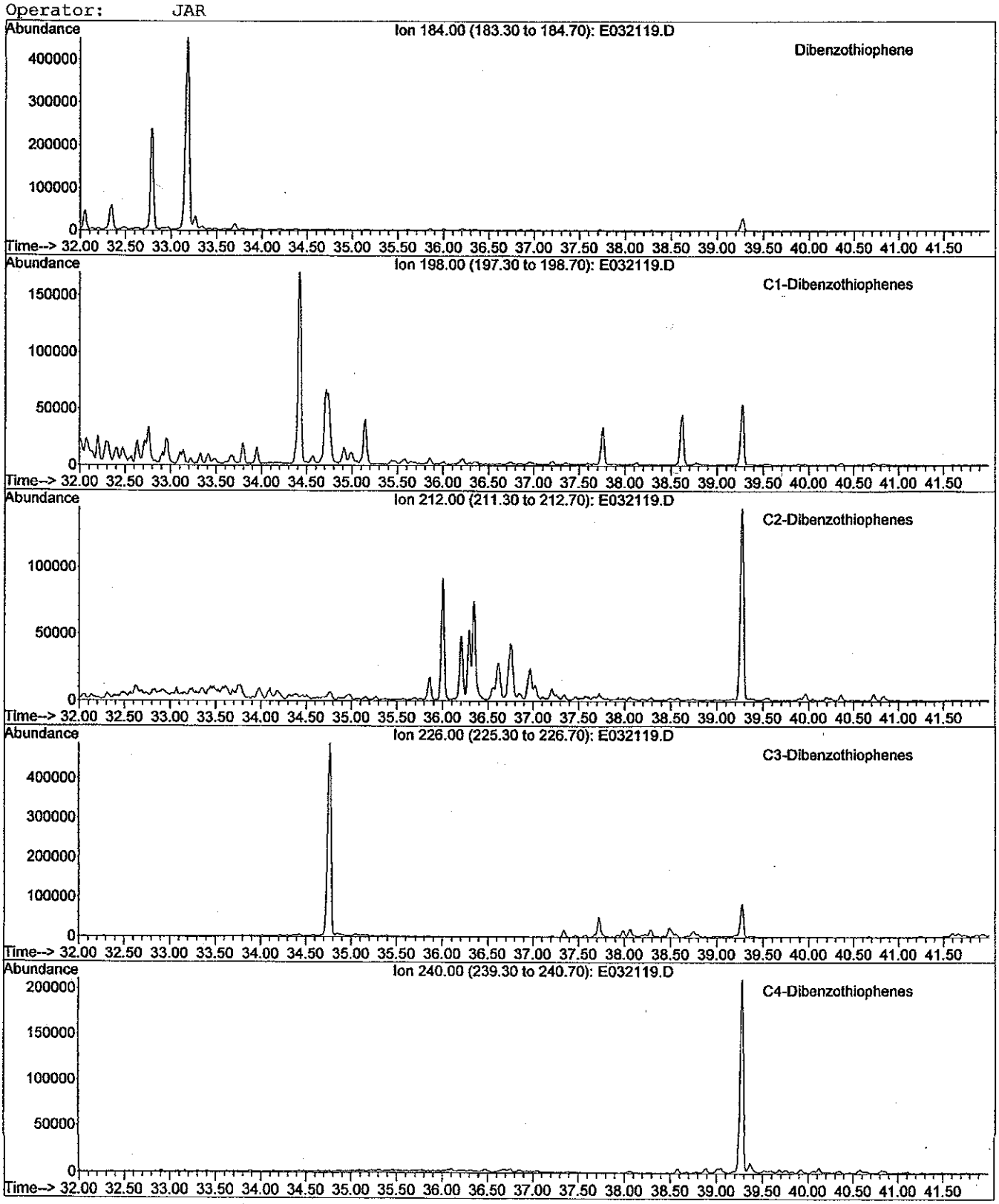
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Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

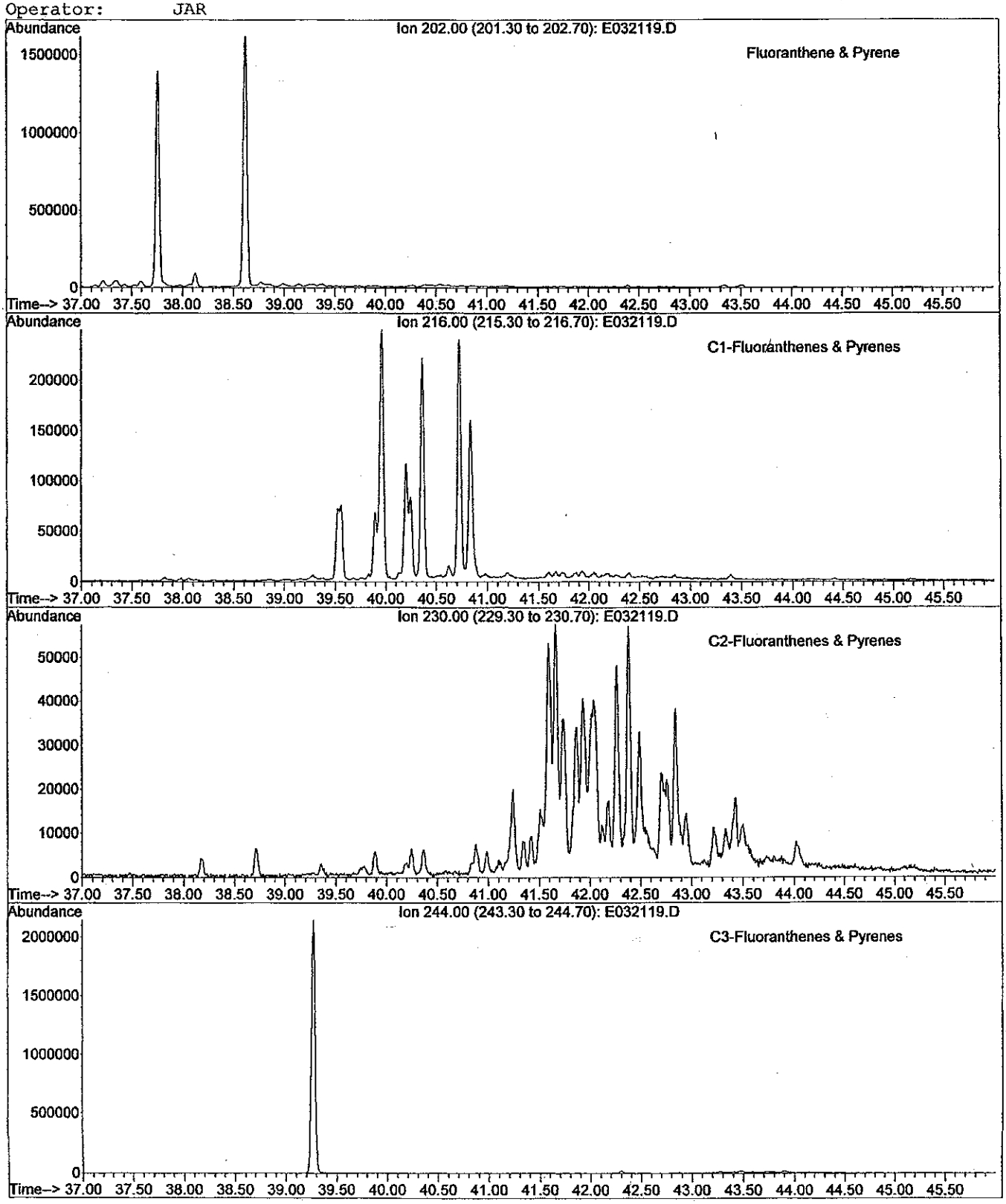
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Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

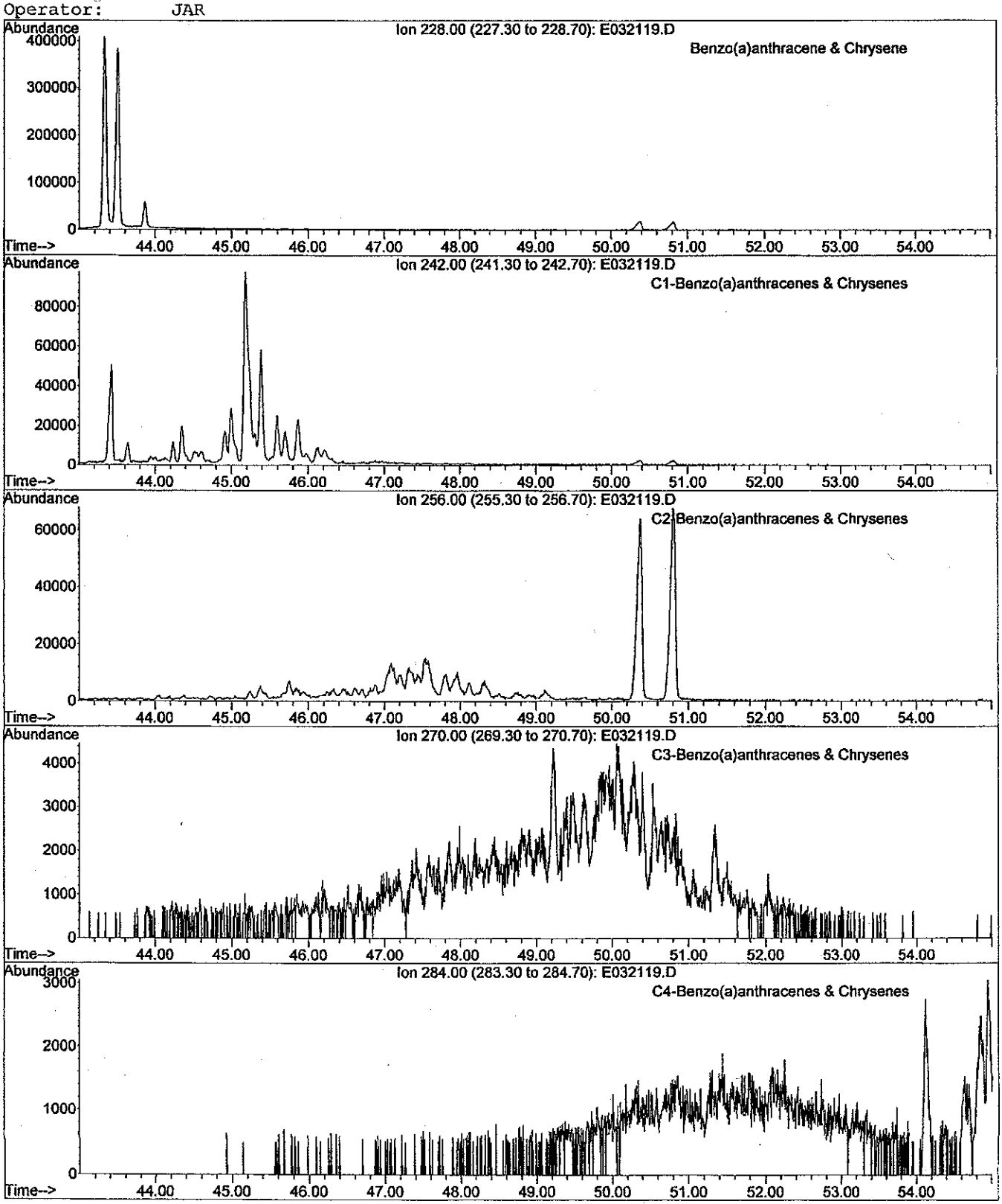
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Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



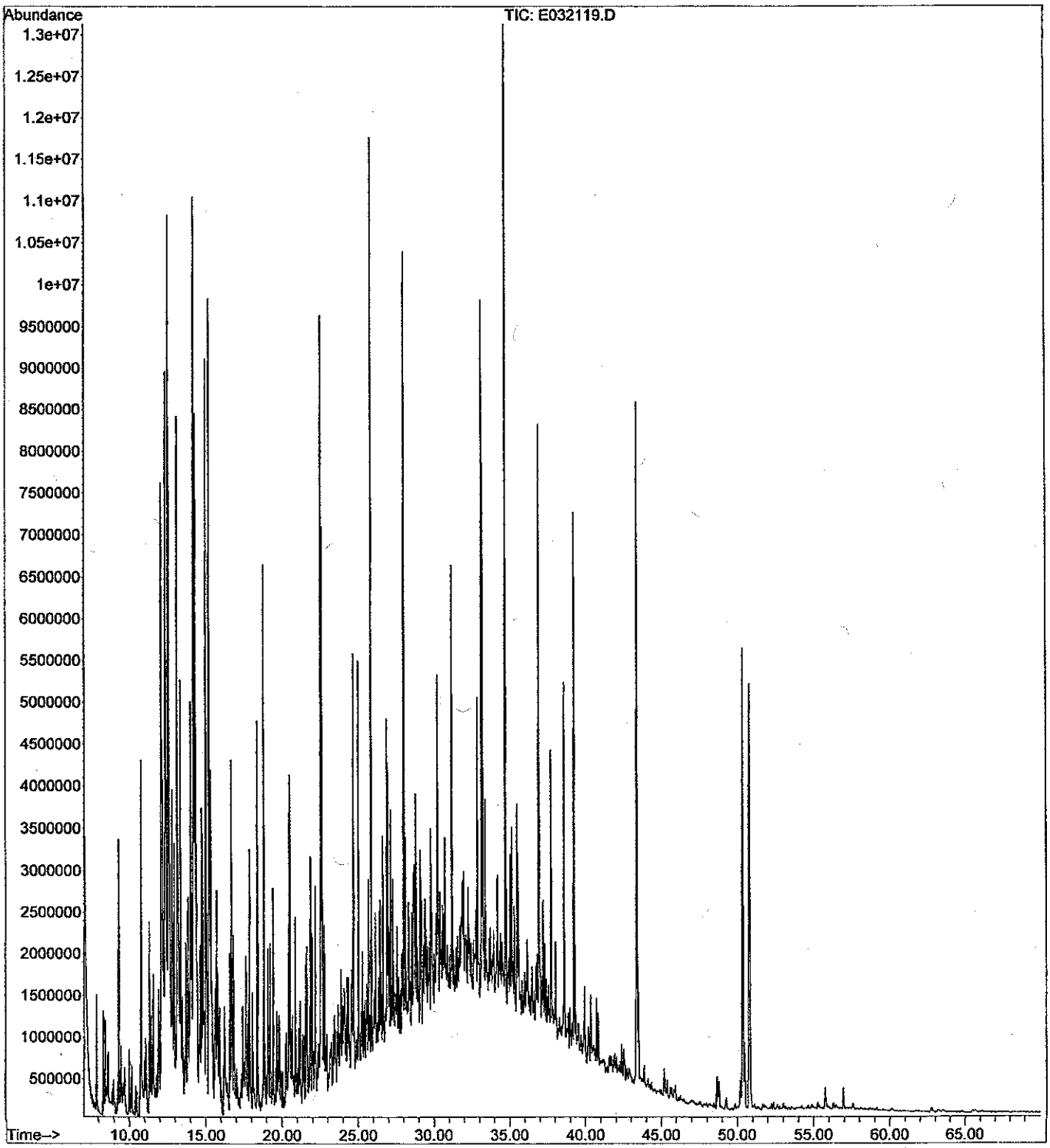
META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E050322\E032119.D
Date Acquired: 23 Mar 2005 7:51 am
Method File: 4014SCN1.M
Sample Name: AI050310-01
Misc Info: A-6
Operator: JAR



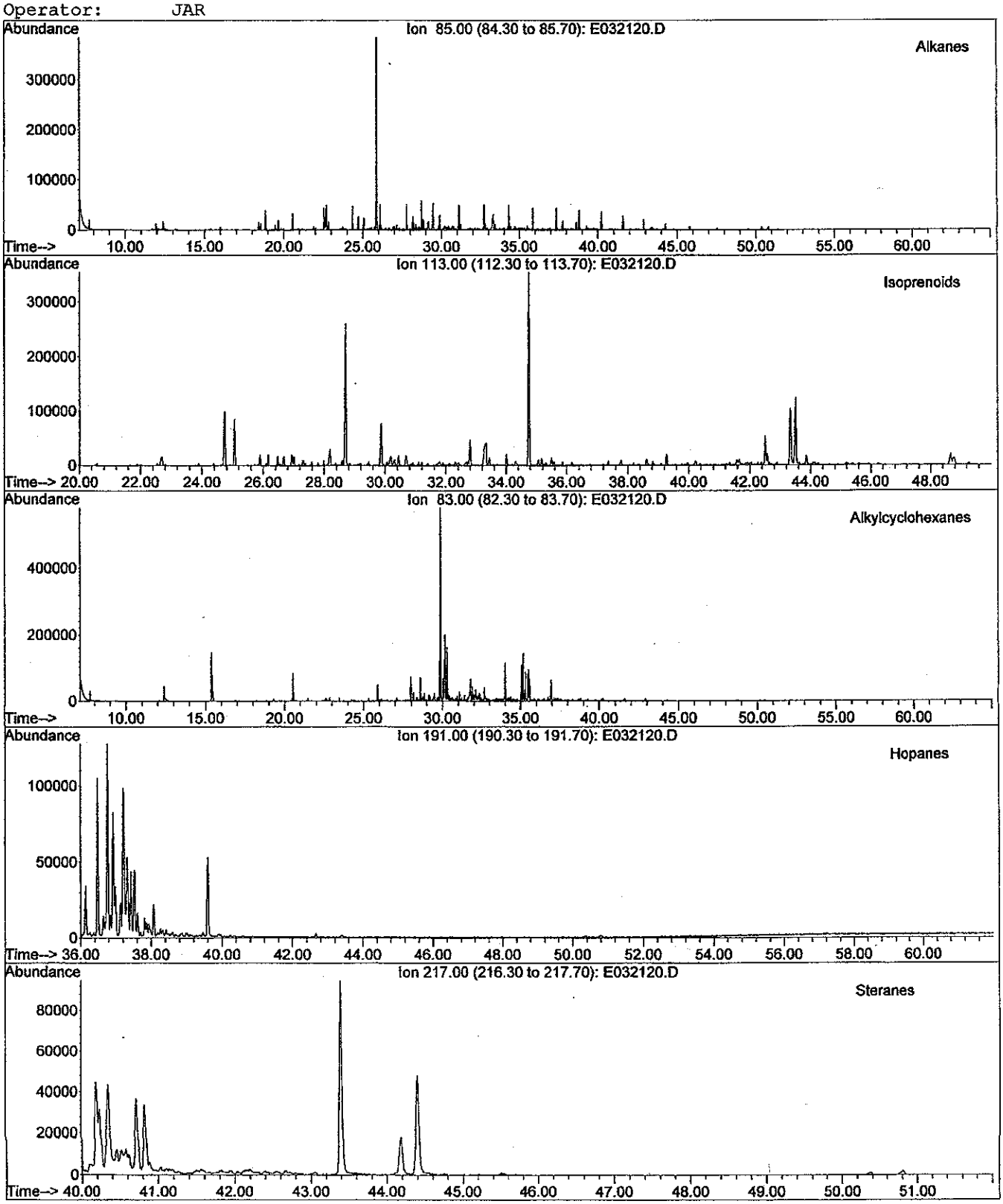
File :J:\1\DATA\E050322\E032119.D
Operator : JAR
Acquired : 23 Mar 2005 7:51 am using AcqMethod 4014SCN1.M
Instrument : El Camino
Sample Name: AI050310-01
Misc Info : A-6
Vial Number: 15



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

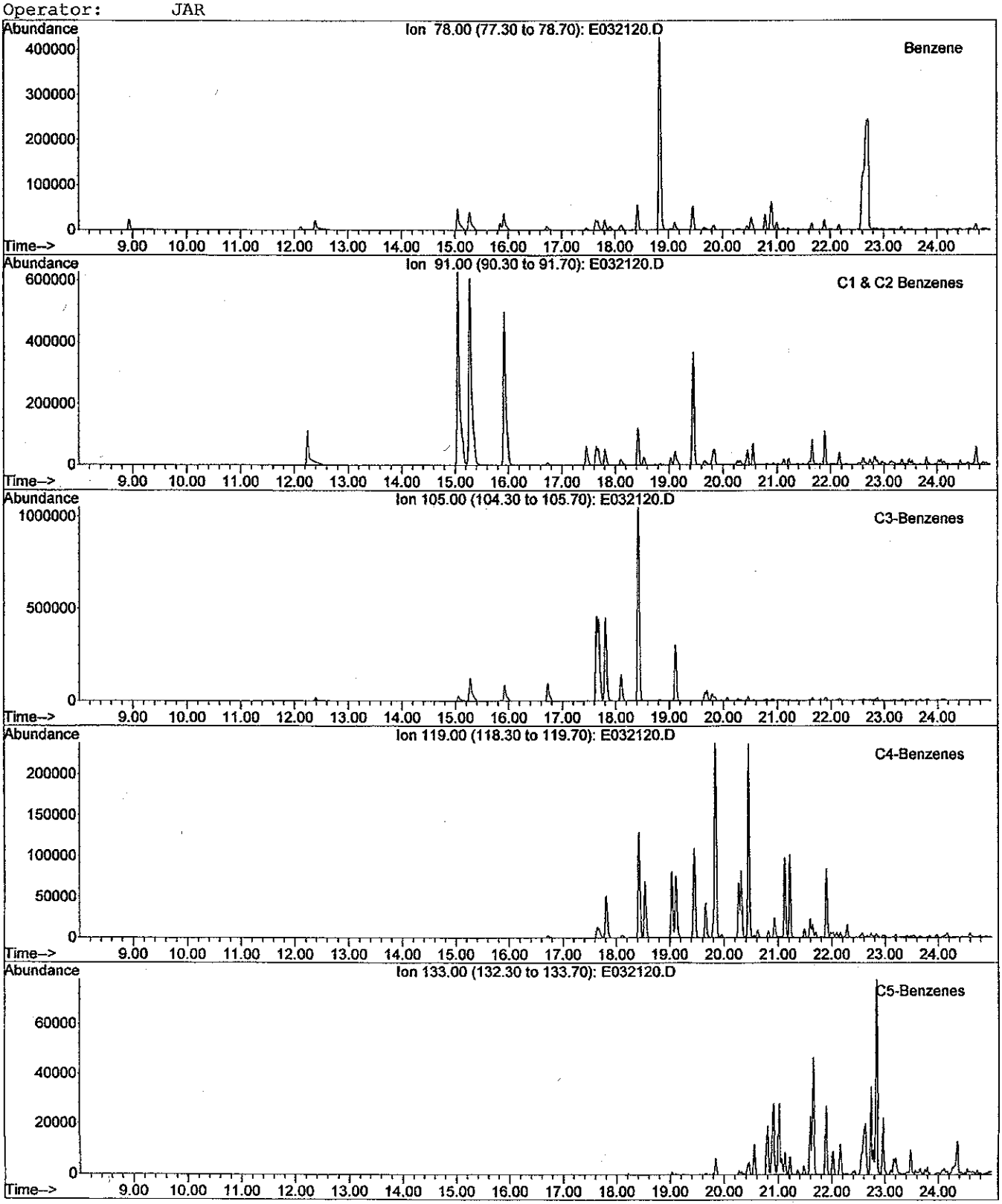
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Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

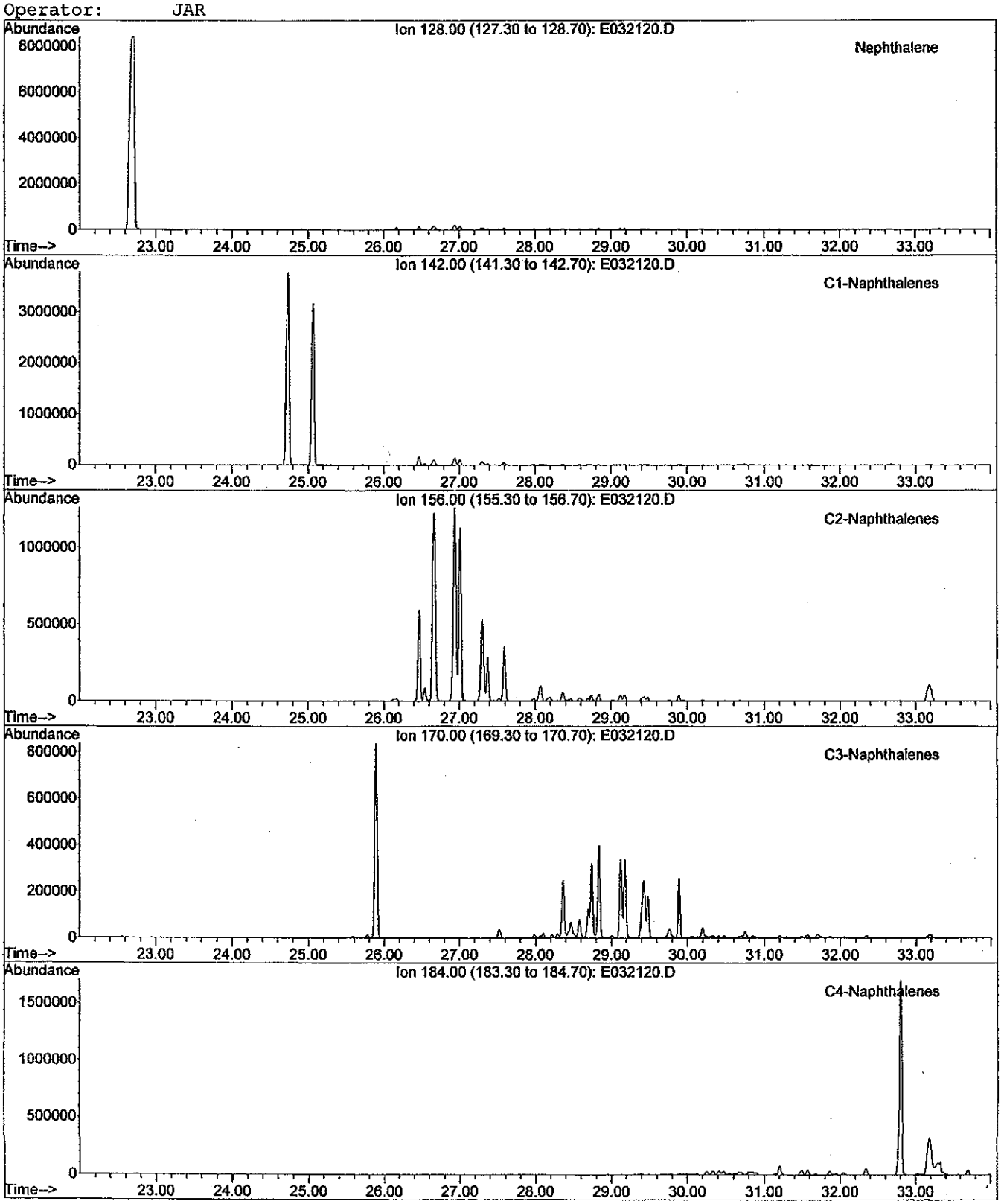
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Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

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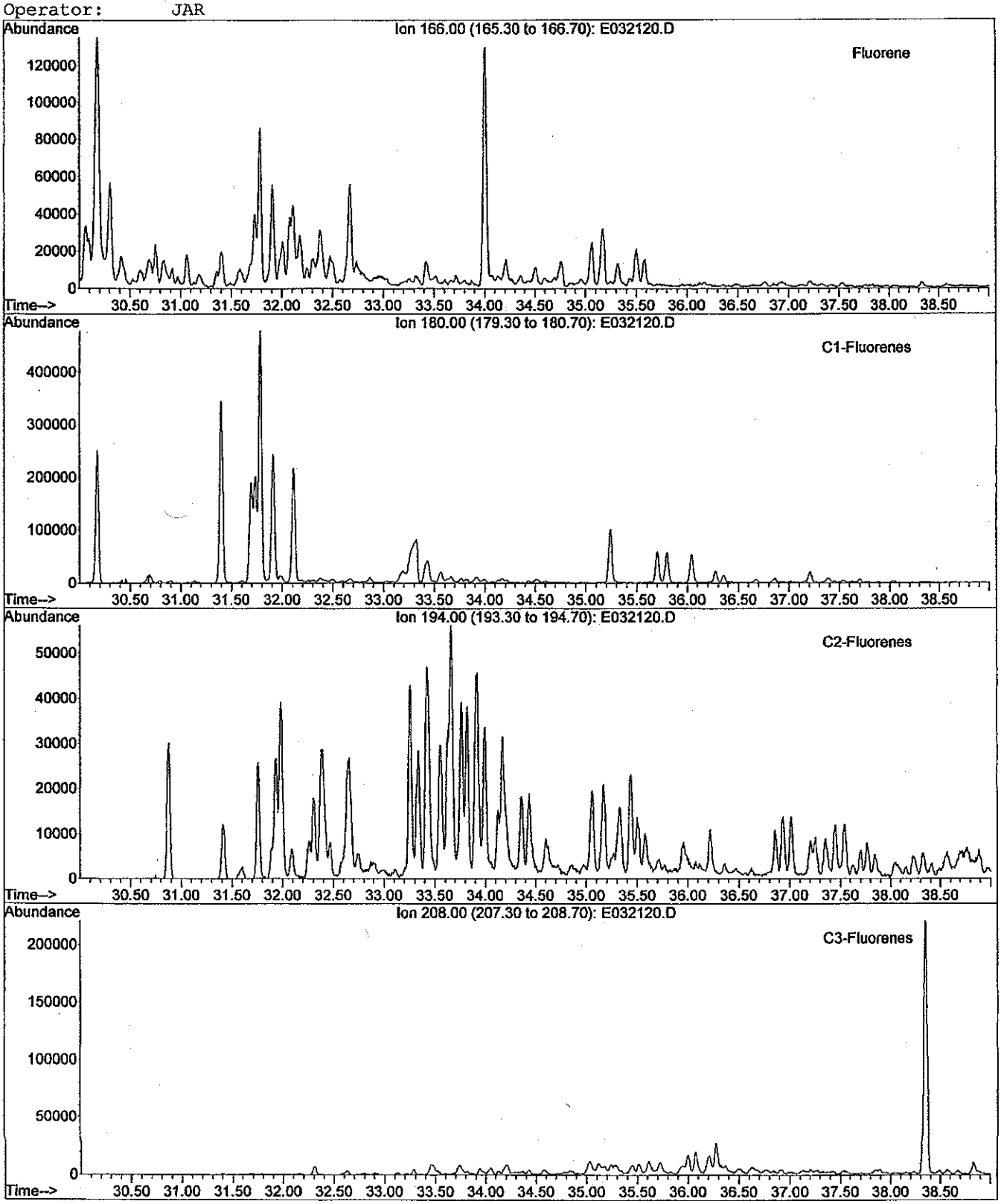
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Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

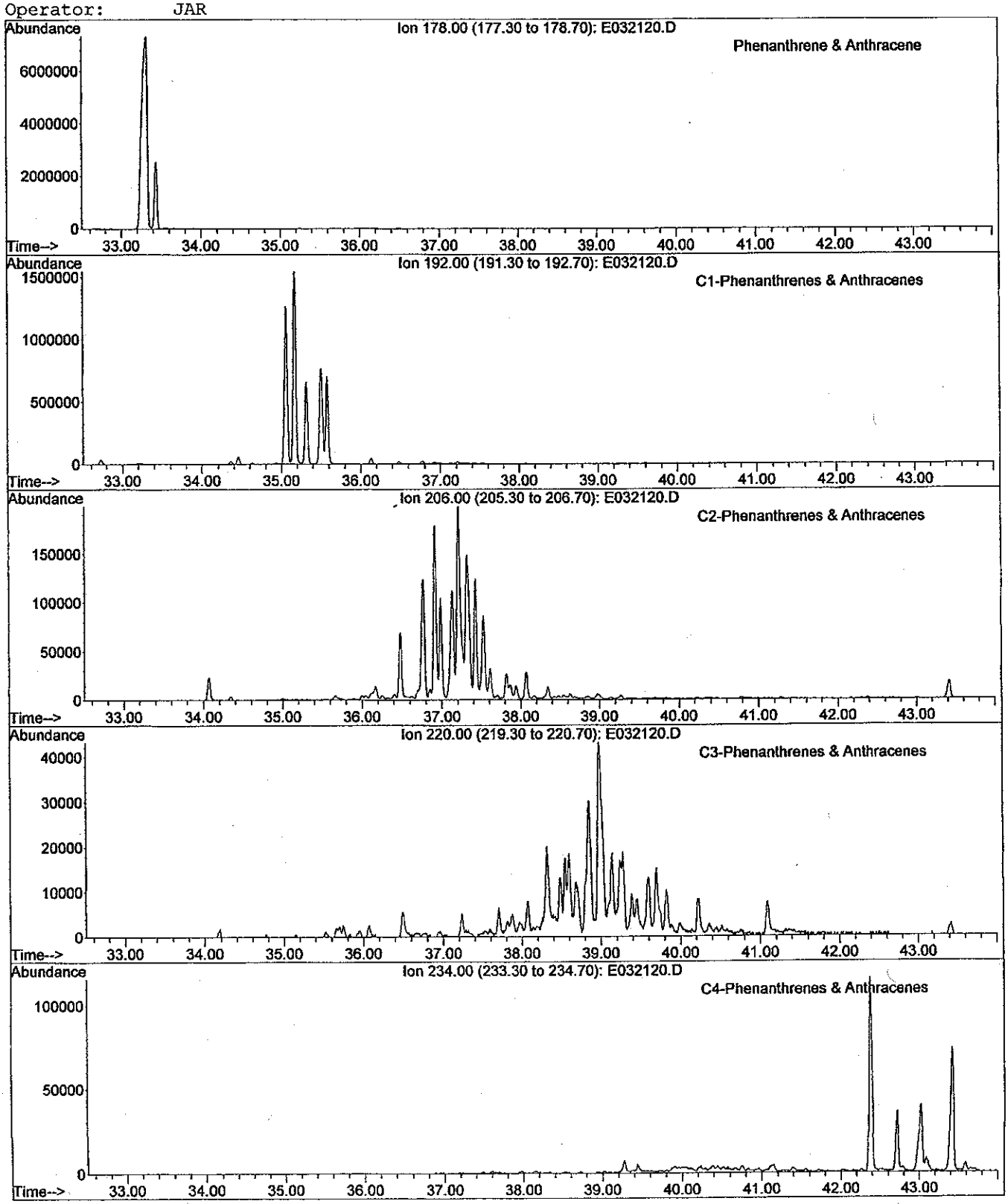
File: J:\1\DATA\E050322\E032120.D
Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

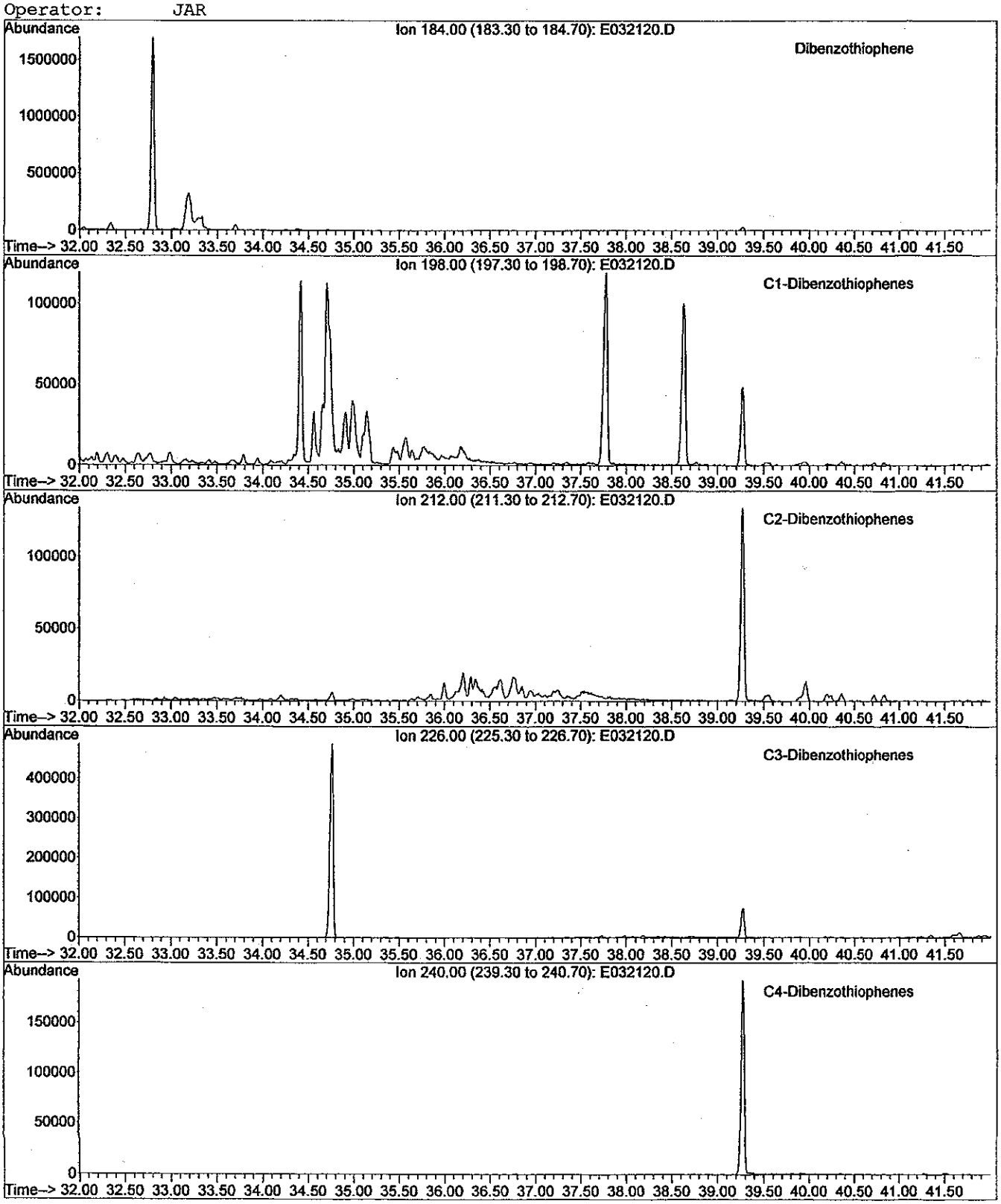
File: J:\1\DATA\E050322\E032120.D
Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

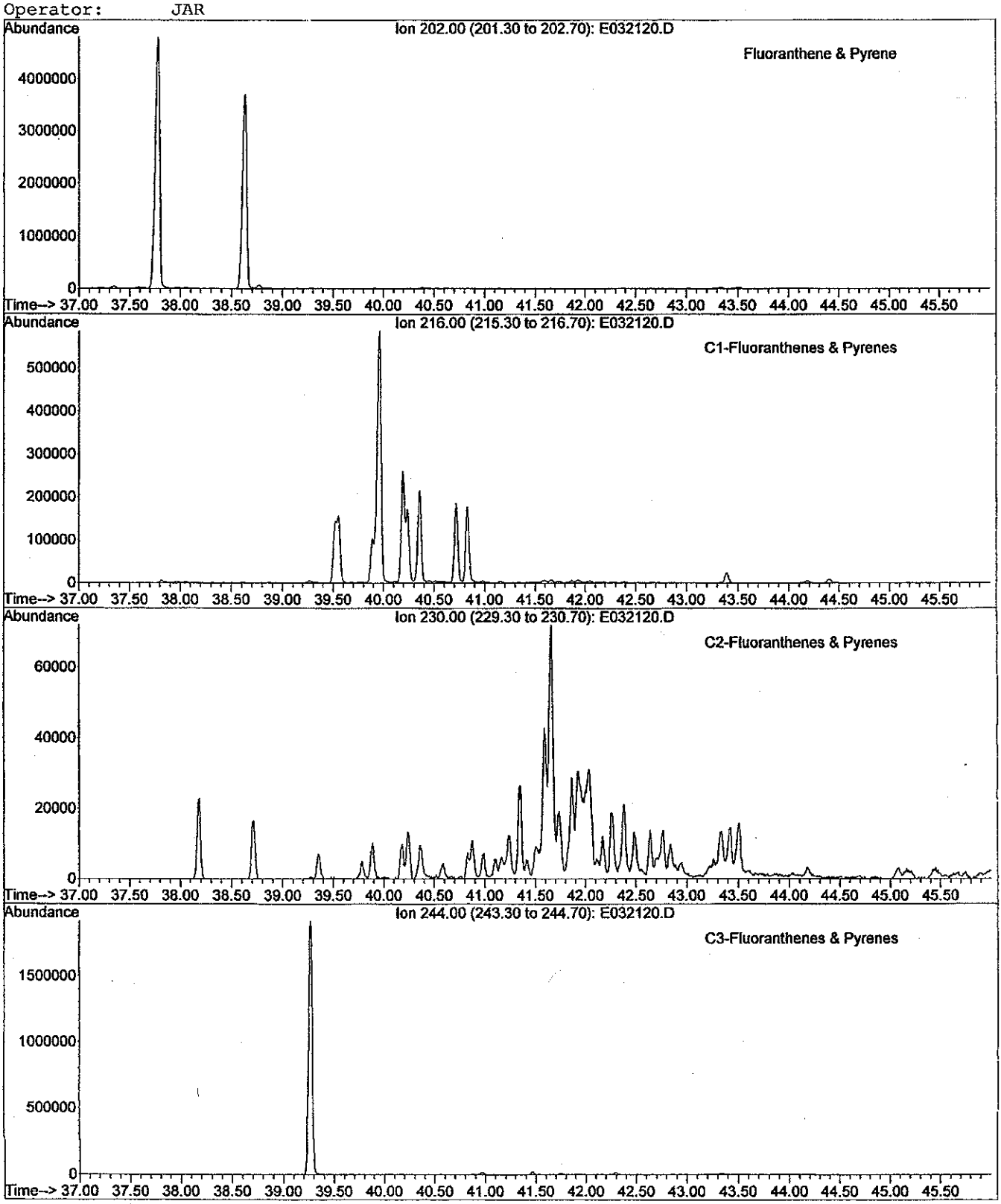
File: J:\1\DATA\E050322\E032120.D
Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

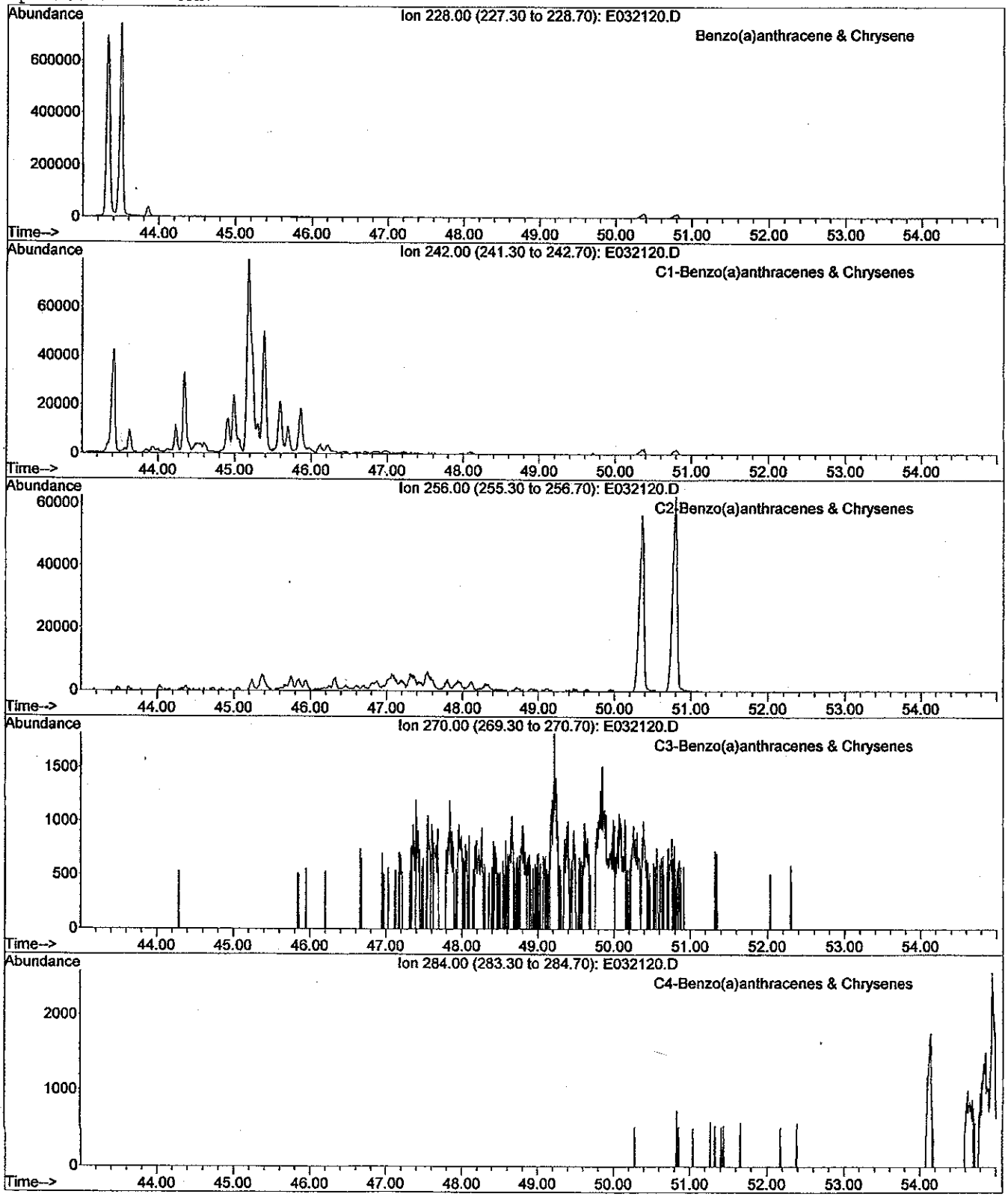
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Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



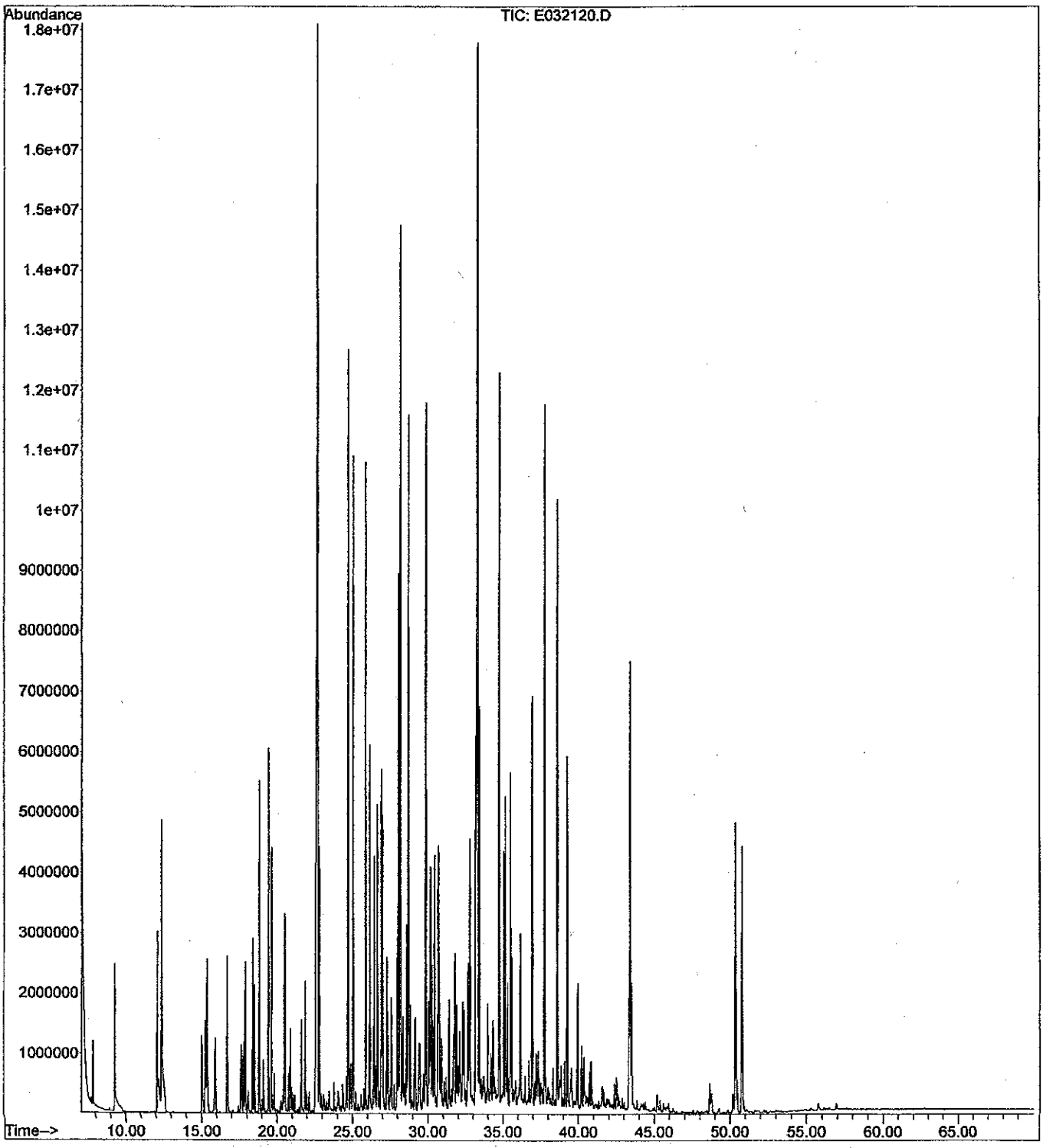
META Environmental, Inc.

GC/MS EXTRACTED ION CHROMATOGRAM

File: J:\1\DATA\E050322\E032120.D
Date Acquired: 23 Mar 2005 9:14 am
Method File: 4014SCN1.M
Sample Name: AI050310-02
Misc Info: A-1-D
Operator: JAR



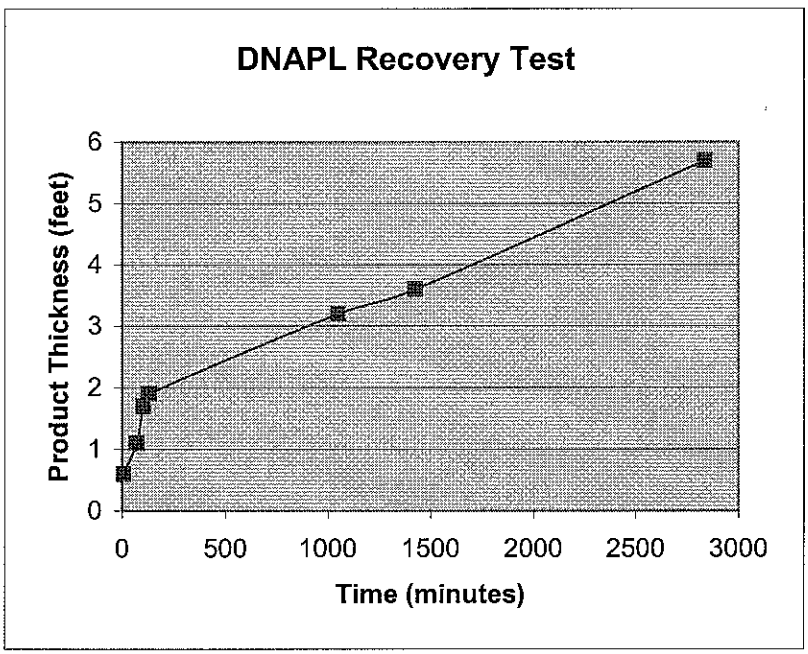
File :J:\1\DATA\E050322\E032120.D
Operator : JAR
Acquired : 23 Mar 2005 9:14 am using AcqMethod 4014SCN1.M
Instrument : El Camino
Sample Name: AI050310-02
Misc Info : A-1-D
Vial Number: 16



APPENDIX G
DNAPL RECOVERY TEST

DNAPL Recovery Test

Day	Time	Time from start (minutes)	Product thickness (feet)
	14:30		6.1
0	16:08	8	0.6
0	17:08	68	1.1
0	17:43	103	1.7
0	18:10	130	1.9
0	9:30	1050	3.2
1	15:45	1425	3.6
1	15:15	2835	5.7
2			



APPENDIX H
ANALYTIC RESULTS - SOIL SAMPLES

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-1(9.5-10)	SB-1(16.5-17)	SB-1(25-25.5)	SB-2(9.5-10)
Lab Sample Number		T1346-15	T1346-16	T1346-17	T1346-04
Sampling Date		01/25/05	01/25/05	01/25/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	65 U	67 U	66 U	0.32 U
1,1,2,2-Tetrachloroethane	79-34-5	78 U	81 U	80 U	0.63 U
1,1,2-Trichloroethane	79-00-5	82 U	85 U	84 U	0.60 U
1,1,2-Trichlorotrifluoroethane	76-13-1	110 U	110 U	110 U	0.55 U
1,1-Dichloroethane	75-34-3	34 U	35 U	35 U	0.42 U
1,1-Dichloroethene	75-35-4	51 U	53 U	52 U	0.26 U
1,2,4-Trichlorobenzene	120-82-1	45 U	47 U	47 U	0.30 U
1,2-Dibromo-3-Chloropropane	96-12-8	150 U	150 U	150 U	0.81 U
1,2-Dibromoethane	106-93-4	100 U	100 U	100 U	0.50 U
1,2-Dichlorobenzene	95-50-1	58 U	60 U	59 U	0.49 U
1,2-Dichloroethane	107-06-2	51 U	53 U	52 U	3.7 U
1,2-Dichloropropane	78-87-5	50 U	52 U	51 U	0.40 U
1,3-Dichlorobenzene	541-73-1	59 U	61 U	60 U	0.25 U
1,4-Dichlorobenzene	106-46-7	61 U	64 U	63 U	0.42 U
2-Butanone	78-93-3	450 U	470 U	460 U	2.7 U
2-Hexanone	591-78-6	100 U	110 U	110 U	3.8 U
4-Methyl-2-Pentanone	108-10-1	210 U	220 U	210 U	2.9 U
Acetone	67-64-1	520 U	540 U	540 U	24 J
Benzene	71-43-2	5400	3200	3300	11
Bromodichloromethane	75-27-4	55 U	57 U	56 U	0.40 U
Bromoform	75-25-2	40 U	41 U	41 U	0.36 U
Bromomethane	74-83-9	120 U	130 U	130 U	0.84 U
Carbon Disulfide	75-15-0	62 U	64 U	63 U	0.12 U
Carbon Tetrachloride	56-23-5	74 U	77 U	76 U	0.35 U
Chlorobenzene	108-90-7	58 U	61 U	60 U	0.42 U
Chloroethane	75-00-3	140 U	150 U	140 U	0.62 U
Chloroform	67-66-3	91 U	95 U	93 U	0.28 U
Chloromethane	74-87-3	110 U	110 U	110 U	0.39 U
cis-1,2-Dichloroethene	156-59-2	120 U	130 U	120 U	0.42 U
cis-1,3-Dichloropropene	10061-01-5	24 U	25 U	25 U	0.23 U
Cyclohexane	110-82-7	3700	1000	2000	0.36 U
Dibromochloromethane	124-48-1	60 U	62 U	61 U	0.35 U
Dichlorodifluoromethane	75-71-8	53 U	55 U	54 U	1.5 U
Ethyl Benzene	100-41-4	19000	6700	12000	3.0 J
Isopropylbenzene	98-82-8	3600	1100	2400	0.44 U
m/p-Xylenes	136777-61-2	38000	13000	24000	3.8 J
Methyl Acetate	79-20-9	130 U	140 U	130 U	1.5 U
Methyl tert-butyl Ether	1634-04-4	57 U	59 U	58 U	0.27 U
Methylcyclohexane	108-87-2	5500	900	3000	0.42 U
Methylene Chloride	75-09-2	98 U	100 U	100 U	2.3 JB
o-Xylene	95-47-6	18000	6100	12000	1.9 J
Styrene	100-42-5	54 U	56 U	56 U	0.37 U
t-1,3-Dichloropropene	10061-02-6	67 U	70 U	69 U	0.30 U
Tetrachloroethene	127-18-4	52 U	54 U	54 U	0.76 U
Toluene	108-88-3	10000	7100	5200	3.4 J
trans-1,2-Dichloroethene	156-60-5	81 U	85 U	83 U	0.44 U
Trichloroethene	79-01-6	110 U	110 U	110 U	0.38 U
Trichlorofluoromethane	75-69-4	91 U	95 U	94 U	2.9 U
Vinyl Chloride	75-01-4	42 U	44 U	43 U	0.28 U
Total Confident Conc. VOC		103200	39100	63900	49.4
Total TICs		287000	219100	213600	14

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-2(13.5-14)	SB-2(32.5-33)	SB-3(9.5-10)	SB-3(9.5-10)DL
Lab Sample Number		T1346-03	T1346-05	T1346-08	T1346-08DL
Sampling Date		01/24/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	68 U	61 U	0.33 U	1.6 UD
1,1,2,2-Tetrachloroethane	79-34-5	83 U	74 U	0.64 U	3.2 UD
1,1,2-Trichloroethane	79-00-5	86 U	77 U	0.61 U	3.0 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	120 U	100 U	0.55 U	2.8 UD
1,1-Dichloroethane	75-34-3	36 U	32 U	0.43 U	2.1 UD
1,1-Dichloroethene	75-35-4	54 U	48 U	0.26 U	1.3 UD
1,2,4-Trichlorobenzene	120-82-1	48 U	43 U	0.30 U	1.5 UD
1,2-Dibromo-3-Chloropropane	96-12-8	160 U	140 U	0.82 U	4.1 UD
1,2-Dibromoethane	106-93-4	110 U	94 U	0.50 U	2.5 UD
1,2-Dichlorobenzene	95-50-1	61 U	54 U	0.49 U	2.5 UD
1,2-Dichloroethane	107-06-2	53 U	48 U	3.7 U	19 UD
1,2-Dichloropropane	78-87-5	53 U	47 U	0.40 U	2.0 UD
1,3-Dichlorobenzene	541-73-1	62 U	55 U	0.25 U	1.3 UD
1,4-Dichlorobenzene	106-46-7	64 U	58 U	0.42 U	2.1 UD
2-Butanone	78-93-3	470 U	420 U	2.7 U	14 UD
2-Hexanone	591-78-6	110 U	98 U	3.9 U	19 UD
4-Methyl-2-Pentanone	108-10-1	220 U	200 U	2.9 U	14 UD
Acetone	67-64-1	550 U	490 U	9.0 U	45 UD
Benzene	71-43-2	2400	350 J	17	1.2 UD
Bromodichloromethane	75-27-4	58 U	52 U	0.40 U	2.0 UD
Bromoform	75-25-2	42 U	38 U	0.36 U	1.8 UD
Bromomethane	74-83-9	130 U	120 U	0.85 U	4.3 UD
Carbon Disulfide	75-15-0	65 U	58 U	2.0 J	0.61 UD
Carbon Tetrachloride	56-23-5	78 U	70 U	0.36 U	1.8 UD
Chlorobenzene	108-90-7	61 U	55 U	0.42 U	2.1 UD
Chloroethane	75-00-3	150 U	130 U	0.63 U	3.2 UD
Chloroform	67-66-3	96 U	86 U	0.29 U	1.4 UD
Chloromethane	74-87-3	110 U	100 U	0.40 U	2.0 UD
cis-1,2-Dichloroethene	156-59-2	130 U	110 U	0.42 U	2.1 UD
cis-1,3-Dichloropropene	10061-01-5	25 U	23 U	0.23 U	1.2 UD
Cyclohexane	110-82-7	61 U	55 U	21	7.3 JD
Dibromochloromethane	124-48-1	63 U	56 U	0.35 U	1.8 UD
Dichlorodifluoromethane	75-71-8	56 U	50 U	1.5 U	7.4 UD
Ethyl Benzene	100-41-4	9100	3200	10	1.5 UD
Isopropylbenzene	98-82-8	2700	570 J	0.45 U	2.2 UD
m/p-Xylenes	136777-61-2	13000	5800	58	3.1 UD
Methyl Acetate	79-20-9	250 J	120 U	1.5 U	7.7 UD
Methyl tert-butyl Ether	1634-04-4	60 U	53 U	0.28 U	1.4 UD
Methylcyclohexane	108-87-2	500 J	89 U	130	43 D
Methylene Chloride	75-09-2	100 U	93 U	2.6 J	4.1 UD
o-Xylene	95-47-6	6700	3200	72	2.6 UD
Styrene	100-42-5	57 U	420 J	0.38 U	1.9 UD
t-1,3-Dichloropropene	10061-02-6	71 U	63 U	0.31 U	1.5 UD
Tetrachloroethene	127-18-4	55 U	49 U	0.77 U	3.8 UD
Toluene	108-88-3	730 J	1100	37	6.3 JD
trans-1,2-Dichloroethene	156-60-5	86 U	76 U	0.45 U	2.2 UD
Trichloroethene	79-01-6	110 U	100 U	0.39 U	1.9 UD
Trichlorofluoromethane	75-69-4	96 U	86 U	3.0 U	15 UD
Vinyl Chloride	75-01-4	44 U	40 U	0.28 U	1.4 UD
Total Confident Conc. VOC		35380	14640	349.6	56.6
Total TICs		377000	128500	1259	7640

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-3(9.5-10)DUP	SB-3(16-16.5)	SB-4(10-10.5)	SB-4(10-10.5)DL
Lab Sample Number		T1346-09	T1346-10	T1346-11	T1346-11DL
Sampling Date		01/24/05	01/24/05	01/25/05	01/25/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	61 U	66 U	0.33 U	63 UD
1,1,2,2-Tetrachloroethane	79-34-5	75 U	80 U	0.65 U	76 UD
1,1,2-Trichloroethane	79-00-5	78 U	84 U	0.62 U	80 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	100 U	110 U	0.57 U	110 UD
1,1-Dichloroethane	75-34-3	32 U	35 U	0.44 U	33 UD
1,1-Dichloroethene	75-35-4	48 U	52 U	0.27 U	50 UD
1,2,4-Trichlorobenzene	120-82-1	43 U	47 U	0.31 U	44 UD
1,2-Dibromo-3-Chloropropane	96-12-8	140 U	150 U	0.84 U	140 UD
1,2-Dibromoethane	106-93-4	95 U	100 U	0.51 U	98 UD
1,2-Dichlorobenzene	95-50-1	55 U	59 U	0.50 U	56 UD
1,2-Dichloroethane	107-06-2	48 U	52 U	3.8 U	49 UD
1,2-Dichloropropane	78-87-5	48 U	51 U	0.41 U	49 UD
1,3-Dichlorobenzene	541-73-1	56 U	60 U	0.26 U	57 UD
1,4-Dichlorobenzene	106-46-7	58 U	63 U	0.43 U	60 UD
2-Butanone	78-93-3	430 U	460 U	2.8 U	440 UD
2-Hexanone	591-78-6	99 U	110 U	3.9 U	100 UD
4-Methyl-2-Pentanone	108-10-1	200 U	210 U	3.0 U	200 UD
Acetone	67-64-1	500 U	540 U	54	510 UD
Benzene	71-43-2	1300	660 J	0.25 U	37 UD
Bromodichloromethane	75-27-4	52 U	56 U	0.41 U	54 UD
Bromoform	75-25-2	38 U	41 U	0.37 U	39 UD
Bromomethane	74-83-9	120 U	130 U	0.87 U	120 UD
Carbon Disulfide	75-15-0	59 U	63 U	6.9	60 UD
Carbon Tetrachloride	56-23-5	71 U	76 U	0.37 U	73 UD
Chlorobenzene	108-90-7	55 U	60 U	0.43 U	57 UD
Chloroethane	75-00-3	130 U	140 U	0.65 U	140 UD
Chloroform	67-66-3	87 U	93 U	0.29 U	89 UD
Chloromethane	74-87-3	100 U	110 U	0.41 U	110 UD
cis-1,2-Dichloroethene	156-59-2	120 U	120 U	0.43 U	120 UD
cis-1,3-Dichloropropene	10061-01-5	23 U	25 U	0.24 U	23 UD
Cyclohexane	110-82-7	1200	690 J	550 E	1000 D
Dibromochloromethane	124-48-1	57 U	61 U	0.36 U	58 UD
Dichlorodifluoromethane	75-71-8	50 U	54 U	1.5 U	52 UD
Ethyl Benzene	100-41-4	650 J	3100	0.31 U	17000 D
Isopropylbenzene	98-82-8	670 J	900	1200 E	4500 D
m/p-Xylenes	136777-61-2	1300 J	5200	7500 E	8100 D
Methyl Acetate	79-20-9	120 U	130 U	1.6 U	130 UD
Methyl tert-butyl Ether	1634-04-4	54 U	58 U	0.28 U	55 UD
Methylcyclohexane	108-87-2	90 U	1700	1200 E	3100 D
Methylene Chloride	75-09-2	94 U	100 U	0.84 U	96 UD
o-Xylene	95-47-6	2200	3400	1700 E	6100 D
Styrene	100-42-5	52 U	56 U	0.39 U	53 UD
t-1,3-Dichloropropene	10061-02-6	64 U	69 U	0.32 U	66 UD
Tetrachloroethene	127-18-4	50 U	54 U	0.78 U	51 UD
Toluene	108-88-3	58 U	760 J	56	60 UD
trans-1,2-Dichloroethene	156-60-5	77 U	83 U	0.46 U	79 UD
Trichloroethene	79-01-6	100 U	110 U	0.40 U	100 UD
Trichlorofluoromethane	75-69-4	87 U	94 U	3.0 U	89 UD
Vinyl Chloride	75-01-4	40 U	43 U	0.29 U	41 UD
Total Confident Conc. VOC		7320	16410	12266.9	39800
Total TICs		127200	87500	811	150000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-4(14.5-15)	SB-5(9-9.5)	SB-5(9-9.5)RE	SB-5(17-17.5)
Lab Sample Number		T1346-14	T1346-18	T1346-18RE	T1346-19
Sampling Date		01/25/05	01/27/05	01/27/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.33 U	0.33 U	0.33 U	62 U
1,1,2,2-Tetrachloroethane	79-34-5	0.65 U	0.65 U	0.65 U	75 U
1,1,2-Trichloroethane	79-00-5	0.62 U	0.62 U	0.62 U	79 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.56 U	0.56 U	0.56 U	110 U
1,1-Dichloroethane	75-34-3	0.43 U	0.43 U	0.43 U	33 U
1,1-Dichloroethene	75-35-4	0.26 U	0.26 U	0.26 U	49 U
1,2,4-Trichlorobenzene	120-82-1	0.30 U	0.30 U	0.30 U	44 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.83 U	0.83 U	0.83 U	140 U
1,2-Dibromoethane	106-93-4	0.51 U	0.51 U	0.51 U	96 U
1,2-Dichlorobenzene	95-50-1	0.50 U	0.50 U	0.50 U	56 U
1,2-Dichloroethane	107-06-2	3.8 U	3.8 U	3.8 U	49 U
1,2-Dichloropropane	78-87-5	0.41 U	0.41 U	0.41 U	48 U
1,3-Dichlorobenzene	541-73-1	0.26 U	0.26 U	0.26 U	57 U
1,4-Dichlorobenzene	106-46-7	0.43 U	0.43 U	0.43 U	59 U
2-Butanone	78-93-3	5.5 J	2.8 U	2.8 U	430 U
2-Hexanone	591-78-6	3.9 U	3.9 U	3.9 U	100 U
4-Methyl-2-Pentanone	108-10-1	2.9 U	2.9 U	2.9 U	200 U
Acetone	67-64-1	34	99	78	500 U
Benzene	71-43-2	0.25 U	0.25 U	0.25 U	920
Bromodichloromethane	75-27-4	0.41 U	0.41 U	0.41 U	53 U
Bromoform	75-25-2	0.36 U	0.36 U	0.36 U	38 U
Bromomethane	74-83-9	0.86 U	0.86 U	0.86 U	120 U
Carbon Disulfide	75-15-0	0.12 U	1.9 J	1.4 J	59 U
Carbon Tetrachloride	56-23-5	0.36 U	0.36 U	0.36 U	72 U
Chlorobenzene	108-90-7	0.43 U	0.43 U	0.43 U	56 U
Chloroethane	75-00-3	0.64 U	0.64 U	0.64 U	130 U
Chloroform	67-66-3	0.29 U	0.29 U	0.29 U	88 U
Chloromethane	74-87-3	0.40 U	0.40 U	0.40 U	100 U
cis-1,2-Dichloroethene	156-59-2	0.43 U	0.43 U	0.43 U	120 U
cis-1,3-Dichloropropene	10061-01-5	0.24 U	0.24 U	0.24 U	23 U
Cyclohexane	110-82-7	0.37 U	31	8.6	890
Dibromochloromethane	124-48-1	0.35 U	0.35 U	0.35 U	58 U
Dichlorodifluoromethane	75-71-8	1.5 U	1.5 U	1.5 U	51 U
Ethyl Benzene	100-41-4	4.0 J	16	2.3 J	2300
Isopropylbenzene	98-82-8	0.45 U	17	5.3 J	250 J
m/p-Xylenes	136777-61-2	3.8 J	37	6.1 J	2200
Methyl Acetate	79-20-9	1.6 U	1.6 U	1.6 U	130 U
Methyl tert-butyl Ether	1634-04-4	0.28 U	0.28 U	0.28 U	55 U
Methylcyclohexane	108-87-2	0.43 U	110	28	1300
Methylene Chloride	75-09-2	0.83 U	0.83 U	1.5 J	95 U
o-Xylene	95-47-6	1.3 J	13	2.1 J	1100
Styrene	100-42-5	0.38 U	0.38 U	0.38 U	52 U
t-1,3-Dichloropropene	10061-02-6	0.31 U	0.31 U	0.31 U	65 U
Tetrachloroethene	127-18-4	0.77 U	0.77 U	0.77 U	50 U
Toluene	108-88-3	0.32 U	2.3 J	0.32 U	350 J
trans-1,2-Dichloroethene	156-60-5	0.45 U	0.45 U	0.45 U	78 U
Trichloroethene	79-01-6	0.39 U	0.39 U	0.39 U	100 U
Trichlorofluoromethane	75-69-4	3.0 U	3.0 U	3.0 U	88 U
Vinyl Chloride	75-01-4	0.29 U	0.29 U	0.29 U	41 U
Total Confident Conc. VOC		48.6	327.2	133.3	9310
Total TICs		789	929	888	44400

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-6(11.5-12)	SB-6(22.5-23)	SB-7(6.5-7)	SB-7(6.5-7)RE
Lab Sample Number		T1346-20	T1346-21	T1346-06	T1346-06RE
Sampling Date		01/27/05	01/27/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	5.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.36 U	0.34 U	1.6 U	1.6 U
1,1,2,2-Tetrachloroethane	79-34-5	0.71 U	0.66 U	3.2 U	3.2 U
1,1,2-Trichloroethane	79-00-5	0.67 U	0.63 U	3.0 U	3.0 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.61 U	0.57 U	2.8 U	2.8 U
1,1-Dichloroethane	75-34-3	0.47 U	0.44 U	2.1 U	2.1 U
1,1-Dichloroethene	75-35-4	0.29 U	0.27 U	1.3 U	1.3 U
1,2,4-Trichlorobenzene	120-82-1	0.33 U	0.31 U	1.5 U	1.5 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.90 U	0.85 U	4.1 U	4.1 U
1,2-Dibromoethane	106-93-4	0.55 U	0.52 U	2.5 U	2.5 U
1,2-Dichlorobenzene	95-50-1	0.55 U	0.51 U	2.5 U	2.5 U
1,2-Dichloroethane	107-06-2	4.1 U	3.8 U	19 U	19 U
1,2-Dichloropropane	78-87-5	0.45 U	0.42 U	2.0 U	2.0 U
1,3-Dichlorobenzene	541-73-1	0.28 U	0.26 U	1.3 U	1.3 U
1,4-Dichlorobenzene	106-46-7	0.47 U	0.44 U	2.1 U	2.1 U
2-Butanone	78-93-3	3.0 U	2.8 U	14 U	14 U
2-Hexanone	591-78-6	4.3 U	4.0 U	19 U	19 U
4-Methyl-2-Pentanone	108-10-1	3.2 U	3.0 U	14 U	14 U
Acetone	67-64-1	23 J	12 J	89 J	45 U
Benzene	71-43-2	3.9 J	6.6	1.2 U	1.2 U
Bromodichloromethane	75-27-4	0.44 U	0.42 U	2.0 U	2.0 U
Bromoform	75-25-2	0.40 U	0.37 U	1.8 U	1.8 U
Bromomethane	74-83-9	0.94 U	0.88 U	4.3 U	4.3 U
Carbon Disulfide	75-15-0	4.0 J	9.5	0.61 U	0.61 U
Carbon Tetrachloride	56-23-5	0.40 U	0.37 U	1.8 U	1.8 U
Chlorobenzene	108-90-7	0.47 U	0.44 U	2.1 U	2.1 U
Chloroethane	75-00-3	0.70 U	0.66 U	3.2 U	3.2 U
Chloroform	67-66-3	0.32 U	0.30 U	1.4 U	1.4 U
Chloromethane	74-87-3	0.44 U	0.41 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	156-59-2	0.47 U	0.44 U	2.1 U	2.1 U
cis-1,3-Dichloropropene	10061-01-5	0.26 U	0.24 U	1.2 U	1.2 U
Cyclohexane	110-82-7	2.9 J	1.8 J	1.8 U	1.8 U
Dibromochloromethane	124-48-1	0.39 U	0.36 U	1.8 U	1.8 U
Dichlorodifluoromethane	75-71-8	1.6 U	1.5 U	7.4 U	7.4 U
Ethyl Benzene	100-41-4	160	12	1.5 U	1.5 U
Isopropylbenzene	98-82-8	13	0.46 U	480	280
m/p-Xylenes	136777-61-2	200	5.0 J	160	3.1 U
Methyl Acetate	79-20-9	1.7 U	1.6 U	7.7 U	7.7 U
Methyl tert-butyl Ether	1634-04-4	0.31 U	0.29 U	1.4 U	1.4 U
Methylcyclohexane	108-87-2	4.5 J	2.8 J	2.1 U	2.1 U
Methylene Chloride	75-09-2	1.4 J	0.85 U	10 JB	12 J
o-Xylene	95-47-6	120	2.6 J	2.6 U	2.6 U
Styrene	100-42-5	0.42 U	0.39 U	1.9 U	1.9 U
t-1,3-Dichloropropene	10061-02-6	0.34 U	0.32 U	1.5 U	1.5 U
Tetrachloroethene	127-18-4	0.85 U	0.79 U	3.8 U	3.8 U
Toluene	108-88-3	3.6 J	0.32 U	1.6 U	1.6 U
trans-1,2-Dichloroethene	156-60-5	0.49 U	0.46 U	2.2 U	2.2 U
Trichloroethene	79-01-6	0.43 U	0.40 U	1.9 U	1.9 U
Trichlorofluoromethane	75-69-4	3.3 U	3.1 U	15 U	15 U
Vinyl Chloride	75-01-4	0.31 U	0.29 U	1.4 U	1.4 U
Total Confident Conc. VOC		536.3	52.3	739	292
Total TICs		682	0	6600	7150

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-7(20-20.5)	SB-8-(7.5-8)	SB-8-(12.5-13)	SB-8-(12.5-13)DL
Lab Sample Number		T1346-07	T1380-13	T1380-14	T1380-14DL
Sampling Date		01/24/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	10.0	1.0	10.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.32 U	630 U	63 U	630 UD
1,1,2,2-Tetrachloroethane	79-34-5	0.63 U	760 U	76 U	760 UD
1,1,2-Trichloroethane	79-00-5	0.60 U	800 U	80 U	800 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	0.55 U	1100 U	110 U	1100 UD
1,1-Dichloroethane	75-34-3	0.42 U	330 U	33 U	330 UD
1,1-Dichloroethene	75-35-4	0.26 U	500 U	50 U	500 UD
1,2,4-Trichlorobenzene	120-82-1	0.30 U	440 U	44 U	440 UD
1,2-Dibromo-3-Chloropropane	96-12-8	0.81 U	1400 U	140 U	1400 UD
1,2-Dibromoethane	106-93-4	0.50 U	980 U	98 U	980 UD
1,2-Dichlorobenzene	95-50-1	0.49 U	560 U	56 U	560 UD
1,2-Dichloroethane	107-06-2	3.7 U	490 U	49 U	490 UD
1,2-Dichloropropane	78-87-5	0.40 U	490 U	49 U	490 UD
1,3-Dichlorobenzene	541-73-1	0.25 U	570 U	57 U	570 UD
1,4-Dichlorobenzene	106-46-7	0.42 U	600 U	60 U	600 UD
2-Butanone	78-93-3	6.4 J	4400 U	440 U	4400 UD
2-Hexanone	591-78-6	3.8 U	1000 U	100 U	1000 UD
4-Methyl-2-Pentanone	108-10-1	2.9 U	2000 U	200 U	2000 UD
Acetone	67-64-1	24 J	5100 U	510 U	5100 UD
Benzene	71-43-2	35	370 U	18000	22000 D
Bromodichloromethane	75-27-4	0.40 U	540 U	54 U	540 UD
Bromoform	75-25-2	0.36 U	390 U	39 U	390 UD
Bromomethane	74-83-9	0.84 U	1200 U	120 U	1200 UD
Carbon Disulfide	75-15-0	6.8	600 U	60 U	600 UD
Carbon Tetrachloride	56-23-5	0.35 U	730 U	73 U	730 UD
Chlorobenzene	108-90-7	0.42 U	570 U	57 U	570 UD
Chloroethane	75-00-3	0.62 U	1400 U	140 U	1400 UD
Chloroform	67-66-3	0.28 U	890 U	89 U	890 UD
Chloromethane	74-87-3	0.39 U	1100 U	110 U	1100 UD
cis-1,2-Dichloroethene	156-59-2	0.42 U	1200 U	120 U	1200 UD
cis-1,3-Dichloropropene	10061-01-5	0.23 U	230 U	23 U	230 UD
Cyclohexane	110-82-7	0.36 U	570 U	6800	9400 JD
Dibromochloromethane	124-48-1	0.35 U	580 U	58 U	580 UD
Dichlorodifluoromethane	75-71-8	1.5 U	520 U	52 U	520 UD
Ethyl Benzene	100-41-4	5.0 J	49000	41000 E	54000 D
Isopropylbenzene	98-82-8	0.44 U	8800 J	4800	6500 JD
m/p-Xylenes	136777-61-2	0.61 U	70000	66000 E	90000 D
Methyl Acetate	79-20-9	1.5 U	1300 U	130 U	1300 UD
Methyl tert-butyl Ether	1634-04-4	0.27 U	550 U	55 U	550 UD
Methylcyclohexane	108-87-2	0.42 U	24000	4000	4600 JD
Methylene Chloride	75-09-2	0.81 U	960 U	96 U	960 UD
o-Xylene	95-47-6	0.51 U	6100 J	34000 E	41000 D
Styrene	100-42-5	0.37 U	530 U	53 U	530 UD
t-1,3-Dichloropropene	10061-02-6	0.30 U	660 U	66 U	660 UD
Tetrachloroethene	127-18-4	0.76 U	510 U	51 U	510 UD
Toluene	108-88-3	0.31 U	600 U	78000 E	110000 D
trans-1,2-Dichloroethene	156-60-5	0.44 U	790 U	79 U	790 UD
Trichloroethene	79-01-6	0.38 U	1000 U	100 U	1000 UD
Trichlorofluoromethane	75-69-4	2.9 U	890 U	89 U	890 UD
Vinyl Chloride	75-01-4	0.28 U	410 U	41 U	410 UD
Total Confident Conc. VOC		77.2	157900	252600	337500
Total TICs		382	625000	287000	415000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-8-(18.5-19)	SB-9-(14.5-15)	SB-9-(14.5-15)DL	SB-9-(18-18.5)
Lab Sample Number		T1380-15	T1380-06	T1380-06DL	T1380-05
Sampling Date		01/31/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		10.0	1.0	10.0	10.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	620 U	63 U	630 UD	610 U
1,1,2,2-Tetrachloroethane	79-34-5	750 U	76 U	760 UD	740 U
1,1,2-Trichloroethane	79-00-5	790 U	80 U	800 UD	770 U
1,1,2-Trichlorotrifluoroethane	76-13-1	1100 U	110 U	1100 UD	1000 U
1,1-Dichloroethane	75-34-3	330 U	33 U	330 UD	320 U
1,1-Dichloroethene	75-35-4	490 U	50 U	500 UD	480 U
1,2,4-Trichlorobenzene	120-82-1	440 U	44 U	440 UD	430 U
1,2-Dibromo-3-Chloropropane	96-12-8	1400 U	140 U	1400 UD	1400 U
1,2-Dibromoethane	106-93-4	960 U	98 U	980 UD	940 U
1,2-Dichlorobenzene	95-50-1	560 U	56 U	560 UD	540 U
1,2-Dichloroethane	107-06-2	490 U	49 U	490 UD	480 U
1,2-Dichloropropane	78-87-5	480 U	49 U	490 UD	470 U
1,3-Dichlorobenzene	541-73-1	570 U	57 U	570 UD	550 U
1,4-Dichlorobenzene	106-46-7	590 U	60 U	600 UD	580 U
2-Butanone	78-93-3	4300 U	440 U	4400 UD	4200 U
2-Hexanone	591-78-6	1000 U	100 U	1000 UD	980 U
4-Methyl-2-Pentanone	108-10-1	2000 U	200 U	2000 UD	2000 U
Acetone	67-64-1	5000 U	510 U	5100 UD	4900 U
Benzene	71-43-2	24000	6900	8000 JD	33000
Bromodichloromethane	75-27-4	530 U	54 U	540 UD	520 U
Bromoform	75-25-2	380 U	39 U	390 UD	380 U
Bromomethane	74-83-9	1200 U	120 U	1200 UD	1200 U
Carbon Disulfide	75-15-0	590 U	670 J	600 UD	580 U
Carbon Tetrachloride	56-23-5	720 U	73 U	730 UD	700 U
Chlorobenzene	108-90-7	560 U	57 U	570 UD	550 U
Chloroethane	75-00-3	1300 U	140 U	1400 UD	1300 U
Chloroform	67-66-3	880 U	89 U	890 UD	860 U
Chloromethane	74-87-3	1000 U	110 U	1100 UD	1000 U
cis-1,2-Dichloroethene	156-59-2	1200 U	120 U	1200 UD	1100 U
cis-1,3-Dichloropropene	10061-01-5	230 U	23 U	230 UD	230 U
Cyclohexane	110-82-7	560 U	10000	10000 JD	550 U
Dibromochloromethane	124-48-1	580 U	58 U	580 UD	560 U
Dichlorodifluoromethane	75-71-8	510 U	52 U	520 UD	500 U
Ethyl Benzene	100-41-4	110000	51000 E	69000 D	200000
Isopropylbenzene	98-82-8	14000 J	5200	6900 JD	18000
m/p-Xylenes	136777-61-2	170000	36000	47000 D	280000
Methyl Acetate	79-20-9	1300 U	130 U	1300 UD	1200 U
Methyl tert-butyl Ether	1634-04-4	550 U	55 U	550 UD	530 U
Methylcyclohexane	108-87-2	910 U	12000	16000 D	26000
Methylene Chloride	75-09-2	950 U	96 U	960 UD	930 U
o-Xylene	95-47-6	80000	3500	4800 JD	26000
Styrene	100-42-5	520 U	53 U	530 UD	510 U
t-1,3-Dichloropropene	10061-02-6	650 U	66 U	660 UD	630 U
Tetrachloroethene	127-18-4	500 U	51 U	510 UD	490 U
Toluene	108-88-3	200000	1300 J	600 UD	5900 J
trans-1,2-Dichloroethene	156-60-5	780 U	79 U	790 UD	760 U
Trichloroethene	79-01-6	1000 U	100 U	1000 UD	1000 U
Trichlorofluoromethane	75-69-4	880 U	89 U	890 UD	860 U
Vinyl Chloride	75-01-4	410 U	41 U	410 UD	400 U
Total Confident Conc. VOC		598000	126570	161700	588900
Total TICs		765000	571000	624000	1459000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-9-(20.5-21)	SB-9-(20.5-21)DL	SB-10(7.5-8)	SB-10(7.5-8)DUP
Lab Sample Number		T1380-07	T1380-07DL	T1346-22	T1346-23
Sampling Date		01/31/05	01/31/05	01/27/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	10.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	63 U	630 UD	0.33 U	0.32 U
1,1,2,2-Tetrachloroethane	79-34-5	76 U	760 UD	0.64 U	0.63 U
1,1,2-Trichloroethane	79-00-5	80 U	800 UD	0.61 U	0.60 U
1,1,2-Trichlorotrifluoroethane	76-13-1	110 U	1100 UD	0.55 U	0.55 U
1,1-Dichloroethane	75-34-3	33 U	330 UD	0.43 U	0.42 U
1,1-Dichloroethene	75-35-4	50 U	500 UD	0.26 U	0.26 U
1,2,4-Trichlorobenzene	120-82-1	44 U	440 UD	0.30 U	0.30 U
1,2-Dibromo-3-Chloropropane	96-12-8	140 U	1400 UD	0.82 U	0.81 U
1,2-Dibromoethane	106-93-4	98 U	980 UD	0.50 U	0.50 U
1,2-Dichlorobenzene	95-50-1	56 U	560 UD	0.49 U	0.49 U
1,2-Dichloroethane	107-06-2	49 U	490 UD	3.7 U	3.7 U
1,2-Dichloropropane	78-87-5	49 U	490 UD	0.40 U	0.40 U
1,3-Dichlorobenzene	541-73-1	57 U	570 UD	0.25 U	0.25 U
1,4-Dichlorobenzene	106-46-7	60 U	600 UD	0.42 U	0.42 U
2-Butanone	78-93-3	440 U	4400 UD	2.7 U	2.7 U
2-Hexanone	591-78-6	100 U	1000 UD	3.9 U	3.8 U
4-Methyl-2-Pentanone	108-10-1	200 U	2000 UD	2.9 U	2.9 U
Acetone	67-64-1	510 U	5100 UD	9.3 J	11 J
Benzene	71-43-2	8300	7300 JD	0.24 U	0.24 U
Bromodichloromethane	75-27-4	54 U	540 UD	0.40 U	0.40 U
Bromoform	75-25-2	39 U	390 UD	0.36 U	0.36 U
Bromomethane	74-83-9	120 U	1200 UD	0.85 U	0.84 U
Carbon Disulfide	75-15-0	190 J	600 UD	1.6 J	0.12 U
Carbon Tetrachloride	56-23-5	73 U	730 UD	0.36 U	0.35 U
Chlorobenzene	108-90-7	57 U	570 UD	0.42 U	0.42 U
Chloroethane	75-00-3	140 U	1400 UD	0.63 U	0.62 U
Chloroform	67-66-3	89 U	890 UD	0.29 U	0.28 U
Chloromethane	74-87-3	110 U	1100 UD	0.40 U	0.39 U
cis-1,2-Dichloroethene	156-59-2	120 U	1200 UD	0.42 U	0.42 U
cis-1,3-Dichloropropene	10061-01-5	23 U	230 UD	0.23 U	0.23 U
Cyclohexane	110-82-7	8500	5500 JD	0.37 U	0.36 U
Dibromochloromethane	124-48-1	58 U	580 UD	0.35 U	0.35 U
Dichlorodifluoromethane	75-71-8	52 U	520 UD	1.5 U	1.5 U
Ethyl Benzene	100-41-4	36000 E	48000 D	0.30 U	0.30 U
Isopropylbenzene	98-82-8	3800	5300 JD	0.45 U	0.44 U
m/p-Xylenes	136777-61-2	37000	51000 D	0.62 U	0.61 U
Methyl Acetate	79-20-9	130 U	1300 UD	1.5 U	1.5 U
Methyl tert-butyl Ether	1634-04-4	55 U	550 UD	0.28 U	0.27 U
Methylcyclohexane	108-87-2	93 U	7100 JD	0.43 U	0.42 U
Methylene Chloride	75-09-2	96 U	960 UD	1.3 J	0.81 U
o-Xylene	95-47-6	3000	4600 JD	0.52 U	0.51 U
Styrene	100-42-5	53 U	530 UD	0.38 U	0.37 U
t-1,3-Dichloropropene	10061-02-6	66 U	660 UD	0.31 U	0.30 U
Tetrachloroethene	127-18-4	51 U	510 UD	0.77 U	0.76 U
Toluene	108-88-3	1300 J	1300 JD	0.31 U	0.31 U
trans-1,2-Dichloroethene	156-60-5	79 U	790 UD	0.45 U	0.44 U
Trichloroethene	79-01-6	100 U	1000 UD	0.39 U	0.38 U
Trichlorofluoromethane	75-69-4	89 U	890 UD	3.0 U	2.9 U
Vinyl Chloride	75-01-4	41 U	410 UD	0.28 U	0.26 U
Total Confident Conc. VOC		98090	130100	12.2	11
Total TICs		420000	489000	0	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-10(22-22.5)	SB-11-(9.5-10)	SB-11-(9.5-10)RE	SB-11-(18.5-19)
Lab Sample Number		T1346-24	T1380-10	T1380-10RE	T1380-11
Sampling Date		01/27/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.32 U	260 J	590 J	65 U
1,1,2,2-Tetrachloroethane	79-34-5	0.62 U	85 U	85 U	78 U
1,1,2-Trichloroethane	79-00-5	0.60 U	89 U	89 U	82 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.54 U	120 U	120 U	110 U
1,1-Dichloroethane	75-34-3	0.42 U	1100 J	2100	34 U
1,1-Dichloroethene	75-35-4	0.25 U	55 U	55 U	51 U
1,2,4-Trichlorobenzene	120-82-1	0.29 U	49 U	49 U	45 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.80 U	160 U	160 U	150 U
1,2-Dibromoethane	106-93-4	0.49 U	110 U	110 U	100 U
1,2-Dichlorobenzene	95-50-1	0.48 U	63 U	63 U	58 U
1,2-Dichloroethane	107-06-2	3.6 U	55 U	55 U	51 U
1,2-Dichloropropane	78-87-5	0.39 U	54 U	54 U	50 U
1,3-Dichlorobenzene	541-73-1	0.25 U	64 U	64 U	59 U
1,4-Dichlorobenzene	106-46-7	0.41 U	66 U	66 U	61 U
2-Butanone	78-93-3	2.7 U	480 U	480 U	450 U
2-Hexanone	591-78-6	3.8 U	110 U	110 U	100 U
4-Methyl-2-Pentanone	108-10-1	2.8 U	230 U	230 U	210 U
Acetone	67-64-1	14 J	1500 J	1900 J	520 U
Benzene	71-43-2	23	400 J	630 J	430 J
Bromodichloromethane	75-27-4	0.39 U	60 U	60 U	55 U
Bromoform	75-25-2	0.35 U	43 U	43 U	40 U
Bromomethane	74-83-9	0.83 U	130 U	130 U	120 U
Carbon Disulfide	75-15-0	0.12 U	67 U	67 U	62 U
Carbon Tetrachloride	56-23-5	0.35 U	80 U	80 U	74 U
Chlorobenzene	108-90-7	0.41 U	63 U	63 U	58 U
Chloroethane	75-00-3	0.62 U	150 U	150 U	140 U
Chloroform	67-66-3	0.28 U	98 U	98 U	91 U
Chloromethane	74-87-3	0.39 U	120 U	120 U	110 U
cis-1,2-Dichloroethene	156-59-2	0.41 U	130 U	130 U	120 U
cis-1,3-Dichloropropene	10061-01-5	0.23 U	26 U	26 U	24 U
Cyclohexane	110-82-7	0.36 U	63 U	63 U	1500 J
Dibromochloromethane	124-48-1	0.34 U	65 U	65 U	60 U
Dichlorodifluoromethane	75-71-8	1.5 U	57 U	57 U	53 U
Ethyl Benzene	100-41-4	14	3700	5100	9500
Isopropylbenzene	98-82-8	0.44 U	460 J	550 J	1100 J
m/p-Xylenes	136777-61-2	3.3 J	16000	25000	34000
Methyl Acetate	79-20-9	1.5 U	140 U	140 U	130 U
Methyl tert-butyl Ether	1634-04-4	0.27 U	61 U	61 U	57 U
Methylcyclohexane	108-87-2	0.42 U	2000	100 U	9300
Methylene Chloride	75-09-2	0.80 U	110 U	110 U	98 U
o-Xylene	95-47-6	1.4 J	2700	4600	8700
Styrene	100-42-5	0.37 U	59 U	59 U	54 U
t-1,3-Dichloropropene	10061-02-6	0.30 U	73 U	73 U	67 U
Tetrachloroethene	127-18-4	0.75 U	57 U	57 U	52 U
Toluene	108-88-3	0.30 U	1900	3600	61 U
trans-1,2-Dichloroethene	156-60-5	0.44 U	88 U	88 U	81 U
Trichloroethene	79-01-6	0.38 U	110 U	110 U	110 U
Trichlorofluoromethane	75-69-4	2.9 U	99 U	99 U	91 U
Vinyl Chloride	75-01-4	0.28 U	46 U	46 U	42 U
Total Confident Conc. VOC		55.7	30020	44070	64530
Total TICs		154.5	159000	198000	228900

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-11-(18.5-19)RE	SB-11-(18.5-19)DUP	SB-12-(4.5-5)	SB-12-(22-22.5)
Lab Sample Number		T1380-11RE	T1380-12	T1380-03	T1380-04
Sampling Date		01/31/05	01/31/05	01/28/05	01/28/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	65 U	65 U	0.36 U	0.35 U
1,1,2,2-Tetrachloroethane	79-34-5	78 U	79 U	0.71 U	0.68 U
1,1,2-Trichloroethane	79-00-5	82 U	83 U	0.67 U	0.65 U
1,1,2-Trichlorotrifluoroethane	76-13-1	110 U	110 U	0.61 U	0.59 U
1,1-Dichloroethane	75-34-3	34 U	34 U	0.47 U	0.45 U
1,1-Dichloroethene	75-35-4	51 U	52 U	0.29 U	0.28 U
1,2,4-Trichlorobenzene	120-82-1	45 U	46 U	0.33 U	0.32 U
1,2-Dibromo-3-Chloropropane	96-12-8	150 U	150 U	0.90 U	0.87 U
1,2-Dibromoethane	106-93-4	100 U	100 U	0.55 U	0.53 U
1,2-Dichlorobenzene	95-50-1	58 U	59 U	0.55 U	0.52 U
1,2-Dichloroethane	107-06-2	51 U	51 U	4.1 U	3.9 U
1,2-Dichloropropane	78-87-5	50 U	51 U	0.45 U	0.43 U
1,3-Dichlorobenzene	541-73-1	59 U	60 U	0.28 U	0.27 U
1,4-Dichlorobenzene	106-46-7	61 U	62 U	0.47 U	0.45 U
2-Butanone	78-93-3	450 U	450 U	3.0 U	2.9 U
2-Hexanone	591-78-6	100 U	110 U	4.3 U	4.1 U
4-Methyl-2-Pentanone	108-10-1	210 U	210 U	3.2 U	3.1 U
Acetone	67-64-1	520 U	530 U	18 JB	20 JB
Benzene	71-43-2	410 J	650 J	4.9 J	29
Bromodichloromethane	75-27-4	55 U	56 U	0.44 U	0.43 U
Bromoform	75-25-2	40 U	40 U	0.40 U	0.38 U
Bromomethane	74-83-9	120 U	130 U	0.94 U	0.91 U
Carbon Disulfide	75-15-0	62 U	62 U	3.7 J	4.7 J
Carbon Tetrachloride	56-23-5	74 U	75 U	0.40 U	0.38 U
Chlorobenzene	108-90-7	58 U	59 U	0.47 U	0.45 U
Chloroethane	75-00-3	140 U	140 U	0.70 U	0.67 U
Chloroform	67-66-3	91 U	92 U	0.32 U	0.30 U
Chloromethane	74-87-3	110 U	110 U	0.44 U	0.42 U
cis-1,2-Dichloroethene	156-59-2	120 U	120 U	0.47 U	0.45 U
cis-1,3-Dichloropropene	10061-01-5	24 U	24 U	0.26 U	0.25 U
Cyclohexane	110-82-7	1200 J	2100	0.41 U	0.39 U
Dibromochloromethane	124-48-1	60 U	61 U	0.39 U	0.37 U
Dichlorodifluoromethane	75-71-8	53 U	54 U	1.6 U	1.6 U
Ethyl Benzene	100-41-4	9100	12000	2.3 J	6.8 J
Isopropylbenzene	98-82-8	1200 J	1800	0.49 U	0.47 U
m/p-Xylenes	136777-61-2	34000	44000	4.9 J	11 J
Methyl Acetate	79-20-9	130 U	130 U	1.7 U	1.6 U
Methyl tert-butyl Ether	1634-04-4	57 U	58 U	0.31 U	0.29 U
Methylcyclohexane	108-87-2	9400	14000	0.47 U	0.46 U
Methylene Chloride	75-09-2	98 U	100 U	1.6 J	3.5 J
o-Xylene	95-47-6	8900	11000	0.58 U	1.6 J
Styrene	100-42-5	54 U	55 U	0.42 U	0.40 U
t-1,3-Dichloropropene	10061-02-6	67 U	68 U	0.34 U	0.33 U
Tetrachloroethene	127-18-4	52 U	53 U	0.85 U	0.81 U
Toluene	108-88-3	61 U	62 U	0.35 U	2.4 J
trans-1,2-Dichloroethene	156-60-5	81 U	82 U	0.49 U	0.48 U
Trichloroethene	79-01-6	110 U	110 U	0.43 U	0.41 U
Trichlorofluoromethane	75-69-4	91 U	92 U	3.3 U	3.2 U
Vinyl Chloride	75-01-4	42 U	43 U	0.31 U	0.30 U
Total Confident Conc. VOC		64210	85550	35.4	79
Total TICs		232300	352000	0	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-13-(10-10.5)	SB-13-(21-21.5)	SB-14(6.5-7)	SB-14(19.5-20.0)
Lab Sample Number		T1380-02	T1380-01	T1346-01	T1346-02
Sampling Date		01/28/05	01/28/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		5.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	4.0 U	0.33 U	0.33 U	0.34 U
1,1,2,2-Tetrachloroethane	79-34-5	7.8 U	0.65 U	0.65 U	0.66 U
1,1,2-Trichloroethane	79-00-5	7.4 U	0.62 U	0.62 U	0.63 U
1,1,2-Trichlorotrifluoroethane	76-13-1	6.8 U	0.57 U	0.56 U	0.57 U
1,1-Dichloroethane	75-34-3	5.2 U	0.44 U	0.43 U	0.44 U
1,1-Dichloroethene	75-35-4	3.2 U	0.27 U	0.26 U	0.27 U
1,2,4-Trichlorobenzene	120-82-1	3.7 U	0.31 U	0.30 U	0.31 U
1,2-Dibromo-3-Chloropropane	96-12-8	10 U	0.84 U	0.83 U	0.85 U
1,2-Dibromoethane	106-93-4	6.1 U	0.51 U	0.51 U	0.52 U
1,2-Dichlorobenzene	95-50-1	6.0 U	0.50 U	0.50 U	0.51 U
1,2-Dichloroethane	107-06-2	45 U	3.8 U	3.8 U	3.8 U
1,2-Dichloropropane	78-87-5	4.9 U	0.41 U	0.41 U	0.42 U
1,3-Dichlorobenzene	541-73-1	3.1 U	0.26 U	0.26 U	0.26 U
1,4-Dichlorobenzene	106-46-7	5.2 U	0.43 U	0.43 U	0.44 U
2-Butanone	78-93-3	33 U	2.8 U	2.8 U	8.1 J
2-Hexanone	591-78-6	47 U	3.9 U	3.9 U	4.0 U
4-Methyl-2-Pentanone	108-10-1	35 U	3.0 U	2.9 U	3.0 U
Acetone	67-64-1	100 J	25 JB	9.1 U	38
Benzene	71-43-2	3.0 U	98	6.6	19
Bromodichloromethane	75-27-4	4.9 U	0.41 U	0.41 U	0.42 U
Bromoform	75-25-2	4.4 U	0.37 U	0.36 U	0.37 U
Bromomethane	74-83-9	10 U	0.87 U	0.86 U	0.88 U
Carbon Disulfide	75-15-0	1.5 U	7.6 J	0.12 U	6.4
Carbon Tetrachloride	56-23-5	4.4 U	0.37 U	0.36 U	0.37 U
Chlorobenzene	108-90-7	5.2 U	0.43 U	0.43 U	0.44 U
Chloroethane	75-00-3	7.7 U	0.65 U	0.64 U	0.66 U
Chloroform	67-66-3	3.5 U	0.29 U	0.29 U	0.30 U
Chloromethane	74-87-3	4.9 U	0.41 U	0.40 U	0.41 U
cis-1,2-Dichloroethene	156-59-2	5.2 U	0.43 U	0.43 U	0.44 U
cis-1,3-Dichloropropene	10061-01-5	2.9 U	0.24 U	0.24 U	0.24 U
Cyclohexane	110-82-7	4.5 U	0.38 U	0.37 U	0.38 U
Dibromochloromethane	124-48-1	4.3 U	0.36 U	0.35 U	0.36 U
Dichlorodifluoromethane	75-71-8	18 U	1.5 U	1.5 U	1.5 U
Ethyl Benzene	100-41-4	3.7 U	6.3 J	2.5 J	93
Isopropylbenzene	98-82-8	5.4 U	0.46 U	0.45 U	41
m/p-Xylenes	136777-61-2	7.6 U	8.6 J	2.5 J	4.5 J
Methyl Acetate	79-20-9	19 U	1.6 U	1.6 U	1.6 U
Methyl tert-butyl Ether	1634-04-4	3.4 U	0.28 U	0.28 U	0.29 U
Methylcyclohexane	108-87-2	5.2 U	0.44 U	0.43 U	7.6
Methylene Chloride	75-09-2	29 J	1.6 J	2.1 JB	3.0 J
o-Xylene	95-47-6	6.4 U	1.9 J	0.53 U	11
Styrene	100-42-5	4.6 U	0.39 U	0.38 U	0.39 U
t-1,3-Dichloropropene	10061-02-6	3.8 U	0.32 U	0.31 U	0.32 U
Tetrachloroethene	127-18-4	9.3 U	0.78 U	0.77 U	0.79 U
Toluene	108-88-3	3.8 U	1.7 J	2.4 J	0.32 U
trans-1,2-Dichloroethene	156-60-5	5.5 U	0.46 U	0.45 U	0.46 U
Trichloroethene	79-01-6	4.7 U	0.40 U	0.39 U	0.40 U
Trichlorofluoromethane	75-69-4	36 U	3.0 U	3.0 U	3.1 U
Vinyl Chloride	75-01-4	3.5 U	0.29 U	0.29 U	0.29 U
Total Confident Conc. VOC		129	150.7	16.1	231.6
Total TICs		0	0	0	2090

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-15(11.5-12)	SB-15(11.5-12)RE	SB-15(20-20.5)	SB-16(17-17.5)
Lab Sample Number		T1669-01	T1669-01RE	T1669-02	T1669-03
Sampling Date		02/21/05	02/21/05	02/21/05	02/21/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	10.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.34 U	3.4 U	0.34 U	0.34 U
1,1,2,2-Tetrachloroethane	79-34-5	0.66 U	6.6 U	0.67 U	0.66 U
1,1,2-Trichloroethane	79-00-5	0.63 U	6.3 U	0.64 U	0.63 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.57 U	5.7 U	0.58 U	0.57 U
1,1-Dichloroethane	75-34-3	0.44 U	4.4 U	0.45 U	0.44 U
1,1-Dichloroethene	75-35-4	0.27 U	2.7 U	0.27 U	0.27 U
1,2,4-Trichlorobenzene	120-82-1	0.31 U	3.1 U	0.32 U	0.31 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.85 U	8.5 U	0.86 U	0.85 U
1,2-Dibromoethane	106-93-4	0.52 U	5.2 U	0.53 U	0.52 U
1,2-Dichlorobenzene	95-50-1	0.51 U	5.1 U	0.52 U	0.51 U
1,2-Dichloroethane	107-06-2	3.8 U	38 U	3.9 U	3.8 U
1,2-Dichloropropane	78-87-5	0.42 U	4.2 U	0.42 U	0.42 U
1,3-Dichlorobenzene	541-73-1	0.26 U	2.6 U	0.27 U	0.26 U
1,4-Dichlorobenzene	106-46-7	0.44 U	4.4 U	0.44 U	0.44 U
2-Butanone	78-93-3	2.8 U	28 U	2.9 U	8.6 J
2-Hexanone	591-78-6	4.0 U	40 U	4.0 U	4.0 U
4-Methyl-2-Pentanone	108-10-1	3.0 U	30 U	3.0 U	3.0 U
Acetone	67-64-1	200 B	480 B	57 B	58 B
Benzene	71-43-2	1.9 J	2.5 U	36	67
Bromodichloromethane	75-27-4	0.42 U	4.2 U	0.42 U	0.42 U
Bromoform	75-25-2	0.37 U	3.7 U	0.38 U	0.37 U
Bromomethane	74-83-9	0.88 U	8.8 U	0.90 U	0.88 U
Carbon Disulfide	75-15-0	0.13 U	1.3 U	2.4 J	0.13 U
Carbon Tetrachloride	56-23-5	0.37 U	3.7 U	0.38 U	0.37 U
Chlorobenzene	108-90-7	0.44 U	4.4 U	0.45 U	0.44 U
Chloroethane	75-00-3	0.66 U	6.6 U	0.66 U	0.66 U
Chloroform	67-66-3	0.30 U	3.0 U	0.30 U	0.30 U
Chloromethane	74-87-3	0.41 U	4.1 U	0.42 U	0.41 U
cis-1,2-Dichloroethene	156-59-2	0.44 U	4.4 U	0.45 U	0.44 U
cis-1,3-Dichloropropene	10061-01-5	0.24 U	2.4 U	0.25 U	0.24 U
Cyclohexane	110-82-7	0.38 U	3.8 U	7.3	0.38 U
Dibromochloromethane	124-48-1	0.36 U	3.6 U	0.37 U	0.36 U
Dichlorodifluoromethane	75-71-8	1.5 U	15 U	1.6 U	1.5 U
Ethyl Benzene	100-41-4	90	100	24	0.31 U
Isopropylbenzene	98-82-8	34	41 J	4.6 J	0.46 U
m/p-Xylenes	136777-61-2	130	160	45	0.64 U
Methyl Acetate	79-20-9	1.6 U	16 U	1.6 U	1.6 U
Methyl tert-butyl Ether	1634-04-4	0.29 U	2.9 U	0.29 U	0.29 U
Methylcyclohexane	108-87-2	0.44 U	4.4 U	18	0.44 U
Methylene Chloride	75-09-2	0.85 U	14 JB	0.86 U	0.85 U
o-Xylene	95-47-6	18	22 J	5.6 J	0.54 U
Styrene	100-42-5	0.39 U	3.9 U	0.40 U	0.39 U
t-1,3-Dichloropropene	10061-02-6	0.32 U	3.2 U	0.32 U	0.32 U
Tetrachloroethene	127-18-4	0.79 U	7.9 U	0.80 U	0.79 U
Toluene	108-88-3	0.32 U	3.2 U	0.33 U	1.9 J
trans-1,2-Dichloroethene	156-60-5	0.46 U	4.6 U	0.47 U	0.46 U
Trichloroethene	79-01-6	0.40 U	4.0 U	0.41 U	0.40 U
Trichlorofluoromethane	75-69-4	3.1 U	31 U	3.1 U	3.1 U
Vinyl Chloride	75-01-4	0.29 U	2.9 U	0.30 U	0.29 U
Total Confident Conc. VOC		473.9	817	199.9	135.5
Total TICs		1131	9620	851	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-16(21.5-22)	SB-16(28-28.5)	SB-17(12-12.5)	SB-17(24-24.5)
Lab Sample Number		T1669-21	T1669-04	T1669-05	T1669-08
Sampling Date		02/21/05	02/21/05	02/21/05	02/21/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	80 U	0.33 U	0.50 U	0.33 U
1,1,2,2-Tetrachloroethane	79-34-5	97 U	0.65 U	0.98 U	0.65 U
1,1,2-Trichloroethane	79-00-5	100 U	0.62 U	0.94 U	0.62 U
1,1,2-Trichlorotrifluoroethane	76-13-1	140 U	0.56 U	0.85 U	0.56 U
1,1-Dichloroethane	75-34-3	42 U	0.43 U	0.65 U	0.43 U
1,1-Dichloroethene	75-35-4	63 U	0.26 U	0.40 U	0.26 U
1,2,4-Trichlorobenzene	120-82-1	56 U	0.30 U	0.46 U	0.30 U
1,2-Dibromo-3-Chloropropane	96-12-8	180 U	0.83 U	1.3 U	0.83 U
1,2-Dibromoethane	106-93-4	120 U	0.51 U	0.77 U	0.51 U
1,2-Dichlorobenzene	95-50-1	71 U	0.50 U	0.76 U	0.50 U
1,2-Dichloroethane	107-06-2	62 U	3.8 U	5.7 U	3.8 U
1,2-Dichloropropane	78-87-5	62 U	0.41 U	0.62 U	0.41 U
1,3-Dichlorobenzene	541-73-1	73 U	0.26 U	0.39 U	0.26 U
1,4-Dichlorobenzene	106-46-7	76 U	0.43 U	0.65 U	0.43 U
2-Butanone	78-93-3	550 U	2.8 U	4.2 U	12 J
2-Hexanone	591-78-6	130 U	3.9 U	5.9 U	3.9 U
4-Methyl-2-Pentanone	108-10-1	260 U	2.9 U	4.4 U	2.9 U
Acetone	67-64-1	650 U	55 B	46 JB	80 B
Benzene	71-43-2	18000	5.0 J	5.7 J	11
Bromodichloromethane	75-27-4	68 U	0.41 U	0.62 U	0.41 U
Bromoform	75-25-2	49 U	0.36 U	0.55 U	0.36 U
Bromomethane	74-83-9	150 U	0.86 U	1.3 U	0.86 U
Carbon Disulfide	75-15-0	76 U	0.12 U	0.19 U	0.12 U
Carbon Tetrachloride	56-23-5	92 U	0.36 U	0.55 U	0.36 U
Chlorobenzene	108-90-7	72 U	2.2 J	0.65 U	0.43 U
Chloroethane	75-00-3	170 U	0.64 U	0.97 U	0.64 U
Chloroform	67-66-3	110 U	0.29 U	0.44 U	0.29 U
Chloromethane	74-87-3	130 U	0.40 U	0.61 U	0.40 U
cis-1,2-Dichloroethene	156-59-2	150 U	0.43 U	0.65 U	0.43 U
cis-1,3-Dichloropropene	10061-01-5	30 U	0.24 U	0.36 U	0.24 U
Cyclohexane	110-82-7	72 U	22	0.56 U	0.37 U
Dibromochloromethane	124-48-1	74 U	0.35 U	0.54 U	0.35 U
Dichlorodifluoromethane	75-71-8	65 U	1.5 U	2.3 U	1.5 U
Ethyl Benzene	100-41-4	940 J	210	7.1 J	4.9 J
Isopropylbenzene	98-82-8	65 U	100	0.69 U	0.45 U
m/p-Xylenes	136777-61-2	1500 J	42	9.2 J	0.63 U
Methyl Acetate	79-20-9	160 U	1.6 U	2.4 U	1.6 U
Methyl tert-butyl Ether	1634-04-4	70 U	0.28 U	0.42 U	0.28 U
Methylcyclohexane	108-87-2	120 U	190	0.66 U	0.43 U
Methylene Chloride	75-09-2	120 U	0.83 U	1.3 U	2.1 JB
o-Xylene	95-47-6	610 J	13	2.8 J	0.53 U
Styrene	100-42-5	67 U	0.38 U	0.58 U	0.38 U
t-1,3-Dichloropropene	10061-02-6	83 U	0.31 U	0.47 U	0.31 U
Tetrachloroethene	127-18-4	64 U	0.77 U	1.2 U	0.77 U
Toluene	108-88-3	11000	11	7.3 J	0.32 U
trans-1,2-Dichloroethene	156-60-5	100 U	0.45 U	0.69 U	0.45 U
Trichloroethene	79-01-6	130 U	0.39 U	0.59 U	0.39 U
Trichlorofluoromethane	75-69-4	110 U	3.0 U	4.6 U	3.0 U
Vinyl Chloride	75-01-4	52 U	0.29 U	0.44 U	0.29 U
Total Confident Conc. VOC		32050	650.2	78.1	110
Total TICs		1300	1580	0	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-18(12-12.5)	SB-18(9.5-10)	SB-19(13-13.5)	SB-19(13-13.5)DL
Lab Sample Number		T1669-09	T1669-10	T1669-11	T1669-11DL
Sampling Date		02/21/05	02/21/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	10.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	63 U	61 U	65 U	650 UD
1,1,2,2-Tetrachloroethane	79-34-5	76 U	75 U	78 U	780 UD
1,1,2-Trichloroethane	79-00-5	80 U	78 U	82 U	820 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	110 U	100 U	110 U	1100 UD
1,1-Dichloroethane	75-34-3	33 U	32 U	34 U	340 UD
1,1-Dichloroethene	75-35-4	50 U	48 U	51 U	510 UD
1,2,4-Trichlorobenzene	120-82-1	44 U	43 U	45 U	450 UD
1,2-Dibromo-3-Chloropropane	96-12-8	140 U	140 U	150 U	1500 UD
1,2-Dibromoethane	106-93-4	98 U	95 U	100 U	1000 UD
1,2-Dichlorobenzene	95-50-1	56 U	55 U	58 U	580 UD
1,2-Dichloroethane	107-06-2	49 U	48 U	51 U	510 UD
1,2-Dichloropropane	78-87-5	49 U	48 U	50 U	500 UD
1,3-Dichlorobenzene	541-73-1	57 U	56 U	59 U	590 UD
1,4-Dichlorobenzene	106-46-7	60 U	58 U	61 U	610 UD
2-Butanone	78-93-3	440 U	430 U	450 U	4500 UD
2-Hexanone	591-78-6	100 U	99 U	100 U	1000 UD
4-Methyl-2-Pentanone	108-10-1	200 U	200 U	210 U	2100 UD
Acetone	67-64-1	510 U	500 U	520 U	5200 UD
Benzene	71-43-2	37 U	8000	5400	4800 JD
Bromodichloromethane	75-27-4	54 U	52 U	55 U	550 UD
Bromoform	75-25-2	39 U	38 U	40 U	400 UD
Bromomethane	74-83-9	120 U	120 U	120 U	1200 UD
Carbon Disulfide	75-15-0	60 U	59 U	62 U	620 UD
Carbon Tetrachloride	56-23-5	73 U	71 U	74 U	740 UD
Chlorobenzene	108-90-7	57 U	55 U	58 U	580 UD
Chloroethane	75-00-3	140 U	130 U	140 U	1400 UD
Chloroform	67-66-3	89 U	87 U	91 U	910 UD
Chloromethane	74-87-3	110 U	100 U	110 U	1100 UD
cis-1,2-Dichloroethene	156-59-2	120 U	120 U	120 U	1200 UD
cis-1,3-Dichloropropene	10061-01-5	23 U	23 U	24 U	240 UD
Cyclohexane	110-82-7	450 J	700 J	58 U	580 UD
Dibromochloromethane	124-48-1	58 U	57 U	60 U	600 UD
Dichlorodifluoromethane	75-71-8	52 U	50 U	53 U	530 UD
Ethyl Benzene	100-41-4	1500	2700	34000 E	30000 D
Isopropylbenzene	98-82-8	430 J	920	2900	2500 JD
m/p-Xylenes	136777-61-2	1300 J	4200	59000	57000 D
Methyl Acetate	79-20-9	130 U	120 U	130 U	1300 UD
Methyl tert-butyl Ether	1634-04-4	55 U	54 U	57 U	570 UD
Methylcyclohexane	108-87-2	880	6200	3000	950 UD
Methylene Chloride	75-09-2	96 U	94 U	98 U	980 UD
o-Xylene	95-47-6	250 J	1100	9200	8000 D
Styrene	100-42-5	53 U	52 U	54 U	540 UD
t-1,3-Dichloropropene	10061-02-6	66 U	64 U	67 U	670 UD
Tetrachloroethene	127-18-4	51 U	50 U	52 U	520 UD
Toluene	108-88-3	200 J	6300	830	840 JD
trans-1,2-Dichloroethene	156-60-5	79 U	77 U	81 U	810 UD
Trichloroethene	79-01-6	100 U	100 U	110 U	1100 UD
Trichlorofluoromethane	75-69-4	89 U	87 U	91 U	910 UD
Vinyl Chloride	75-01-4	41 U	40 U	42 U	420 UD
Total Confident Conc. VOC		5010	30120	114330	103140
Total TICs		17000	146800	261000	318000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-19(13-13.5)DUP	SB-19(13-13.5)DUPDL	SB-19(7.5-8)	SB-19(7.5-8)DL
Lab Sample Number		T1669-12	T1669-12DL	T1669-13	T1669-13DL
Sampling Date		02/22/05	02/22/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	10.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	61 U	610 UD	62 U	310 UD
1,1,2,2-Tetrachloroethane	79-34-5	75 U	750 UD	75 U	380 UD
1,1,2-Trichloroethane	79-00-5	78 U	780 UD	79 U	390 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	100 U	1000 UD	110 U	530 UD
1,1-Dichloroethane	75-34-3	32 U	320 UD	33 U	160 UD
1,1-Dichloroethene	75-35-4	48 U	480 UD	49 U	250 UD
1,2,4-Trichlorobenzene	120-82-1	43 U	430 UD	44 U	220 UD
1,2-Dibromo-3-Chloropropane	96-12-8	140 U	1400 UD	140 U	710 UD
1,2-Dibromoethane	106-93-4	95 U	950 UD	96 U	480 UD
1,2-Dichlorobenzene	95-50-1	55 U	550 UD	56 U	280 UD
1,2-Dichloroethane	107-06-2	48 U	480 UD	49 U	240 UD
1,2-Dichloropropane	78-87-5	48 U	480 UD	48 U	240 UD
1,3-Dichlorobenzene	541-73-1	56 U	560 UD	57 U	280 UD
1,4-Dichlorobenzene	106-46-7	58 U	580 UD	59 U	290 UD
2-Butanone	78-93-3	430 U	4300 UD	430 U	2200 UD
2-Hexanone	591-78-6	99 U	990 UD	100 U	500 UD
4-Methyl-2-Pentanone	108-10-1	12000	2000 UD	200 U	1000 UD
Acetone	67-64-1	500 U	5000 UD	500 U	2500 UD
Benzene	71-43-2	28000	28000 D	1700	1300 JD
Bromodichloromethane	75-27-4	52 U	520 UD	53 U	270 UD
Bromoform	75-25-2	38 U	380 UD	38 U	190 UD
Bromomethane	74-83-9	120 U	1200 UD	120 U	600 UD
Carbon Disulfide	75-15-0	59 U	590 UD	360 J	300 UD
Carbon Tetrachloride	56-23-5	71 U	710 UD	72 U	360 UD
Chlorobenzene	108-90-7	55 U	550 UD	56 U	280 UD
Chloroethane	75-00-3	130 U	1300 UD	130 U	670 UD
Chloroform	67-66-3	87 U	870 UD	88 U	440 UD
Chloromethane	74-87-3	100 U	1000 UD	100 U	520 UD
cis-1,2-Dichloroethene	156-59-2	120 U	1200 UD	120 U	590 UD
cis-1,3-Dichloropropene	10061-01-5	23 U	230 UD	23 U	120 UD
Cyclohexane	110-82-7	5500	4400 JD	1500	280 UD
Dibromochloromethane	124-48-1	57 U	570 UD	58 U	290 UD
Dichlorodifluoromethane	75-71-8	50 U	500 UD	51 U	250 UD
Ethyl Benzene	100-41-4	130000 E	150000 D	44000 E	45000 D
Isopropylbenzene	98-82-8	12000	11000 D	4000	4200 D
m/p-Xylenes	136777-61-2	200000 E	250000 D	28000	25000 D
Methyl Acetate	79-20-9	120 U	1200 UD	130 U	630 UD
Methyl tert-butyl Ether	1634-04-4	54 U	540 UD	55 U	270 UD
Methylcyclohexane	108-87-2	16000	15000 D	5300	5300 D
Methylene Chloride	75-09-2	94 U	940 UD	95 U	470 UD
o-Xylene	95-47-6	25000	25000 D	3100	2800 JD
Styrene	100-42-5	52 U	520 UD	52 U	260 UD
t-1,3-Dichloropropene	10061-02-6	64 U	640 UD	65 U	320 UD
Tetrachloroethene	127-18-4	50 U	500 UD	50 U	250 UD
Toluene	108-88-3	3500	3600 JD	510 J	560 JD
trans-1,2-Dichloroethene	156-60-5	77 U	770 UD	78 U	390 UD
Trichloroethene	79-01-6	100 U	1000 UD	100 U	510 UD
Trichlorofluoromethane	75-69-4	87 U	870 UD	88 U	440 UD
Vinyl Chloride	75-01-4	40 U	400 UD	41 U	200 UD
Total Confident Conc. VOC		432000	487000	88470	84160
Total TICs		586000	1171000	390000	437000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-20(8-8.5)	SB-20(17-17.5)	SB-21(9.5-10)	SB-21(9.5-10)DL
Lab Sample Number		T1669-14	T1669-15	T1669-16	T1669-16DL
Sampling Date		02/22/05	02/22/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL
Dilution Factor		10.0	1.0	1.0	10.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	580 U	94 U	64 U	640 UD
1,1,2,2-Tetrachloroethane	79-34-5	700 U	110 U	77 U	770 UD
1,1,2-Trichloroethane	79-00-5	730 U	120 U	81 U	810 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	980 U	160 U	110 U	1100 UD
1,1-Dichloroethane	75-34-3	310 U	50 U	34 U	340 UD
1,1-Dichloroethene	75-35-4	460 U	75 U	50 U	500 UD
1,2,4-Trichlorobenzene	120-82-1	410 U	66 U	45 U	450 UD
1,2-Dibromo-3-Chloropropane	96-12-8	1300 U	220 U	150 U	1500 UD
1,2-Dibromoethane	106-93-4	900 U	150 U	99 U	990 UD
1,2-Dichlorobenzene	95-50-1	520 U	85 U	57 U	570 UD
1,2-Dichloroethane	107-06-2	450 U	74 U	50 U	500 UD
1,2-Dichloropropane	78-87-5	450 U	73 U	50 U	500 UD
1,3-Dichlorobenzene	541-73-1	530 U	86 U	58 U	580 UD
1,4-Dichlorobenzene	106-46-7	550 U	90 U	60 U	600 UD
2-Butanone	78-93-3	4000 U	660 U	440 U	4400 UD
2-Hexanone	591-78-6	940 U	150 U	100 U	1000 UD
4-Methyl-2-Pentanone	108-10-1	11000 J	310 U	210 U	2100 UD
Acetone	67-64-1	4700 U	770 U	520 U	5200 UD
Benzene	71-43-2	3000 J	20000	1700	1600 JD
Bromodichloromethane	75-27-4	490 U	81 U	54 U	540 UD
Bromoform	75-25-2	360 U	58 U	39 U	390 UD
Bromomethane	74-83-9	1100 U	180 U	120 U	1200 UD
Carbon Disulfide	75-15-0	550 U	90 U	61 U	610 UD
Carbon Tetrachloride	56-23-5	670 U	110 U	73 U	730 UD
Chlorobenzene	108-90-7	520 U	85 U	58 U	580 UD
Chloroethane	75-00-3	1300 U	200 U	140 U	1400 UD
Chloroform	67-66-3	820 U	130 U	90 U	900 UD
Chloromethane	74-87-3	970 U	160 U	110 U	1100 UD
cis-1,2-Dichloroethene	156-59-2	1100 U	180 U	120 U	1200 UD
cis-1,3-Dichloropropene	10061-01-5	220 U	35 U	24 U	240 UD
Cyclohexane	110-82-7	520 U	85 U	5300	4800 JD
Dibromochloromethane	124-48-1	540 U	87 U	59 U	590 UD
Dichlorodifluoromethane	75-71-8	470 U	77 U	52 U	520 UD
Ethyl Benzene	100-41-4	49000	910 J	26000	24000 D
Isopropylbenzene	98-82-8	9800	77 U	7100	6900 JD
m/p-Xylenes	136777-61-2	140000	1400 J	10000	8700 JD
Methyl Acetate	79-20-9	1200 U	190 U	130 U	1300 UD
Methyl tert-butyl Ether	1634-04-4	510 U	83 U	56 U	560 UD
Methylcyclohexane	108-87-2	2600 J	140 U	69000 E	67000 D
Methylene Chloride	75-09-2	880 U	140 U	97 U	970 UD
o-Xylene	95-47-6	52000	610 J	1000	1100 JD
Styrene	100-42-5	490 U	79 U	53 U	530 UD
t-1,3-Dichloropropene	10061-02-6	600 U	98 U	66 U	660 UD
Tetrachloroethene	127-18-4	470 U	76 U	52 U	520 UD
Toluene	108-88-3	3900 J	22000	940	1100 JD
trans-1,2-Dichloroethene	156-60-5	730 U	120 U	80 U	800 UD
Trichloroethene	79-01-6	950 U	160 U	100 U	1000 UD
Trichlorofluoromethane	75-69-4	820 U	130 U	90 U	900 UD
Vinyl Chloride	75-01-4	380 U	62 U	42 U	420 UD
Total Confident Conc. VOC		271300	44920	121040	115200
Total TICs		1915000	2700	342000	967000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		SB-21(12-12.5)	SB-21(20.5-21)	TRIPBLANK	TRIPBLANK2
Lab Sample Number		T1669-17	T1669-18	T1346-26	T1380-16
Sampling Date		02/22/05	02/22/05	01/27/05	01/31/05
Matrix		SOIL	SOIL	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	64 U	57 U	0.41 U	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	77 U	70 U	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	81 U	73 U	0.52 U	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	110 U	97 U	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	34 U	30 U	0.22 U	0.22 U
1,1-Dichloroethene	75-35-4	50 U	45 U	0.32 U	0.32 U
1,2,4-Trichlorobenzene	120-82-1	45 U	40 U	0.29 U	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	150 U	130 U	0.94 U	0.94 U
1,2-Dibromoethane	106-93-4	99 U	89 U	0.63 U	0.63 U
1,2-Dichlorobenzene	95-50-1	57 U	51 U	0.37 U	0.37 U
1,2-Dichloroethane	107-06-2	50 U	45 U	0.32 U	0.32 U
1,2-Dichloropropane	78-87-5	50 U	45 U	0.63 U	0.63 U
1,3-Dichlorobenzene	541-73-1	58 U	52 U	0.37 U	0.37 U
1,4-Dichlorobenzene	106-46-7	60 U	54 U	0.39 U	0.39 U
2-Butanone	78-93-3	440 U	400 U	2.8 U	2.8 U
2-Hexanone	591-78-6	100 U	93 U	0.66 U	0.66 U
4-Methyl-2-Pentanone	108-10-1	210 U	190 U	1.3 U	1.3 U
Acetone	67-64-1	520 U	460 U	3.3 U	3.3 U
Benzene	71-43-2	530 J	400 J	0.24 U	0.24 U
Bromodichloromethane	75-27-4	54 U	49 U	0.35 U	0.35 U
Bromoform	75-25-2	39 U	35 U	0.25 U	0.25 U
Bromomethane	74-83-9	120 U	110 U	0.78 U	0.78 U
Carbon Disulfide	75-15-0	61 U	55 U	0.39 U	0.39 U
Carbon Tetrachloride	56-23-5	73 U	66 U	0.47 U	0.47 U
Chlorobenzene	108-90-7	58 U	52 U	0.37 U	0.37 U
Chloroethane	75-00-3	140 U	120 U	0.88 U	0.88 U
Chloroform	67-66-3	90 U	81 U	0.58 U	0.58 U
Chloromethane	74-87-3	110 U	96 U	0.68 U	0.68 U
cis-1,2-Dichloroethene	156-59-2	120 U	110 U	0.77 U	0.77 U
cis-1,3-Dichloropropene	10061-01-5	24 U	21 U	0.15 U	0.15 U
Cyclohexane	110-82-7	1900	52 U	0.37 U	0.37 U
Dibromochloromethane	124-48-1	59 U	53 U	0.38 U	0.38 U
Dichlorodifluoromethane	75-71-8	52 U	47 U	0.33 U	0.33 U
Ethyl Benzene	100-41-4	11000	920	0.41 U	0.41 U
Isopropylbenzene	98-82-8	52 U	150 J	0.33 U	0.33 U
m/p-Xylenes	136777-61-2	3300	1600	0.96 U	0.96 U
Methyl Acetate	79-20-9	130 U	120 U	0.83 U	0.83 U
Methyl tert-butyl Ether	1634-04-4	56 U	50 U	0.36 U	0.36 U
Methylcyclohexane	108-87-2	22000	540 J	0.58 U	0.58 U
Methylene Chloride	75-09-2	97 U	87 U	0.62 U	0.62 U
o-Xylene	95-47-6	270 J	630 J	0.37 U	0.37 U
Styrene	100-42-5	53 U	48 U	0.34 U	0.34 U
t-1,3-Dichloropropene	10061-02-6	66 U	60 U	0.42 U	0.42 U
Tetrachloroethene	127-18-4	52 U	46 U	0.33 U	0.33 U
Toluene	108-88-3	290 J	1300	0.39 U	0.39 U
trans-1,2-Dichloroethene	156-60-5	80 U	72 U	0.51 U	0.51 U
Trichloroethene	79-01-6	100 U	94 U	0.67 U	0.67 U
Trichlorofluoromethane	75-69-4	90 U	81 U	0.58 U	0.58 U
Vinyl Chloride	75-01-4	42 U	37 U	0.27 U	0.27 U
Total Confident Conc. VOC		39290	5540	0	0
Total TICs		379000	27000	0	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		TB-3	FIELDBLANK	FB-2	FB-3
Lab Sample Number		T1669-20	T1346-25	T1380-17	T1669-19
Sampling Date		02/22/05	01/27/05	01/31/05	02/22/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.41 U	0.41 U	0.41 U	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	0.52 U	0.52 U	0.52 U	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.69 U	0.69 U	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	0.22 U	0.22 U	0.22 U	0.22 U
1,1-Dichloroethene	75-35-4	0.32 U	0.32 U	0.32 U	0.32 U
1,2,4-Trichlorobenzene	120-82-1	0.29 U	0.29 U	0.29 U	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.94 U	0.94 U	0.94 U	0.94 U
1,2-Dibromoethane	106-93-4	0.63 U	0.63 U	0.63 U	0.63 U
1,2-Dichlorobenzene	95-50-1	0.37 U	0.37 U	0.37 U	0.37 U
1,2-Dichloroethane	107-06-2	0.32 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	78-87-5	0.63 U	0.63 U	0.63 U	0.63 U
1,3-Dichlorobenzene	541-73-1	0.37 U	0.37 U	0.37 U	0.37 U
1,4-Dichlorobenzene	106-46-7	0.39 U	0.39 U	0.39 U	0.39 U
2-Butanone	78-93-3	2.8 U	2.8 U	2.8 U	2.8 U
2-Hexanone	591-78-6	0.66 U	0.66 U	0.66 U	0.66 U
4-Methyl-2-Pentanone	108-10-1	1.3 U	1.3 U	1.3 U	1.3 U
Acetone	67-64-1	3.3 U	3.3 U	3.3 U	3.3 U
Benzene	71-43-2	0.24 U	0.24 U	0.24 U	0.24 U
Bromodichloromethane	75-27-4	0.35 U	0.35 U	0.35 U	0.35 U
Bromoform	75-25-2	0.25 U	0.25 U	0.25 U	0.25 U
Bromomethane	74-83-9	0.78 U	0.78 U	0.78 U	0.78 U
Carbon Disulfide	75-15-0	0.39 U	0.39 U	0.39 U	0.39 U
Carbon Tetrachloride	56-23-5	0.47 U	0.47 U	0.47 U	0.47 U
Chlorobenzene	108-90-7	0.37 U	0.37 U	0.37 U	0.37 U
Chloroethane	75-00-3	0.88 U	0.88 U	0.88 U	0.88 U
Chloroform	67-66-3	0.58 U	0.58 U	0.58 U	0.58 U
Chloromethane	74-87-3	0.68 U	0.68 U	0.68 U	0.68 U
cis-1,2-Dichloroethene	156-59-2	0.77 U	0.77 U	0.77 U	0.77 U
cis-1,3-Dichloropropene	10061-01-5	0.15 U	0.15 U	0.15 U	0.15 U
Cyclohexane	110-82-7	0.37 U	0.37 U	0.37 U	0.37 U
Dibromochloromethane	124-48-1	0.38 U	0.38 U	0.38 U	0.38 U
Dichlorodifluoromethane	75-71-8	0.33 U	0.33 U	0.33 U	0.33 U
Ethyl Benzene	100-41-4	0.41 U	0.41 U	0.41 U	0.41 U
Isopropylbenzene	98-82-8	0.33 U	0.33 U	0.33 U	0.33 U
m/p-Xylenes	136777-61-2	0.96 U	0.96 U	0.96 U	0.96 U
Methyl Acetate	79-20-9	0.83 U	0.83 U	0.83 U	0.83 U
Methyl tert-butyl Ether	1634-04-4	0.36 U	0.36 U	0.36 U	0.36 U
Methylcyclohexane	108-87-2	0.58 U	0.58 U	0.58 U	0.58 U
Methylene Chloride	75-09-2	0.62 U	0.62 U	0.62 U	0.62 U
o-Xylene	95-47-6	0.37 U	0.37 U	0.37 U	0.37 U
Styrene	100-42-5	0.34 U	0.34 U	0.34 U	0.34 U
t-1,3-Dichloropropene	10061-02-6	0.42 U	0.42 U	0.42 U	0.42 U
Tetrachloroethene	127-18-4	0.33 U	0.33 U	0.33 U	0.33 U
Toluene	108-88-3	0.39 U	0.39 U	0.39 U	0.39 U
trans-1,2-Dichloroethene	156-60-5	0.51 U	0.51 U	0.51 U	0.51 U
Trichloroethene	79-01-6	0.67 U	0.67 U	0.67 U	0.67 U
Trichlorofluoromethane	75-69-4	0.58 U	0.58 U	0.58 U	0.58 U
Vinyl Chloride	75-01-4	0.27 U	0.27 U	0.27 U	0.27 U
Total Confident Conc. VOC		0	0	0	0
Total TICs		0	0	0	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-1(9.5-10)	SB-1(9.5-10)DL	SB-1(9.5-10)DL2	SB-1(9.5-10)DL3	SB-1(9.5-10)DL4
Lab Sample Number		T1346-15	T1346-15DL	T1346-15DL2	T1346-15DL3	T1346-15DL4
Sampling Date		01/25/05	01/25/05	01/25/05	01/25/05	01/25/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	5.0	25.0	125.0	250.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	14000 E	17000 ED	24000 D	18000 JD	17000 JD
2,2-oxybis(1-Chloropropane)	108-60-1	23 U	110 UD	560 UD	2800 UD	5600 UD
2,4,5-Trichlorophenol	95-95-4	28 U	140 UD	690 UD	3400 UD	6900 UD
2,4,6-Trichlorophenol	88-06-2	15 U	75 UD	380 UD	1900 UD	3800 UD
2,4-Dichlorophenol	120-83-2	15 U	73 UD	360 UD	1800 UD	3600 UD
2,4-Dimethylphenol	105-67-9	23 U	110 UD	560 UD	2800 UD	5600 UD
2,4-Dinitrophenol	51-28-5	18 U	92 UD	460 UD	2300 UD	4600 UD
2,4-Dinitrotoluene	121-14-2	8.3 U	42 UD	210 UD	1000 UD	2100 UD
2,6-Dinitrotoluene	606-20-2	18 U	89 UD	440 UD	2200 UD	4400 UD
2-Chloronaphthalene	91-58-7	8.7 U	43 UD	220 UD	1100 UD	2200 UD
2-Chlorophenol	95-57-8	18 U	90 UD	450 UD	2200 UD	4500 UD
2-Methylnaphthalene	91-57-6	33000 E	98000 ED	110000 ED	120000 D	99000 JD
2-Methylphenol	95-48-7	26 U	130 UD	660 UD	3300 UD	6600 UD
2-Nitroaniline	88-74-4	15 U	75 UD	380 UD	1900 UD	3800 UD
2-Nitrophenol	88-75-5	17 U	84 UD	420 UD	2100 UD	4200 UD
3,3-Dichlorobenzidine	91-94-1	67 U	330 UD	1700 UD	8400 UD	17000 UD
3+4-Methylphenols	106-44-5	19 U	96 UD	480 UD	2400 UD	4800 UD
3-Nitroaniline	99-09-2	67 U	340 UD	1700 UD	8400 UD	17000 UD
4,6-Dinitro-2-methylphenol	534-52-1	24 U	120 UD	600 UD	3000 UD	6000 UD
4-Bromophenyl-phenylether	101-55-3	11 U	55 UD	270 UD	1400 UD	2700 UD
4-Chloro-3-methylphenol	59-50-7	12 U	62 UD	310 UD	1500 UD	3100 UD
4-Chloroaniline	106-47-8	150 U	770 UD	3900 UD	19000 UD	39000 UD
4-Chlorophenyl-phenylether	7005-72-3	10 U	52 UD	260 UD	1300 UD	2600 UD
4-Nitroaniline	100-01-6	33 U	160 UD	810 UD	4100 UD	8100 UD
4-Nitrophenol	100-02-7	41 U	200 UD	1000 UD	5100 UD	10000 UD
Acenaphthene	83-32-9	19000 E	32000 ED	76000 D	66000 D	56000 JD
Acenaphthylene	208-96-8	12 U	950 JD	310 UD	1600 UD	3100 UD
Acetophenone	98-86-2	22 U	110 UD	540 UD	2700 UD	5400 UD
Anthracene	120-12-7	9700 E	14000 D	17000 D	11000 JD	2500 UD
Atrazine	1912-24-9	13 U	64 UD	320 UD	1600 UD	3200 UD
Benzaldehyde	100-52-7	41 U	200 UD	1000 UD	5100 UD	10000 UD
Benzo(a)anthracene	56-55-3	2600	2200 D	2100 JD	790 UD	1600 UD
Benzo(a)pyrene	50-32-8	960	660 JD	180 UD	900 UD	1800 UD
Benzo(b)fluoranthene	205-99-2	1400	810 JD	550 UD	2800 UD	5500 UD
Benzo(g,h,i)perylene	191-24-2	180 J	290 JD	450 UD	2300 UD	4500 UD
Benzo(k)fluoranthene	207-08-9	610	370 JD	360 UD	1800 UD	3800 UD
bis(2-Chloroethoxy)methane	111-91-1	19 U	95 UD	470 UD	2400 UD	4700 UD
bis(2-Chloroethyl)ether	111-44-4	21 U	100 UD	510 UD	2600 UD	5100 UD
bis(2-Ethylhexyl)phthalate	117-81-7	9.6 U	48 UD	240 UD	1200 UD	2400 UD
Butylbenzylphthalate	85-68-7	14 U	70 UD	350 UD	1700 UD	3500 UD
Caprolactam	105-60-2	15 U	77 UD	380 UD	1900 UD	3800 UD
Carbazole	86-74-8	7100 E	4900 D	3400 JD	1100 UD	2300 UD
Chrysene	218-01-9	2900	1600 JD	1200 JD	1700 UD	3300 UD
Dibenz(a,h)anthracene	53-70-3	12 U	61 UD	310 UD	1500 UD	3100 UD
Dibenzofuran	132-64-9	12000 E	22000 ED	64000 D	46000 JD	39000 JD
Diethylphthalate	84-66-2	13 U	65 UD	330 UD	1600 UD	3300 UD
Dimethylphthalate	131-11-3	9.9 U	50 UD	250 UD	1200 UD	2500 UD
Di-n-butylphthalate	84-74-2	5.5 U	28 UD	140 UD	690 UD	1400 UD
Di-n-octyl phthalate	117-84-0	9.9 U	50 UD	250 UD	1200 UD	2500 UD
Fluoranthene	206-44-0	23000 E	16000 D	14000 D	9300 JD	1400 UD
Fluorene	86-73-7	4800 E	18000 ED	51000 D	36000 JD	30000 JD
Hexachlorobenzene	118-74-1	7.8 U	39 UD	200 UD	980 UD	2000 UD
Hexachlorobutadiene	87-68-3	15 U	73 UD	360 UD	1800 UD	3600 UD
Hexachlorocyclopentadiene	77-47-4	10 U	52 UD	260 UD	1300 UD	2600 UD
Hexachloroethane	67-72-1	20 U	99 UD	500 UD	2500 UD	5000 UD
Indeno(1,2,3-cd)pyrene	193-39-5	97 J	50 UD	250 UD	1300 UD	2500 UD
Isophorone	78-59-1	15 U	77 UD	390 UD	1900 UD	3900 UD
Naphthalene	91-20-3	48000 E	150000 ED	210000 ED	420000 ED	420000 D
Nitrobenzene	98-95-3	21 U	110 UD	530 UD	2600 UD	5300 UD
N-Nitroso-di-n-propylamine	621-64-7	18 U	92 UD	460 UD	2300 UD	4600 UD
N-Nitrosodiphenylamine	86-30-6	11 U	53 UD	260 UD	1300 UD	2600 UD
Pentachlorophenol	87-86-5	13 U	65 UD	320 UD	1600 UD	3200 UD
Phenanthrene	85-01-8	53000 E	37000 ED	75000 D	70000 D	57000 JD
Phenol	108-95-2	17 U	87 UD	430 UD	2200 UD	4300 UD
Pyrene	129-00-0	5700 E	13000 D	12000 D	7900 JD	1900 UD
Total Confident Conc. SVOC		8747	54780	339700	384200	718000
Total TICs		53080	0	0	0	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-1(16.5-17)	SB-1(16.5-17)DL	SB-1(16.5-17)DL2	SB-1(25-25.5)	SB-1(25-25.5)DL
Lab Sample Number		T1346-16	T1346-16DL	T1346-16DL2	T1346-17	T1346-17DL
Sampling Date		01/25/05	01/25/05	01/25/05	01/25/05	01/25/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	5.0	25.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	4100 E	5300 D	320 UD	2900	63 UD
2,2-oxybis(1-Chloropropane)	108-60-1	23 U	120 UD	580 UD	23 U	110 UD
2,4,5-Trichlorophenol	95-95-4	28 U	140 UD	710 UD	28 U	140 UD
2,4,6-Trichlorophenol	88-06-2	16 U	78 UD	390 UD	15 U	77 UD
2,4-Dichlorophenol	120-83-2	15 U	75 UD	380 UD	15 U	74 UD
2,4-Dimethylphenol	105-67-9	56 J	120 UD	580 UD	76 J	110 UD
2,4-Dinitrophenol	51-28-5	19 U	95 UD	470 UD	19 U	94 UD
2,4-Dinitrotoluene	121-14-2	8.6 U	43 UD	210 UD	8.5 U	42 UD
2,6-Dinitrotoluene	606-20-2	18 U	92 UD	460 UD	18 U	90 UD
2-Chloronaphthalene	91-58-7	9.0 U	45 UD	220 UD	8.9 U	44 UD
2-Chlorophenol	95-57-8	19 U	93 UD	470 UD	18 U	92 UD
2-Methylnaphthalene	91-57-6	17000 E	24000 ED	24000 D	15000 E	18000 ED
2-Methylphenol	95-48-7	27 U	140 UD	680 UD	27 U	130 UD
2-Nitroaniline	88-74-4	16 U	78 UD	390 UD	15 U	77 UD
2-Nitrophenol	88-75-5	17 U	87 UD	430 UD	17 U	85 UD
3,3-Dichlorobenzidine	91-94-1	69 U	350 UD	1700 UD	68 U	340 UD
3+4-Methylphenols	106-44-5	20 U	99 UD	490 UD	20 U	98 UD
3-Nitroaniline	99-09-2	69 U	350 UD	1700 UD	69 U	340 UD
4,6-Dinitro-2-methylphenol	534-52-1	25 U	120 UD	620 UD	25 U	120 UD
4-Bromophenyl-phenylether	101-55-3	11 U	57 UD	280 UD	11 U	56 UD
4-Chloro-3-methylphenol	59-50-7	13 U	64 UD	320 UD	13 U	63 UD
4-Chloroaniline	106-47-8	160 U	800 UD	4000 UD	160 U	790 UD
4-Chlorophenyl-phenylether	7005-72-3	11 U	53 UD	270 UD	11 U	53 UD
4-Nitroaniline	100-01-6	34 U	170 UD	840 UD	33 U	170 UD
4-Nitrophenol	100-02-7	42 U	210 UD	1100 UD	41 U	210 UD
Acenaphthene	83-32-9	8000 E	16000 D	12000 D	6200 E	11000 D
Acenaphthylene	208-96-8	13 U	64 UD	320 UD	13 U	64 UD
Acetophenone	98-86-2	23 U	110 UD	560 UD	420 J	270 JD
Anthracene	120-12-7	3300	3200 D	2100 JD	2300	2000 JD
Atrazine	1912-24-9	13 U	66 UD	330 UD	13 U	65 UD
Benzaldehyde	100-52-7	42 U	210 UD	1100 UD	42 U	210 UD
Benzo(a)anthracene	56-55-3	370 J	340 JD	160 UD	400 J	330 JD
Benzo(a)pyrene	50-32-8	69 J	37 UD	190 UD	120 J	37 UD
Benzo(b)fluoranthene	205-99-2	140 J	110 UD	570 UD	160 J	110 UD
Benzo(g,h,i)perylene	191-24-2	19 U	94 UD	470 UD	50 J	92 UD
Benzo(k)fluoranthene	207-08-9	52 J	74 UD	370 UD	45 J	73 UD
bis(2-Chloroethoxy)methane	111-91-1	20 U	98 UD	490 UD	19 U	97 UD
bis(2-Chloroethyl)ether	111-44-4	21 U	110 UD	530 UD	21 U	100 UD
bis(2-Ethylhexyl)phthalate	117-81-7	9.9 U	49 UD	250 UD	9.8 U	49 UD
Butylbenzylphthalate	85-68-7	14 U	72 UD	360 UD	14 U	71 UD
Caprolactam	105-60-2	16 U	79 UD	400 UD	16 U	78 UD
Carbazole	86-74-8	1200	690 JD	240 UD	640	400 JD
Chrysene	218-01-9	250 J	68 UD	340 UD	220 J	67 UD
Dibenz(a,h)anthracene	53-70-3	13 U	63 UD	320 UD	12 U	62 UD
Dibenzofuran	132-64-9	6800 E	13000 D	8400 JD	4800 E	8700 D
Diethylphthalate	84-66-2	14 U	68 UD	340 UD	13 U	67 UD
Dimethylphthalate	131-11-3	10 U	51 UD	260 UD	10 U	51 UD
Di-n-butylphthalate	84-74-2	5.7 U	29 UD	140 UD	5.6 U	28 UD
Di-n-octyl phthalate	117-84-0	10 U	51 UD	260 UD	10 U	51 UD
Fluoranthene	206-44-0	3000	2400 D	1700 JD	2500	1800 JD
Fluorene	86-73-7	5700 E	10000 D	6600 JD	3900 E	7000 D
Hexachlorobenzene	118-74-1	8.1 U	40 UD	200 UD	8.0 U	40 UD
Hexachlorobutadiene	87-68-3	15 U	75 UD	380 UD	15 U	74 UD
Hexachlorocyclopentadiene	77-47-4	11 U	54 UD	270 UD	11 U	53 UD
Hexachloroethane	67-72-1	21 U	100 UD	510 UD	20 U	100 UD
Indeno(1,2,3-cd)pyrene	193-39-5	10 U	52 UD	260 UD	10 U	51 UD
Isophorone	78-59-1	16 U	80 UD	400 UD	16 U	79 UD
Naphthalene	91-20-3	22000 E	34000 ED	53000 D	25000 E	33000 ED
Nitrobenzene	98-95-3	22 U	110 UD	550 UD	22 U	110 UD
N-Nitroso-di-n-propylamine	621-64-7	19 U	95 UD	470 UD	19 U	94 UD
N-Nitrosodiphenylamine	86-30-6	11 U	55 UD	270 UD	11 U	54 UD
Pentachlorophenol	87-86-5	13 U	67 UD	340 UD	13 U	66 UD
Phenanthrene	85-01-8	9000 E	17000 D	13000 D	6700 E	12000 D
Phenol	108-95-2	18 U	90 UD	450 UD	18 U	89 UD
Pyrene	129-00-0	2600	1600 JD	1200 JD	2400	1500 JD
Total Confident Conc. SVOC		11037	69530	122000	12231	45000
Total TICs		24480	0	0	13540	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-1(25-25.5)DL2	SB-2(13.5-14)	SB-2(13.5-14)DL	SB-2(13.5-14)DL2	SB-2(9.5-10)
Lab Sample Number		T1346-17DL2	T1346-03	T1346-03DL	T1346-03DL2	T1346-04
Sampling Date		01/25/05	01/24/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		25.0	1.0	5.0	50.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	2400 JD	6800 E	12000 D	6700 JD	120 U
2,2-oxybis(1-Chloropropane)	108-60-1	570 UD	24 U	120 UD	1200 UD	210 U
2,4,5-Trichlorophenol	95-95-4	700 UD	29 U	140 UD	1400 UD	260 U
2,4,6-Trichlorophenol	88-06-2	380 UD	16 U	79 UD	790 UD	140 U
2,4-Dichlorophenol	120-83-2	370 UD	15 U	77 UD	770 UD	140 U
2,4-Dimethylphenol	105-67-9	570 UD	24 U	120 UD	1200 UD	210 U
2,4-Dinitrophenol	51-28-5	470 UD	19 U	96 UD	960 UD	170 U
2,4-Dinitrotoluene	121-14-2	210 UD	8.7 U	44 UD	440 UD	78 U
2,6-Dinitrotoluene	606-20-2	450 UD	19 U	93 UD	930 UD	170 U
2-Chloronaphthalene	91-58-7	220 UD	9.1 U	46 UD	460 UD	81 U
2-Chlorophenol	95-57-8	460 UD	19 U	94 UD	940 UD	170 U
2-Methylnaphthalene	91-57-6	17000 D	11000 E	12000 D	8700 JD	87 U
2-Methylphenol	95-48-7	670 UD	28 U	140 UD	1400 UD	250 U
2-Nitroaniline	88-74-4	380 UD	16 U	79 UD	790 UD	140 U
2-Nitrophenol	88-75-5	430 UD	18 U	88 UD	880 UD	160 U
3,3-Dichlorobenzidine	91-94-1	1700 UD	70 U	350 UD	3500 UD	630 U
3+4-Methylphenols	106-44-5	490 UD	20 U	100 UD	1000 UD	180 U
3-Nitroaniline	99-09-2	1700 UD	70 U	350 UD	3500 UD	630 U
4,6-Dinitro-2-methylphenol	534-52-1	620 UD	25 U	130 UD	1300 UD	230 U
4-Bromophenyl-phenylether	101-55-3	280 UD	11 U	57 UD	570 UD	100 U
4-Chloro-3-methylphenol	59-50-7	310 UD	13 U	65 UD	650 UD	120 U
4-Chloroaniline	106-47-8	3900 UD	160 U	810 UD	8100 UD	1400 U
4-Chlorophenyl-phenylether	7005-72-3	280 UD	11 U	54 UD	540 UD	97 U
4-Nitroaniline	100-01-6	830 UD	34 U	170 UD	1700 UD	310 U
4-Nitrophenol	100-02-7	1000 UD	43 U	210 UD	2100 UD	380 U
Acenaphthene	83-32-9	8500 JD	16000 E	38000 ED	54000 D	86 U
Acenaphthylene	208-96-8	320 UD	13 U	65 UD	650 UD	120 U
Acetophenone	98-86-2	560 UD	280 J	110 UD	1100 UD	200 U
Anthracene	120-12-7	1500 JD	12000 E	16000 D	9800 JD	720 J
Atrazine	1912-24-9	320 UD	13 U	67 UD	670 UD	120 U
Benzaldehyde	100-52-7	1000 UD	43 U	210 UD	2100 UD	380 U
Benzo(a)anthracene	56-55-3	160 UD	4500 E	4000 D	3800 JD	1700 J
Benzo(a)pyrene	50-32-8	180 UD	920	620 JD	380 UD	1500 J
Benzo(b)fluoranthene	205-99-2	560 UD	1500	920 JD	1200 UD	2200 J
Benzo(g,h,i)perylene	191-24-2	460 UD	150 J	95 UD	950 UD	730 J
Benzo(k)fluoranthene	207-08-9	360 UD	560	290 JD	750 UD	770 J
bis(2-Chloroethoxy)methane	111-91-1	480 UD	20 U	100 UD	1000 UD	180 U
bis(2-Chloroethyl)ether	111-44-4	520 UD	22 U	110 UD	1100 UD	190 U
bis(2-Ethylhexyl)phthalate	117-81-7	240 UD	10 U	50 UD	500 UD	90 U
Butylbenzylphthalate	85-68-7	360 UD	15 U	73 UD	730 UD	130 U
Caprolactam	105-60-2	390 UD	16 U	80 UD	800 UD	140 U
Carbazole	86-74-8	230 UD	8800 E	3700 D	480 UD	86 U
Chrysene	218-01-9	340 UD	3900 E	2800 D	690 UD	920 J
Dibenz(a,h)anthracene	53-70-3	310 UD	13 U	64 UD	640 UD	110 U
Dibenzofuran	132-64-9	6000 JD	12000 E	33000 ED	37000 D	130 U
Diethylphthalate	84-66-2	330 UD	14 U	69 UD	690 UD	120 U
Dimethylphthalate	131-11-3	250 UD	10 U	52 UD	520 UD	93 U
Di-n-butylphthalate	84-74-2	140 UD	5.8 U	29 UD	290 UD	52 U
Di-n-octyl phthalate	117-84-0	250 UD	10 U	52 UD	520 UD	93 U
Fluoranthene	206-44-0	1400 JD	39000 E	37000 ED	38000 D	2500 J
Fluorene	86-73-7	4700 JD	13000 E	31000 ED	36000 D	110 U
Hexachlorobenzene	118-74-1	200 UD	8.2 U	41 UD	410 UD	73 U
Hexachlorobutadiene	87-68-3	370 UD	15 U	77 UD	770 UD	140 U
Hexachlorocyclopentadiene	77-47-4	270 UD	11 U	55 UD	550 UD	98 U
Hexachloroethane	67-72-1	510 UD	21 U	100 UD	1000 UD	190 U
Indeno(1,2,3-cd)pyrene	193-39-5	260 UD	86 J	53 UD	530 UD	390 J
Isophorone	78-59-1	390 UD	16 U	81 UD	810 UD	150 U
Naphthalene	91-20-3	56000 D	21000 E	30000 ED	41000 D	85 U
Nitrobenzene	98-95-3	540 UD	22 U	110 UD	1100 UD	200 U
N-Nitroso-di-n-propylamine	621-64-7	470 UD	19 U	96 UD	960 UD	170 U
N-Nitrosodiphenylamine	86-30-6	270 UD	11 U	55 UD	550 UD	99 U
Pentachlorophenol	87-86-5	330 UD	14 U	68 UD	680 UD	120 U
Phenanthrene	85-01-8	9700 JD	73000 E	69000 ED	160000 D	1200 J
Phenol	108-95-2	440 UD	18 U	91 UD	910 UD	160 U
Pyrene	129-00-0	1200 JD	11000 E	28000 ED	25000 D	2700 J
Total Confident Conc. SVOC		108400	235496	318330	421800	15330
Total TICs		0	15390	0	0	5990

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-2(32.5-33)	SB-2(32.5-33)DL	SB-2(32.5-33)DL2	SB-3(9.5-10)	SB-3(9.5-10)DL
Lab Sample Number		T1346-05	T1346-05DL	T1346-05DL2	T1346-08	T1346-08DL
Sampling Date		01/24/05	01/24/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	5.0	25.0	2.0	10.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	3200 E	2700 D	290 UD	230 J	230 UD
2,2-oxybis(1-Chloropropane)	108-60-1	21 U	110 UD	530 UD	85 U	430 UD
2,4,5-Trichlorophenol	95-95-4	26 U	130 UD	650 UD	100 U	520 UD
2,4,6-Trichlorophenol	88-06-2	14 U	71 UD	350 UD	57 U	280 UD
2,4-Dichlorophenol	120-83-2	14 U	69 UD	340 UD	55 U	280 UD
2,4-Dimethylphenol	105-67-9	46 J	110 UD	530 UD	85 U	430 UD
2,4-Dinitrophenol	51-28-5	17 U	86 UD	430 UD	69 U	350 UD
2,4-Dinitrotoluene	121-14-2	7.8 U	39 UD	190 UD	31 U	160 UD
2,6-Dinitrotoluene	606-20-2	17 U	83 UD	420 UD	67 U	330 UD
2-Chloronaphthalene	91-58-7	8.2 U	41 UD	200 UD	33 U	160 UD
2-Chlorophenol	95-57-8	17 U	84 UD	420 UD	68 U	340 UD
2-Methylnaphthalene	91-57-6	9300 E	11000 D	6700 JD	1200 J	140 UD
2-Methylphenol	95-48-7	25 U	120 UD	620 UD	99 U	500 UD
2-Nitroaniline	88-74-4	14 U	71 UD	350 UD	57 U	280 UD
2-Nitrophenol	88-75-5	16 U	79 UD	390 UD	63 U	320 UD
3,3-Dichlorobenzidine	91-94-1	63 U	310 UD	1600 UD	250 U	1300 UD
3+4-Methylphenols	106-44-5	18 U	90 UD	450 UD	72 U	360 UD
3-Nitroaniline	99-09-2	63 U	320 UD	1600 UD	250 U	1300 UD
4,6-Dinitro-2-methylphenol	534-52-1	23 U	110 UD	570 UD	91 U	460 UD
4-Bromophenyl-phenylether	101-55-3	10 U	51 UD	260 UD	41 U	210 UD
4-Chloro-3-methylphenol	59-50-7	12 U	58 UD	290 UD	47 U	230 UD
4-Chloroaniline	106-47-8	140 U	720 UD	3600 UD	580 U	2900 UD
4-Chlorophenyl-phenylether	7005-72-3	9.7 U	48 UD	240 UD	39 U	190 UD
4-Nitroaniline	100-01-6	31 U	150 UD	770 UD	120 U	620 UD
4-Nitrophenol	100-02-7	38 U	190 UD	950 UD	150 U	770 UD
Acenaphthene	83-32-9	9000 E	15000 D	12000 D	3000	3100 JD
Acenaphthylene	208-96-8	12 U	58 UD	290 UD	47 U	240 UD
Acetophenone	98-86-2	20 U	100 UD	510 UD	82 U	410 UD
Anthracene	120-12-7	3800 E	3000 D	2200 JD	700 J	1000 JD
Atrazine	1912-24-9	12 U	60 UD	300 UD	48 U	240 UD
Benzaldehyde	100-52-7	38 U	190 UD	960 UD	150 U	770 UD
Benzo(a)anthracene	56-55-3	1500	1300 JD	1200 JD	1600	1800 JD
Benzo(a)pyrene	50-32-8	400	250 JD	170 UD	4800	3600 JD
Benzo(b)fluoranthene	205-99-2	670	470 JD	520 UD	5800	4000 JD
Benzo(g,h,i)perylene	191-24-2	110 J	85 UD	430 UD	830 J	1300 JD
Benzo(k)fluoranthene	207-08-9	210 J	67 UD	330 UD	1900	1400 JD
bis(2-Chloroethoxy)methane	111-91-1	18 U	89 UD	450 UD	72 U	360 UD
bis(2-Chloroethyl)ether	111-44-4	19 U	96 UD	480 UD	77 U	390 UD
bis(2-Ethylhexyl)phthalate	117-81-7	9.0 U	45 UD	220 UD	36 U	180 UD
Butylbenzylphthalate	85-68-7	13 U	66 UD	330 UD	53 U	260 UD
Caprolactam	105-60-2	14 U	72 UD	360 UD	58 U	290 UD
Carbazole	86-74-8	1600	770 JD	220 UD	35 U	170 UD
Chrysene	218-01-9	1300	830 JD	310 UD	3000	3000 JD
Dibenz(a,h)anthracene	53-70-3	11 U	57 UD	290 UD	46 U	230 UD
Dibenzofuran	132-64-9	7400 E	11000 D	7800 JD	52 U	260 UD
Diethylphthalate	84-66-2	12 U	61 UD	310 UD	49 U	250 UD
Dimethylphthalate	131-11-3	9.3 U	47 UD	230 UD	38 U	190 UD
Di-n-butylphthalate	84-74-2	5.2 U	26 UD	130 UD	21 U	100 UD
Di-n-octyl phthalate	117-84-0	9.3 U	47 UD	230 UD	38 U	190 UD
Fluoranthene	206-44-0	8700 E	10000 D	6300 JD	4800	4000 JD
Fluorene	86-73-7	6800 E	10000 D	6900 JD	45 U	220 UD
Hexachlorobenzene	118-74-1	7.3 U	37 UD	180 UD	29 U	150 UD
Hexachlorobutadiene	87-68-3	14 U	69 UD	340 UD	55 U	280 UD
Hexachlorocyclopentadiene	77-47-4	9.8 U	49 UD	250 UD	39 U	200 UD
Hexachloroethane	67-72-1	19 U	93 UD	470 UD	75 U	380 UD
Indeno(1,2,3-cd)pyrene	193-39-5	71 J	47 UD	240 UD	490 J	190 UD
Isophorone	78-59-1	15 U	73 UD	360 UD	58 U	290 UD
Naphthalene	91-20-3	690	28000 ED	42000 D	410 J	170 UD
Nitrobenzene	98-95-3	20 U	99 UD	500 UD	80 U	400 UD
N-Nitroso-di-n-propylamine	621-64-7	17 U	86 UD	430 UD	69 U	350 UD
N-Nitrosodiphenylamine	86-30-6	9.9 U	50 UD	250 UD	40 U	200 UD
Pentachlorophenol	87-86-5	12 U	61 UD	300 UD	49 U	1000 JD
Phenanthrene	85-01-8	16000 E	24000 ED	32000 D	1100 J	1200 JD
Phenol	108-95-2	16 U	82 UD	410 UD	66 U	330 UD
Pyrene	129-00-0	5500 E	7900 D	4900 JD	13000 E	30000 D
Total Confident Conc. SVOC		76297	126220	124000	23933	55400
Total TICs		16870	0	0	169200	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-3(9.5-10)DUP	SB-3(15-16.5)	SB-4(10-10.5)	SB-4(10-10.5)DL	SB-4(10-10.5)DL2
Lab Sample Number		T1346-09	T1346-10	T1346-11	T1346-11DL	T1346-11DL2
Sampling Date		01/24/05	01/24/05	01/25/05	01/25/05	01/25/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	2.0	10.0	50.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	23 U	170 J	24 U	6400 D	4200 JD
2,2-oxybis(1-Chloropropane)	108-60-1	43 U	23 U	44 U	220 UD	1100 UD
2,4,5-Trichlorophenol	95-95-4	52 U	28 U	54 U	270 UD	1300 UD
2,4,6-Trichlorophenol	88-06-2	29 U	15 U	29 U	150 UD	740 UD
2,4-Dichlorophenol	120-83-2	28 U	15 U	28 U	140 UD	710 UD
2,4-Dimethylphenol	105-67-9	43 U	23 U	44 U	220 UD	1100 UD
2,4-Dinitrophenol	51-28-5	35 U	19 U	36 U	180 UD	890 UD
2,4-Dinitrotoluene	121-14-2	16 U	8.4 U	16 U	81 UD	400 UD
2,6-Dinitrotoluene	606-20-2	34 U	18 U	35 U	170 UD	860 UD
2-Chloronaphthalene	91-58-7	16 U	8.8 U	17 U	85 UD	420 UD
2-Chlorophenol	95-57-8	34 U	18 U	35 U	180 UD	880 UD
2-Methylnaphthalene	91-57-6	14 U	1600	55000 E	37000 ED	45000 D
2-Methylphenol	95-48-7	50 U	27 U	51 U	260 UD	1300 UD
2-Nitroaniline	88-74-4	29 U	15 U	29 U	150 UD	740 UD
2-Nitrophenol	88-75-5	32 U	17 U	33 U	160 UD	820 UD
3,3-Dichlorobenzidine	91-94-1	130 U	68 U	130 U	650 UD	3300 UD
3+4-Methylphenols	106-44-5	36 U	19 U	37 U	190 UD	930 UD
3-Nitroaniline	99-09-2	130 U	68 U	130 U	650 UD	3300 UD
4,6-Dinitro-2-methylphenol	534-52-1	46 U	25 U	47 U	240 UD	1200 UD
4-Bromophenyl-phenylether	101-55-3	21 U	11 U	21 U	110 UD	530 UD
4-Chloro-3-methylphenol	59-50-7	23 U	13 U	24 U	120 UD	600 UD
4-Chloroaniline	106-47-8	290 U	160 U	300 U	1500 UD	7500 UD
4-Chlorophenyl-phenylether	7005-72-3	20 U	10 U	20 U	100 UD	500 UD
4-Nitroaniline	100-01-6	62 U	33 U	63 U	1400 JD	1600 UD
4-Nitrophenol	100-02-7	77 U	41 U	79 U	400 UD	2000 UD
Acenaphthene	83-32-9	580 J	1200	16000 E	19000 D	20000 JD
Acenaphthylene	208-96-8	24 U	130 J	24 U	120 UD	610 UD
Acetophenone	98-86-2	41 U	22 U	42 U	210 UD	1100 UD
Anthracene	120-12-7	360 J	470	8300 E	11000 D	10000 JD
Atrazine	1912-24-9	24 U	13 U	25 U	120 UD	620 UD
Benzaldehyde	100-52-7	77 U	41 U	79 U	400 UD	2000 UD
Benzo(a)anthracene	56-55-3	1500	420 J	4100	3500 JD	3600 JD
Benzo(a)pyrene	50-32-8	2000	310 J	2300	1600 JD	350 UD
Benzo(b)fluoranthene	205-99-2	3300	370 J	3200	1600 JD	1100 UD
Benzo(g,h,i)perylene	191-24-2	480 J	82 J	350 J	700 JD	880 UD
Benzo(k)fluoranthene	207-08-9	3500	130 J	910	740 JD	690 UD
bis(2-Chloroethoxy)methane	111-91-1	36 U	19 U	37 U	190 UD	930 UD
bis(2-Chloroethyl)ether	111-44-4	39 U	21 U	40 U	200 UD	1000 UD
bis(2-Ethylhexyl)phthalate	117-81-7	18 U	9.7 U	19 U	93 UD	470 UD
Butylbenzylphthalate	85-68-7	26 U	14 U	27 U	140 UD	680 UD
Caprolactam	105-60-2	29 U	16 U	30 U	150 UD	750 UD
Carbazole	86-74-8	17 U	9.3 U	18 U	89 UD	450 UD
Chrysene	218-01-9	1600	320 J	3800	3100 JD	2100 JD
Dibenz(a,h)anthracene	53-70-3	23 U	12 U	24 U	120 UD	590 UD
Dibenzofuran	132-64-9	130 J	440	7400 E	13000 D	14000 JD
Diethylphthalate	84-66-2	25 U	13 U	25 U	130 UD	640 UD
Dimethylphthalate	131-11-3	19 U	10 U	19 U	97 UD	480 UD
Di-n-butylphthalate	84-74-2	10 U	5.6 U	11 U	54 UD	270 UD
Di-n-octyl phthalate	117-84-0	19 U	10 U	19 U	97 UD	480 UD
Fluoranthene	206-44-0	2600	1400	17000 E	13000 D	9100 JD
Fluorene	86-73-7	260 J	690	7100 E	13000 D	17000 JD
Hexachlorobenzene	118-74-1	15 U	7.9 U	15 U	76 UD	380 UD
Hexachlorobutadiene	87-68-3	28 U	15 U	28 U	140 UD	710 UD
Hexachlorocyclopentadiene	77-47-4	20 U	11 U	20 U	100 UD	510 UD
Hexachloroethane	67-72-1	38 U	20 U	39 U	190 UD	970 UD
Indeno(1,2,3-cd)pyrene	193-39-5	19 U	44 J	280 J	98 UD	490 UD
Isophorone	78-59-1	29 U	16 U	30 U	150 UD	750 UD
Naphthalene	91-20-3	100 J	720	63000 E	49000 ED	75000 D
Nitrobenzene	98-95-3	40 U	22 U	41 U	210 UD	1000 UD
N-Nitroso-di-n-propylamine	621-64-7	35 U	19 U	36 U	180 UD	890 UD
N-Nitrosodiphenylamine	86-30-6	20 U	11 U	21 U	100 UD	510 UD
Pentachlorophenol	87-86-5	25 U	13 U	25 U	130 UD	630 UD
Phenanthrene	85-01-8	950	1200	34000 E	27000 D	38000 D
Phenol	108-95-2	33 U	18 U	34 U	170 UD	850 UD
Pyrene	129-00-0	6000	2200	7900 E	14000 D	17000 JD
Total Confident Conc. SVOC		23360	11796	14940	129040	255000
Total TICs		49400	15600	94400	0	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-4(14.5-15)	SB-4(14.5-15)RE	SB-5(9-9.5)	SB-5(17-17.5)	SB-6(11.5-12)
Lab Sample Number		T1346-14	T1346-14RE	T1346-18	T1346-19	T1346-20
Sampling Date		01/25/05	01/25/05	01/27/05	01/27/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	5.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	12 U	12 U	200 J	12 U	13 U
2,2-oxybis(1-Chloropropane)	108-60-1	22 U	22 U	110 U	22 U	24 U
2,4,5-Trichlorophenol	95-95-4	27 U	27 U	130 U	26 U	28 U
2,4,6-Trichlorophenol	88-06-2	15 U	15 U	72 U	14 U	16 U
2,4-Dichlorophenol	120-83-2	14 U	14 U	70 U	14 U	15 U
2,4-Dimethylphenol	105-67-9	22 U	22 U	110 U	22 U	24 U
2,4-Dinitrophenol	51-28-5	18 U	18 U	88 U	18 U	19 U
2,4-Dinitrotoluene	121-14-2	8.0 U	8.0 U	40 U	7.9 U	8.8 U
2,6-Dinitrotoluene	606-20-2	17 U	17 U	85 U	17 U	19 U
2-Chloronaphthalene	91-58-7	8.4 U	8.4 U	42 U	8.3 U	9.2 U
2-Chlorophenol	95-57-8	17 U	17 U	88 U	17 U	19 U
2-Methylnaphthalene	91-57-6	83 J	79 J	690 J	1400	310 J
2-Methylphenol	95-48-7	25 U	25 U	130 U	25 U	28 U
2-Nitroaniline	88-74-4	15 U	15 U	72 U	14 U	16 U
2-Nitrophenol	88-75-5	16 U	16 U	80 U	16 U	18 U
3,3-Dichlorobenzidine	91-94-1	65 U	65 U	320 U	64 U	71 U
3+4-Methylphenols	106-44-5	18 U	18 U	91 U	18 U	20 U
3-Nitroaniline	99-09-2	65 U	65 U	320 U	64 U	71 U
4,6-Dinitro-2-methylphenol	534-52-1	23 U	23 U	120 U	23 U	26 U
4-Bromophenyl-phenylether	101-55-3	11 U	11 U	52 U	10 U	12 U
4-Chloro-3-methylphenol	59-50-7	12 U	12 U	59 U	12 U	13 U
4-Chloroaniline	106-47-8	150 U	150 U	740 U	150 U	160 U
4-Chlorophenyl-phenylether	7005-72-3	10 U	10 U	49 U	9.9 U	11 U
4-Nitroaniline	100-01-6	32 U	32 U	160 U	31 U	34 U
4-Nitrophenol	100-02-7	39 U	39 U	190 U	39 U	43 U
Acenaphthene	83-32-9	150 J	150 J	1500 J	810	340 J
Acenaphthylene	208-96-8	12 U	12 U	60 U	12 U	13 U
Acetophenone	98-86-2	21 U	21 U	100 U	21 U	23 U
Anthracene	120-12-7	170 J	170 J	1700 J	1000	330 J
Atrazine	1912-24-9	12 U	12 U	61 U	12 U	13 U
Benzaldehyde	100-52-7	39 U	39 U	190 U	39 U	43 U
Benzo(a)anthracene	56-55-3	130 J	140 J	530 J	740	270 J
Benzo(a)pyrene	50-32-8	79 J	79 J	34 U	290 J	170 J
Benzo(b)fluoranthene	205-99-2	81 J	88 J	110 U	580	180 J
Benzo(g,h,i)perylene	191-24-2	47 J	57 J	87 U	190 J	91 J
Benzo(k)fluoranthene	207-08-9	14 U	14 U	68 U	180 J	76 J
bis(2-Chloroethoxy)methane	111-91-1	18 U	18 U	91 U	18 U	20 U
bis(2-Chloroethyl)ether	111-44-4	20 U	20 U	98 U	20 U	22 U
bis(2-Ethylhexyl)phthalate	117-81-7	9.2 U	9.2 U	46 U	9.1 U	10 U
Butylbenzylphthalate	85-68-7	14 U	14 U	67 U	13 U	15 U
Caprolactam	105-60-2	15 U	15 U	73 U	15 U	16 U
Carbazole	86-74-8	83 J	82 J	44 U	310 J	150 J
Chrysene	218-01-9	99 J	85 J	360 J	630	200 J
Dibenz(a,h)anthracene	53-70-3	12 U	12 U	58 U	12 U	13 U
Dibenzofuran	132-64-9	110 J	110 J	66 U	490	230 J
Diethylphthalate	84-66-2	13 U	13 U	63 U	12 U	14 U
Dimethylphthalate	131-11-3	9.6 U	9.6 U	48 U	9.5 U	10 U
Di-n-butylphthalate	84-74-2	5.4 U	5.4 U	26 U	5.3 U	5.8 U
Di-n-octyl phthalate	117-84-0	9.6 U	9.6 U	48 U	9.5 U	10 U
Fluoranthene	206-44-0	340 J	330 J	1500 J	2000	740
Fluorene	86-73-7	170 J	160 J	1100 J	730	280 J
Hexachlorobenzene	118-74-1	7.5 U	7.5 U	37 U	7.5 U	8.2 U
Hexachlorobutadiene	87-68-3	14 U	14 U	70 U	14 U	15 U
Hexachlorocyclopentadiene	77-47-4	10 U	10 U	50 U	10 U	11 U
Hexachloroethane	67-72-1	19 U	19 U	95 U	19 U	21 U
Indeno(1,2,3-cd)pyrene	193-39-5	9.7 U	45 J	48 U	110 J	76 J
Isophorone	78-59-1	15 U	15 U	74 U	15 U	16 U
Naphthalene	91-20-3	430	430	1900 J	2500	1600
Nitrobenzene	98-95-3	20 U	20 U	100 U	20 U	22 U
N-Nitroso-di-n-propylamine	621-64-7	18 U	18 U	88 U	18 U	19 U
N-Nitrosodiphenylamine	86-30-6	10 U	10 U	51 U	10 U	11 U
Pentachlorophenol	87-86-5	13 U	13 U	62 U	12 U	14 U
Phenanthrene	85-01-8	690	690	1600 J	2400	1500
Phenol	108-95-2	17 U	17 U	83 U	17 U	18 U
Pyrene	129-00-0	360 J	360 J	2000	2000	680
Total Confident Conc. SVOC		3022	3055	13080	16360	7223
Total TICs		3980	0	107800	18430	2830

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-6(22.5-23)	SB-6(22.5-23)RE	SB-7(6.5-7)	SB-7(20-20.5)	SB-7(20-20.5)RE
Lab Sample Number		T1346-21	T1346-21RE	T1346-06	T1346-07	T1346-07RE
Sampling Date		01/27/05	01/27/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	5.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	12 U	12 U	120 U	12 U	12 U
2,2-oxybis(1-Chloropropane)	108-60-1	22 U	22 U	210 U	21 U	21 U
2,4,5-Trichlorophenol	95-95-4	27 U	27 U	260 U	26 U	26 U
2,4,6-Trichlorophenol	88-06-2	15 U	15 U	140 U	14 U	14 U
2,4-Dichlorophenol	120-83-2	14 U	14 U	140 U	14 U	14 U
2,4-Dimethylphenol	105-67-9	22 U	22 U	210 U	21 U	21 U
2,4-Dinitrophenol	51-28-5	18 U	18 U	170 U	17 U	17 U
2,4-Dinitrotoluene	121-14-2	8.2 U	8.2 U	79 U	7.8 U	7.8 U
2,6-Dinitrotoluene	606-20-2	17 U	17 U	170 U	17 U	17 U
2-Chloronaphthalene	91-58-7	8.5 U	8.5 U	83 U	8.1 U	8.1 U
2-Chlorophenol	95-57-8	18 U	18 U	170 U	17 U	17 U
2-Methylnaphthalene	91-57-6	7.0 U	7.0 U	68 U	6.7 U	6.7 U
2-Methylphenol	95-48-7	26 U	26 U	250 U	25 U	25 U
2-Nitroaniline	88-74-4	15 U	15 U	140 U	14 U	14 U
2-Nitrophenol	88-75-5	16 U	16 U	160 U	16 U	16 U
3,3-Dichlorobenzidine	91-94-1	66 U	66 U	640 U	63 U	63 U
3+4-Methylphenols	106-44-5	19 U	19 U	180 U	18 U	18 U
3-Nitroaniline	99-09-2	66 U	66 U	640 U	63 U	63 U
4,6-Dinitro-2-methylphenol	534-52-1	24 U	24 U	230 U	23 U	23 U
4-Bromophenyl-phenylether	101-55-3	11 U	11 U	100 U	10 U	10 U
4-Chloro-3-methylphenol	59-50-7	12 U	12 U	120 U	12 U	12 U
4-Chloroaniline	106-47-8	150 U	150 U	1500 U	140 U	140 U
4-Chlorophenyl-phenylether	7005-72-3	10 U	10 U	98 U	9.7 U	9.7 U
4-Nitroaniline	100-01-6	32 U	32 U	310 U	31 U	31 U
4-Nitrophenol	100-02-7	40 U	40 U	390 U	38 U	38 U
Acenaphthene	83-32-9	9.0 U	42 J	1200 J	8.6 U	8.6 U
Acenaphthylene	208-96-8	12 U	12 U	120 U	12 U	12 U
Acetophenone	98-86-2	21 U	21 U	210 U	20 U	20 U
Anthracene	120-12-7	9.8 U	9.8 U	4800	9.3 U	9.3 U
Atrazine	1912-24-9	12 U	12 U	120 U	12 U	12 U
Benzaldehyde	100-52-7	40 U	40 U	390 U	38 U	38 U
Benzo(a)anthracene	56-55-3	6.2 U	6.2 U	9800	5.9 U	5.9 U
Benzo(a)pyrene	50-32-8	7.0 U	7.0 U	6800	6.7 U	6.7 U
Benzo(b)fluoranthene	205-99-2	22 U	22 U	10000	21 U	21 U
Benzo(g,h,i)perylene	191-24-2	18 U	18 U	1500 J	17 U	17 U
Benzo(k)fluoranthene	207-08-9	14 U	14 U	3200 J	13 U	13 U
bis(2-Chloroethoxy)methane	111-91-1	19 U	19 U	180 U	18 U	18 U
bis(2-Chloroethyl)ether	111-44-4	20 U	20 U	200 U	19 U	19 U
bis(2-Ethylhexyl)phthalate	117-81-7	9.4 U	9.4 U	91 U	9.0 U	9.0 U
Butylbenzylphthalate	85-68-7	14 U	14 U	130 U	13 U	13 U
Caprolactam	105-60-2	15 U	15 U	150 U	14 U	14 U
Carbazole	86-74-8	9.0 U	9.0 U	87 U	8.6 U	8.6 U
Chrysene	218-01-9	13 U	13 U	8500	12 U	12 U
Dibenz(a,h)anthracene	53-70-3	12 U	12 U	120 U	11 U	11 U
Dibenzofuran	132-64-9	13 U	13 U	650 J	13 U	13 U
Diethylphthalate	84-66-2	13 U	13 U	120 U	12 U	12 U
Dimethylphthalate	131-11-3	9.8 U	9.8 U	95 U	9.3 U	9.3 U
Di-n-butylphthalate	84-74-2	5.4 U	5.4 U	53 U	5.2 U	5.2 U
Di-n-octyl phthalate	117-84-0	9.8 U	9.8 U	95 U	9.3 U	9.3 U
Fluoranthene	206-44-0	5.7 U	5.7 U	28000	5.4 U	5.4 U
Fluorene	86-73-7	12 U	12 U	1200 J	11 U	11 U
Hexachlorobenzene	118-74-1	7.7 U	7.7 U	74 U	7.3 U	7.3 U
Hexachlorobutadiene	87-68-3	14 U	14 U	140 U	14 U	14 U
Hexachlorocyclopentadiene	77-47-4	10 U	10 U	99 U	9.8 U	9.8 U
Hexachloroethane	67-72-1	20 U	20 U	190 U	19 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	9.9 U	9.9 U	820 J	9.4 U	9.4 U
Isophorone	78-59-1	15 U	15 U	150 U	15 U	15 U
Naphthalene	91-20-3	160 J	150 J	510 J	8.5 U	8.5 U
Nitrobenzene	98-95-3	21 U	21 U	200 U	20 U	20 U
N-Nitroso-di-n-propylamine	621-64-7	18 U	18 U	170 U	17 U	17 U
N-Nitrosodiphenylamine	86-30-6	10 U	10 U	100 U	9.9 U	9.9 U
Pentachlorophenol	87-86-5	13 U	13 U	120 U	12 U	12 U
Phenanthrene	85-01-8	85 J	82 J	21000	8.7 U	8.7 U
Phenol	108-95-2	17 U	17 U	170 U	16 U	16 U
Pyrene	129-00-0	7.3 U	7.3 U	20000	7.0 U	7.0 U
Total Confident Conc. SVOC		245	274	115980	0	0
Total TICs		1700	0	11080	2070	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-8-(7.5-8)	SB-8-(7.5-8)DL	SB-8-(12.5-13)	SB-8-(12.5-13)DL	SB-8-(18.5-19)
Lab Sample Number		T1380-13	T1380-13DL	T1380-14	T1380-14DL	T1380-15
Sampling Date		01/31/05	01/31/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		10.0	100.0	1.0	10.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	7200	1200 UD	1400	1200 JD	1100
2,2-oxybis(1-Chloropropane)	108-60-1	220 U	2200 UD	22 U	220 UD	22 U
2,4,5-Trichlorophenol	95-95-4	270 U	2700 UD	27 U	270 UD	26 U
2,4,6-Trichlorophenol	88-06-2	150 U	1500 UD	15 U	150 UD	14 U
2,4-Dichlorophenol	120-83-2	140 U	1400 UD	14 U	140 UD	14 U
2,4-Dimethylphenol	105-67-9	220 U	2200 UD	22 U	220 UD	22 U
2,4-Dinitrophenol	51-28-5	180 U	1800 UD	18 U	180 UD	18 U
2,4-Dinitrotoluene	121-14-2	80 U	800 UD	8.1 U	81 UD	7.9 U
2,6-Dinitrotoluene	606-20-2	170 U	1700 UD	17 U	170 UD	17 U
2-Chloronaphthalene	91-58-7	84 U	840 UD	8.4 U	84 UD	8.3 U
2-Chlorophenol	95-57-8	170 U	1700 UD	17 U	170 UD	17 U
2-Methylnaphthalene	91-57-6	46000 E	14000 JD	6900 E	8900 D	6200 E
2-Methylphenol	95-48-7	250 U	2500 UD	26 U	260 UD	25 U
2-Nitroaniline	88-74-4	150 U	1500 UD	15 U	150 UD	14 U
2-Nitrophenol	88-75-5	160 U	1600 UD	16 U	160 UD	16 U
3,3-Dichlorobenzidine	91-94-1	650 U	6500 UD	65 U	650 UD	64 U
3+4-Methylphenols	106-44-5	180 U	1800 UD	19 U	190 UD	18 U
3-Nitroaniline	99-09-2	650 U	6500 UD	65 U	650 UD	64 U
4,6-Dinitro-2-methylphenol	534-52-1	230 U	2300 UD	23 U	230 UD	23 U
4-Bromophenyl-phenylether	101-55-3	110 U	1100 UD	11 U	110 UD	10 U
4-Chloro-3-methylphenol	59-50-7	120 U	1200 UD	12 U	120 UD	12 U
4-Chloroaniline	106-47-8	1500 U	15000 UD	150 U	1500 UD	150 U
4-Chlorophenyl-phenylether	7005-72-3	100 U	1000 UD	10 U	100 UD	9.9 U
4-Nitroaniline	100-01-6	310 U	3100 UD	32 U	320 UD	31 U
4-Nitrophenol	100-02-7	390 U	3900 UD	39 U	390 UD	39 U
Acenaphthene	83-32-9	14000	890 UD	1500	1700 JD	1100
Acenaphthylene	208-96-8	3900 J	1200 UD	1100	980 JD	990
Acetophenone	98-86-2	210 U	2100 UD	21 U	210 UD	21 U
Anthracene	120-12-7	16000	980 UD	1500	1900 JD	1300
Atrazine	1912-24-9	120 U	1200 UD	12 U	120 UD	12 U
Benzaldehyde	100-52-7	390 U	3900 UD	40 U	400 UD	39 U
Benzo(a)anthracene	56-55-3	12000	610 UD	810	930 JD	660
Benzo(a)pyrene	50-32-8	8600	690 UD	710	790 JD	600
Benzo(b)fluoranthene	205-99-2	6800	2100 UD	490	430 JD	400
Benzo(g,h,i)perylene	191-24-2	2300 J	1800 UD	83 J	180 UD	94 J
Benzo(k)fluoranthene	207-08-9	5300	1400 UD	310 J	140 UD	190 J
bis(2-Chloroethoxy)methane	111-91-1	180 U	1800 UD	18 U	180 UD	18 U
bis(2-Chloroethyl)ether	111-44-4	200 U	2000 UD	20 U	200 UD	20 U
bis(2-Ethylhexyl)phthalate	117-81-7	92 U	920 UD	9.3 U	93 UD	9.1 U
Butylbenzylphthalate	85-68-7	130 U	1300 UD	14 U	140 UD	13 U
Caprolactam	105-60-2	150 U	1500 UD	15 U	150 UD	15 U
Carbazole	86-74-8	89 U	890 UD	72 J	89 UD	8.8 U
Chrysene	218-01-9	13000	1300 UD	950	1100 JD	810
Dibenz(a,h)anthracene	53-70-3	120 U	1200 UD	12 U	120 UD	12 U
Dibenzofuran	132-64-9	5700	1300 UD	340 J	130 UD	230 J
Diethylphthalate	84-66-2	130 U	1300 UD	13 U	130 UD	12 U
Dimethylphthalate	131-11-3	96 U	960 UD	9.7 U	97 UD	9.5 U
Di-n-butylphthalate	84-74-2	54 U	540 UD	5.4 U	54 UD	5.3 U
Di-n-octyl phthalate	117-84-0	96 U	960 UD	9.7 U	97 UD	9.5 U
Fluoranthene	206-44-0	24000	7300 JD	1400	1700 JD	1100
Fluorene	86-73-7	14000	4300 JD	2300	2300 JD	1800
Hexachlorobenzene	118-74-1	75 U	750 UD	7.6 U	76 UD	7.5 U
Hexachlorobutadiene	87-68-3	140 U	1400 UD	14 U	140 UD	14 U
Hexachlorocyclopentadiene	77-47-4	100 U	1000 UD	10 U	100 UD	10 U
Hexachloroethane	67-72-1	190 U	1900 UD	19 U	190 UD	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	1800 J	970 UD	50 J	98 UD	9.6 U
Isophorone	78-59-1	150 U	1500 UD	15 U	150 UD	15 U
Naphthalene	91-20-3	69000 E	19000 JD	9300 E	12000 D	8800 E
Nitrobenzene	98-95-3	200 U	2000 UD	21 U	210 UD	20 U
N-Nitroso-di-n-propylamine	621-64-7	180 U	1800 UD	18 U	180 UD	18 U
N-Nitrosodiphenylamine	86-30-6	100 U	1000 UD	10 U	100 UD	10 U
Pentachlorophenol	87-86-5	130 U	1300 UD	13 U	130 UD	12 U
Phenanthrene	85-01-8	53000 E	17000 JD	4800 E	6500 D	4000 E
Phenol	108-95-2	170 U	1700 UD	17 U	170 UD	17 U
Pyrene	129-00-0	37000 E	8900 JD	2800	4100 D	2400
Total Confident Conc. SVOC		339600	70500	36815	44530	31574
Total TICs		380000	0	21380	0	25080

Sample ID		SB-8-(18.5-19)DL	SB-9-(18-18.5)	SB-9-(14.5-15)	SB-9-(20.5-21)	SB-10(7.5-8)
Lab Sample Number		T1380-15DL	T1380-05	T1380-06	T1380-07	T1346-22
Sampling Date		01/31/05	01/31/05	01/31/05	01/31/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		10.0	10.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	1200 JD	5500 J	12 U	12 U	12 U
2,2-oxybis(1-Chloropropane)	108-60-1	220 UD	430 U	22 U	22 U	21 U
2,4,5-Trichlorophenol	95-95-4	260 UD	520 U	27 U	27 U	26 U
2,4,6-Trichlorophenol	88-06-2	140 UD	280 U	15 U	15 U	14 U
2,4-Dichlorophenol	120-83-2	140 UD	280 U	14 U	14 U	14 U
2,4-Dimethylphenol	105-67-9	220 UD	430 U	22 U	22 U	21 U
2,4-Dinitrophenol	51-28-5	180 UD	350 U	18 U	18 U	17 U
2,4-Dinitrotoluene	121-14-2	79 UD	160 U	8.1 U	8.1 U	7.8 U
2,6-Dinitrotoluene	606-20-2	170 UD	330 U	17 U	17 U	17 U
2-Chloronaphthalene	91-58-7	83 UD	160 U	8.5 U	8.4 U	8.2 U
2-Chlorophenol	95-57-8	170 UD	340 U	18 U	17 U	17 U
2-Methylnaphthalene	91-57-6	8000 D	41000	330 J	860	6.8 U
2-Methylphenol	95-48-7	250 UD	500 U	26 U	26 U	25 U
2-Nitroaniline	88-74-4	140 UD	280 U	15 U	15 U	14 U
2-Nitrophenol	88-75-5	160 UD	320 U	16 U	16 U	16 U
3,3-Dichlorobenzidine	91-94-1	640 UD	1300 U	65 U	65 U	63 U
3+4-Methylphenols	106-44-5	180 UD	360 U	19 U	19 U	18 U
3-Nitroaniline	99-09-2	640 UD	1300 U	66 U	65 U	63 U
4,6-Dinitro-2-methylphenol	534-52-1	230 UD	460 U	24 U	23 U	23 U
4-Bromophenyl-phenylether	101-55-3	100 UD	210 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	59-50-7	120 UD	230 U	12 U	12 U	12 U
4-Chloroaniline	106-47-8	1500 UD	2900 U	150 U	150 U	150 U
4-Chlorophenyl-phenylether	7005-72-3	99 UD	190 U	10 U	10 U	9.7 U
4-Nitroaniline	100-01-6	310 UD	620 U	32 U	32 U	31 U
4-Nitrophenol	100-02-7	380 UD	770 U	40 U	39 U	38 U
Acenaphthene	83-32-9	990 JD	8500	340 J	250 J	50 J
Acenaphthylene	208-96-8	1200 JD	3400 J	140 J	89 J	12 U
Acetophenone	98-86-2	210 UD	410 U	21 U	21 U	21 U
Anthracene	120-12-7	1700 JD	8500	390 J	270 J	71 J
Atrazine	1912-24-9	120 UD	240 U	12 U	12 U	12 U
Benzaldehyde	100-52-7	390 UD	770 U	40 U	40 U	38 U
Benzo(a)anthracene	56-55-3	850 JD	4100 J	190 J	140 J	320 J
Benzo(a)pyrene	50-32-8	720 JD	3200 J	150 J	88 J	210 J
Benzo(b)fluoranthene	205-99-2	630 JD	1900 J	90 J	84 J	230 J
Benzo(g,h,i)perylene	191-24-2	170 UD	900 J	54 J	55 J	100 J
Benzo(k)fluoranthene	207-08-9	140 UD	1600 J	55 J	14 U	95 J
bis(2-Chloroethoxy)methane	111-91-1	180 UD	360 U	19 U	18 U	18 U
bis(2-Chloroethyl)ether	111-44-4	200 UD	390 U	20 U	20 U	19 U
bis(2-Ethylhexyl)phthalate	117-81-7	91 UD	180 U	9.4 U	9.3 U	9.0 U
Butylbenzylphthalate	85-68-7	130 UD	260 U	14 U	14 U	13 U
Caprolactam	105-60-2	150 UD	290 U	15 U	15 U	14 U
Carbazole	86-74-8	88 UD	170 U	9.0 U	8.9 U	8.7 U
Chrysene	218-01-9	1000 JD	5100 J	210 J	160 J	240 J
Dibenz(a,h)anthracene	53-70-3	120 UD	230 U	12 U	12 U	12 U
Dibenzofuran	132-64-9	130 UD	3300 J	13 U	110 J	13 U
Diethylphthalate	84-66-2	120 UD	250 U	13 U	13 U	12 U
Dimethylphthalate	131-11-3	95 UD	190 U	9.7 U	9.7 U	9.4 U
Di-n-butylphthalate	84-74-2	53 UD	100 U	5.4 U	5.4 U	5.2 U
Di-n-octyl phthalate	117-84-0	95 UD	190 U	9.7 U	9.7 U	9.4 U
Fluoranthene	206-44-0	1300 JD	8400	360 J	320 J	540
Fluorene	86-73-7	2100 JD	11000	430	310 J	11 U
Hexachlorobenzene	118-74-1	75 UD	150 U	7.6 U	7.6 U	7.4 U
Hexachlorobutadiene	87-68-3	140 UD	280 U	14 U	14 U	14 U
Hexachlorocyclopentadiene	77-47-4	100 UD	200 U	10 U	10 U	9.9 U
Hexachloroethane	67-72-1	190 UD	380 U	19 U	19 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	96 UD	190 U	44 J	9.8 U	78 J
Isophorone	78-59-1	150 UD	290 U	15 U	15 U	15 U
Naphthalene	91-20-3	11000 D	49000	660	1100	61 J
Nitrobenzene	98-95-3	200 UD	400 U	21 U	21 U	20 U
N-Nitroso-di-n-propylamine	621-64-7	180 UD	350 U	18 U	18 U	17 U
N-Nitrosodiphenylamine	86-30-6	100 UD	200 U	10 U	10 U	10 U
Pentachlorophenol	87-86-5	120 UD	240 U	13 U	13 U	12 U
Phenanthrene	85-01-8	5800 D	30000	1400	960	230 J
Phenol	108-95-2	170 UD	330 U	17 U	17 U	16 U
Pyrene	129-00-0	3300 JD	17000	760	540	520
Total Confident Conc. SVOC		39790	202400	5623	5336	2745
Total TICs		0	636000	31930	24680	2509

Queens West Development
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Sample ID		SB-10(7.5-8)DUP	SB-10(7.5-8)DUPDL	SB-10(22-22.5)	SB-11-(9.5-10)	SB-11-(9.5-10)DL
Lab Sample Number		T1346-23	T1346-23DL	T1346-24	T1380-10	T1380-10DL
Sampling Date		01/27/05	01/27/05	01/27/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	5.0	1.0	5.0	50.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	12 U	58 UD	11 U	130 U	1300 UD
2,2-oxybis(1-Chloropropane)	108-60-1	21 U	110 UD	21 U	240 U	2400 UD
2,4,5-Trichlorophenol	95-95-4	26 U	130 UD	25 U	300 U	3000 UD
2,4,6-Trichlorophenol	88-06-2	14 U	71 UD	14 U	160 U	1600 UD
2,4-Dichlorophenol	120-83-2	14 U	68 UD	13 U	160 U	1600 UD
2,4-Dimethylphenol	105-67-9	21 U	110 UD	21 U	240 U	2400 UD
2,4-Dinitrophenol	51-28-5	17 U	86 UD	17 U	200 U	2000 UD
2,4-Dinitrotoluene	121-14-2	7.8 U	39 UD	7.7 U	89 U	890 UD
2,6-Dinitrotoluene	606-20-2	17 U	83 UD	16 U	190 U	1900 UD
2-Chloronaphthalene	91-58-7	8.1 U	41 UD	8.0 U	93 U	930 UD
2-Chlorophenol	95-57-8	17 U	84 UD	17 U	190 U	1900 UD
2-Methylnaphthalene	91-57-6	93 J	34 UD	6.6 U	2400 J	770 UD
2-Methylphenol	95-48-7	25 U	120 UD	24 U	280 U	2800 UD
2-Nitroaniline	88-74-4	14 U	71 UD	14 U	160 U	1600 UD
2-Nitrophenol	88-75-5	16 U	78 UD	15 U	180 U	1800 UD
3,3-Dichlorobenzidine	91-94-1	63 U	310 UD	62 U	720 U	7200 UD
3+4-Methylphenols	106-44-5	18 U	90 UD	18 U	210 U	2100 UD
3-Nitroaniline	99-09-2	63 U	320 UD	62 U	720 U	7200 UD
4,6-Dinitro-2-methylphenol	534-52-1	23 U	110 UD	22 U	260 U	2600 UD
4-Bromophenyl-phenylether	101-55-3	10 U	51 UD	10 U	120 U	1200 UD
4-Chloro-3-methylphenol	59-50-7	12 U	58 UD	11 U	130 U	1300 UD
4-Chloroaniline	106-47-8	140 U	720 UD	140 U	1700 U	17000 UD
4-Chlorophenyl-phenylether	7005-72-3	9.7 U	48 UD	9.5 U	110 U	1100 UD
4-Nitroaniline	100-01-6	31 U	150 UD	30 U	350 U	3500 UD
4-Nitrophenol	100-02-7	38 U	190 UD	37 U	440 U	4400 UD
Acenaphthene	83-32-9	530	470 JD	8.5 U	5000	8000 JD
Acenaphthylene	208-96-8	12 U	58 UD	11 U	1800 J	1300 UD
Acetophenone	98-86-2	20 U	100 UD	20 U	230 U	2300 UD
Anthracene	120-12-7	1100	940 JD	9.2 U	13000	18000 JD
Atrazine	1912-24-9	12 U	60 UD	12 U	140 U	1400 UD
Benzaldehyde	100-52-7	38 U	190 UD	38 U	440 U	4400 UD
Benzo(a)anthracene	56-55-3	2400	2000 D	5.8 U	28000	33000 JD
Benzo(a)pyrene	50-32-8	1800	1800 JD	6.6 U	24000	29000 JD
Benzo(b)fluoranthene	205-99-2	2100	2000 D	20 U	31000	29000 JD
Benzo(g,h,i)perylene	191-24-2	550	480 JD	17 U	3100 J	7000 JD
Benzo(k)fluoranthene	207-08-9	880	1200 JD	13 U	17000	26000 JD
bis(2-Chloroethoxy)methane	111-91-1	18 U	89 UD	18 U	200 U	2000 UD
bis(2-Chloroethyl)ether	111-44-4	19 U	96 UD	19 U	220 U	2200 UD
bis(2-Ethylhexyl)phthalate	117-81-7	9.0 U	45 UD	8.8 U	100 U	1000 UD
Butylbenzylphthalate	85-68-7	13 U	66 UD	13 U	150 U	1500 UD
Caprolactam	105-60-2	14 U	72 UD	14 U	160 U	1600 UD
Carbazole	86-74-8	330 J	290 JD	8.5 U	2200 J	990 UD
Chrysene	218-01-9	2400	2300 D	12 U	25000	33000 JD
Dibenz(a,h)anthracene	53-70-3	120 J	57 UD	11 U	130 U	1300 UD
Dibenzofuran	132-64-9	210 J	64 UD	13 U	3300 J	4600 JD
Diethylphthalate	84-66-2	12 U	61 UD	12 U	140 U	1400 UD
Dimethylphthalate	131-11-3	9.3 U	47 UD	9.2 U	110 U	1100 UD
Di-n-butylphthalate	84-74-2	5.2 U	26 UD	5.1 U	59 U	590 UD
Di-n-octyl phthalate	117-84-0	9.3 U	47 UD	9.2 U	110 U	1100 UD
Fluoranthene	206-44-0	3600 E	3500 D	5.3 U	44000 E	69000 D
Fluorene	86-73-7	490	450 JD	11 U	6800	9800 JD
Hexachlorobenzene	118-74-1	7.3 U	37 UD	7.2 U	84 U	840 UD
Hexachlorobutadiene	87-68-3	14 U	68 UD	13 U	160 U	1600 UD
Hexachlorocyclopentadiene	77-47-4	9.6 U	49 UD	9.6 U	110 U	1100 UD
Hexachloroethane	67-72-1	19 U	93 UD	18 U	210 U	2100 UD
Indeno(1,2,3-cd)pyrene	193-39-5	510	280 JD	9.3 U	2100 J	1100 UD
Isophorone	78-59-1	15 U	73 UD	14 U	170 U	1700 UD
Naphthalene	91-20-3	220 J	42 UD	89 J	1900 J	970 UD
Nitrobenzene	98-95-3	20 U	99 UD	19 U	230 U	2300 UD
N-Nitroso-di-n-propylamine	621-64-7	17 U	86 UD	17 U	200 U	2000 UD
N-Nitrosodiphenylamine	86-30-6	9.9 U	50 UD	9.7 U	110 U	1100 UD
Pentachlorophenol	87-86-5	12 U	61 UD	12 U	140 U	1400 UD
Phenanthrene	85-01-8	2900	2800 D	59 J	35000	57000 D
Phenol	108-95-2	16 U	81 UD	16 U	190 U	1900 UD
Pyrene	129-00-0	3700 E	3700 D	8.8 U	42000 E	69000 D
Total Confident Conc. SVOC		16633	22210	148	287600	392400
Total TICs		6740	0	0	150800	0

Queens West Development
Subsurface Investigation
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Sample ID		SB-11-(18.5-19)	SB-11-(18.5-19)DUP	SB-12-(4.5-5)	SB-12-(22-22.5)	SB-13-(21-21.5)
Lab Sample Number		T1380-11	T1380-12	T1380-03	T1380-04	T1380-01
Sampling Date		01/31/05	01/31/05	01/28/05	01/28/05	01/28/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	110 J	12 U	13 U	12 U	12 U
2,2-oxybis(1-Chloropropane)	108-60-1	23 U	23 U	24 U	23 U	22 U
2,4,5-Trichlorophenol	95-95-4	28 U	28 U	29 U	28 U	27 U
2,4,6-Trichlorophenol	88-06-2	15 U	15 U	16 U	15 U	15 U
2,4-Dichlorophenol	120-83-2	15 U	15 U	15 U	15 U	14 U
2,4-Dimethylphenol	105-67-9	23 U	23 U	24 U	23 U	22 U
2,4-Dinitrophenol	51-28-5	18 U	18 U	19 U	19 U	18 U
2,4-Dinitrotoluene	121-14-2	8.3 U	8.4 U	8.7 U	8.4 U	8.1 U
2,6-Dinitrotoluene	606-20-2	18 U	18 U	19 U	18 U	17 U
2-Chloronaphthalene	91-58-7	8.7 U	8.7 U	9.1 U	8.8 U	8.4 U
2-Chlorophenol	95-57-8	18 U	18 U	19 U	18 U	17 U
2-Methylnaphthalene	91-57-6	390 J	440	7.5 U	7.3 U	7.0 U
2-Methylphenol	95-48-7	26 U	26 U	28 U	27 U	26 U
2-Nitroaniline	88-74-4	15 U	15 U	16 U	15 U	15 U
2-Nitrophenol	88-75-5	17 U	17 U	18 U	17 U	16 U
3,3-Dichlorobenzidine	91-94-1	67 U	67 U	70 U	68 U	65 U
3+4-Methylphenols	106-44-5	19 U	19 U	20 U	19 U	19 U
3-Nitroaniline	99-09-2	68 U	68 U	71 U	68 U	65 U
4,6-Dinitro-2-methylphenol	534-52-1	24 U	24 U	25 U	24 U	23 U
4-Bromophenyl-phenylether	101-55-3	11 U	11 U	12 U	11 U	11 U
4-Chloro-3-methylphenol	59-50-7	12 U	12 U	13 U	12 U	12 U
4-Chloroaniline	106-47-8	150 U	150 U	160 U	160 U	150 U
4-Chlorophenyl-phenylether	7005-72-3	10 U	10 U	11 U	10 U	10 U
4-Nitroaniline	100-01-6	33 U	33 U	34 U	33 U	32 U
4-Nitrophenol	100-02-7	41 U	41 U	43 U	41 U	39 U
Acenaphthene	83-32-9	450	560	9.7 U	110 J	8.9 U
Acenaphthylene	208-96-8	110 J	110 J	13 U	13 U	12 U
Acetophenone	98-86-2	22 U	22 U	23 U	22 U	21 U
Anthracene	120-12-7	430	420	10 U	10 U	9.7 U
Atrazine	1912-24-9	13 U	13 U	13 U	13 U	12 U
Benzaldehyde	100-52-7	41 U	41 U	43 U	41 U	40 U
Benzo(a)anthracene	56-55-3	430	290 J	6.6 U	6.4 U	6.1 U
Benzo(a)pyrene	50-32-8	330 J	190 J	7.5 U	7.3 U	7.0 U
Benzo(b)fluoranthene	205-99-2	370 J	170 J	23 U	22 U	22 U
Benzo(g,h,i)perylene	191-24-2	92 J	55 J	19 U	18 U	18 U
Benzo(k)fluoranthene	207-08-9	190 J	130 J	15 U	14 U	14 U
bis(2-Chloroethoxy)methane	111-91-1	19 U	19 U	20 U	19 U	18 U
bis(2-Chloroethyl)ether	111-44-4	21 U	21 U	22 U	21 U	20 U
bis(2-Ethylhexyl)phthalate	117-81-7	9.6 U	9.6 U	10 U	9.7 U	9.3 U
Butylbenzylphthalate	85-68-7	14 U	14 U	15 U	14 U	14 U
Caprolactam	105-60-2	15 U	15 U	16 U	16 U	15 U
Carbazole	86-74-8	81 J	83 J	9.7 U	9.3 U	8.9 U
Chrysene	218-01-9	430	260 J	14 U	13 U	13 U
Dibenz(a,h)anthracene	53-70-3	12 U	12 U	13 U	12 U	12 U
Dibenzofuran	132-64-9	330 J	410 J	14 U	14 U	13 U
Diethylphthalate	84-66-2	13 U	13 U	14 U	13 U	13 U
Dimethylphthalate	131-11-3	10 U	10 U	10 U	10 U	9.7 U
Di-n-butylphthalate	84-74-2	5.6 U	5.6 U	5.8 U	5.6 U	5.4 U
Di-n-octyl phthalate	117-84-0	10 U	10 U	10 U	10 U	9.7 U
Fluoranthene	206-44-0	1000	840	6.1 U	5.9 U	5.6 U
Fluorene	86-73-7	440	500	12 U	12 U	11 U
Hexachlorobenzene	118-74-1	7.8 U	7.8 U	8.2 U	7.9 U	7.6 U
Hexachlorobutadiene	87-68-3	15 U	15 U	15 U	15 U	14 U
Hexachlorocyclopentadiene	77-47-4	10 U	11 U	11 U	11 U	10 U
Hexachloroethane	67-72-1	20 U	20 U	21 U	20 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	82 J	59 J	11 U	10 U	9.8 U
Isophorone	78-59-1	16 U	16 U	1500	16 U	15 U
Naphthalene	91-20-3	2100	2800	9.5 U	9.2 U	8.8 U
Nitrobenzene	98-95-3	21 U	21 U	22 U	21 U	21 U
N-Nitroso-dl-n-propylamine	621-64-7	18 U	18 U	19 U	19 U	18 U
N-Nitrosodiphenylamine	86-30-6	11 U	11 U	11 U	11 U	10 U
Pentachlorophenol	87-86-5	13 U	13 U	14 U	13 U	13 U
Phenanthrene	85-01-8	1600	1600	9.8 U	9.4 U	9.0 U
Phenol	108-95-2	17 U	17 U	18 U	18 U	17 U
Pyrene	129-00-0	910	720	7.8 U	7.5 U	7.2 U
Total Confident Conc. SVOC		9875	9637	1500	110	0
Total TICs		23580	39950	1920	1920	1700

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-13-(10-10.5)	SB-14(6.5-7)	SB-14(19.5-20.0)	SB-14(19.5-20.0)DL	SB-15(11.5-12)
Lab Sample Number		T1380-02	T1346-01	T1346-02	T1346-02DL	T1669-01
Sampling Date		01/28/05	01/24/05	01/24/05	01/24/05	02/21/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	5.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	28 U	12 U	110 J	61 UD	24 U
2,2-oxybis(1-Chloropropane)	108-60-1	52 U	22 U	22 U	110 UD	44 U
2,4,5-Trichlorophenol	95-95-4	64 U	26 U	27 U	140 UD	54 U
2,4,6-Trichlorophenol	88-06-2	35 U	14 U	15 U	74 UD	30 U
2,4-Dichlorophenol	120-83-2	34 U	14 U	14 U	72 UD	29 U
2,4-Dimethylphenol	105-67-9	52 U	22 U	22 U	110 UD	44 U
2,4-Dinitrophenol	51-28-5	42 U	18 U	18 U	91 UD	36 U
2,4-Dinitrotoluene	121-14-2	19 U	8.0 U	8.2 U	41 UD	16 U
2,6-Dinitrotoluene	606-20-2	41 U	17 U	17 U	87 UD	35 U
2-Chloronaphthalene	91-58-7	20 U	8.3 U	8.6 U	43 UD	17 U
2-Chlorophenol	95-57-8	42 U	17 U	18 U	89 UD	35 U
2-Methylnaphthalene	91-57-6	17 U	6.9 U	490	390 JD	1000
2-Methylphenol	95-48-7	61 U	25 U	26 U	130 UD	52 U
2-Nitroaniline	88-74-4	35 U	14 U	15 U	74 UD	30 U
2-Nitrophenol	88-75-5	39 U	16 U	16 U	82 UD	33 U
3,3-Dichlorobenzidine	91-94-1	150 U	64 U	66 U	330 UD	130 U
3+4-Methylphenols	106-44-5	44 U	18 U	19 U	94 UD	38 U
3-Nitroaniline	99-09-2	150 U	64 U	66 U	330 UD	130 U
4,6-Dinitro-2-methylphenol	534-52-1	56 U	23 U	24 U	120 UD	48 U
4-Bromophenyl-phenylether	101-55-3	25 U	11 U	11 U	54 UD	22 U
4-Chloro-3-methylphenol	59-50-7	28 U	12 U	12 U	61 UD	24 U
4-Chloroaniline	106-47-8	360 U	150 U	150 U	760 UD	300 U
4-Chlorophenyl-phenylether	7005-72-3	24 U	9.9 U	10 U	51 UD	20 U
4-Nitroaniline	100-01-6	75 U	31 U	32 U	160 UD	64 U
4-Nitrophenol	100-02-7	94 U	39 U	40 U	200 UD	80 U
Acenaphthene	83-32-9	21 U	8.8 U	1500	1100 JD	3300
Acenaphthylene	208-96-8	29 U	12 U	12 U	61 UD	140 J
Acetophenone	98-86-2	50 U	21 U	21 U	110 UD	43 U
Anthracene	120-12-7	120 J	230 J	290 J	240 JD	4200
Atrazine	1912-24-9	29 U	12 U	13 U	63 UD	25 U
Benzaldehyde	100-52-7	94 U	39 U	40 U	200 UD	80 U
Benzo(a)anthracene	56-55-3	220 J	690	260 J	260 JD	5400
Benzo(a)pyrene	50-32-8	220 J	540	85 J	35 UD	4400
Benzo(b)fluoranthene	205-99-2	200 J	2600	130 J	110 UD	5400
Benzo(g,h,i)perylene	191-24-2	42 U	420	53 J	89 UD	800 J
Benzo(k)fluoranthene	207-08-9	150 J	610	44 J	70 UD	2100
bis(2-Chloroethoxy)methane	111-91-1	44 U	18 U	19 U	94 UD	37 U
bis(2-Chloroethyl)ether	111-44-4	47 U	20 U	20 U	100 UD	40 U
bis(2-Ethylhexyl)phthalate	117-81-7	22 U	9.2 U	9.4 U	47 UD	98 J
Butylbenzylphthalate	85-68-7	32 U	13 U	14 U	69 UD	84 J
Caprolactam	105-60-2	35 U	15 U	15 U	76 UD	30 U
Carbazole	86-74-8	21 U	8.8 U	210 J	45 UD	1600
Chrysene	218-01-9	260 J	820	160 J	65 UD	4200
Dibenz(a,h)anthracene	53-70-3	28 U	12 U	12 U	60 UD	120 J
Dibenzofuran	132-64-9	32 U	13 U	1100	710 JD	2300
Diethylphthalate	84-66-2	30 U	13 U	13 U	64 UD	26 U
Dimethylphthalate	131-11-3	23 U	9.5 U	9.8 U	49 UD	20 U
Di-n-butylphthalate	84-74-2	13 U	5.3 U	5.5 U	27 UD	11 U
Di-n-octyl phthalate	117-84-0	23 U	9.5 U	9.8 U	49 UD	20 U
Fluoranthene	206-44-0	530 J	2600	1600	1000 JD	11000 E
Fluorene	86-73-7	27 U	11 U	850	570 JD	3200
Hexachlorobenzene	118-74-1	18 U	7.5 U	7.7 U	38 UD	15 U
Hexachlorobutadiene	87-68-3	34 U	14 U	14 U	72 UD	29 U
Hexachlorocyclopentadiene	77-47-4	24 U	10 U	10 U	51 UD	21 U
Hexachloroethane	67-72-1	46 U	19 U	20 U	98 UD	39 U
Indeno(1,2,3-cd)pyrene	193-39-5	23 U	300 J	9.9 U	50 UD	540 J
Isophorone	78-59-1	36 U	15 U	15 U	76 UD	31 U
Naphthalene	91-20-3	21 U	8.7 U	240 J	210 JD	3100
Nitrobenzene	98-95-3	49 U	20 U	21 U	100 UD	42 U
N-Nitroso-di-n-propylamine	621-64-7	42 U	18 U	18 U	91 UD	36 U
N-Nitrosodiphenylamine	86-30-6	24 U	10 U	10 U	52 UD	21 U
Pentachlorophenol	87-86-5	30 U	12 U	13 U	64 UD	26 U
Phenanthrene	85-01-8	490 J	480	3600 E	3700 D	12000 E
Phenol	108-95-2	40 U	17 U	17 U	86 UD	34 U
Pyrene	129-00-0	500 J	2100	1200	810 JD	9800 E
Total Confident Conc. SVOC		2690	11390	11922	8990	74782
Total TICs		12260	8500	3052	0	120100

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-15(11.5-12)DL	SB-15(20-20.5)	SB-16(17-17.5)	SB-16(21.5-22)	SB-16(21.5-22)DL
Lab Sample Number		T1669-01DL	T1669-02	T1669-03	T1669-21	T1669-21DL
Sampling Date		02/21/05	02/21/05	02/21/05	02/21/05	02/21/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		5.0	1.0	1.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	120 UD	12 U	12 U	270 J	76 UD
2,2-oxybis(1-Chloropropane)	108-60-1	220 UD	22 U	22 U	28 U	140 UD
2,4,5-Trichlorophenol	95-95-4	270 UD	27 U	27 U	34 U	170 UD
2,4,6-Trichlorophenol	88-06-2	150 UD	15 U	15 U	19 U	93 UD
2,4-Dichlorophenol	120-83-2	140 UD	15 U	14 U	18 U	90 UD
2,4-Dimethylphenol	105-67-9	220 UD	22 U	22 U	570	140 UD
2,4-Dinitrophenol	51-28-5	180 UD	18 U	18 U	23 U	110 UD
2,4-Dinitrotoluene	121-14-2	82 UD	8.3 U	8.2 U	10 U	51 UD
2,6-Dinitrotoluene	606-20-2	170 UD	18 U	17 U	22 U	110 UD
2-Chloronaphthalene	91-58-7	86 UD	8.7 U	8.5 U	11 U	54 UD
2-Chlorophenol	95-57-8	180 UD	18 U	18 U	22 U	110 UD
2-Methylnaphthalene	91-57-6	910 JD	130 J	7.0 U	2600	1800 JD
2-Methylphenol	95-48-7	260 UD	26 U	26 U	32 U	160 UD
2-Nitroaniline	88-74-4	150 UD	15 U	15 U	19 U	93 UD
2-Nitrophenol	88-75-5	170 UD	17 U	16 U	21 U	100 UD
3,3-Dichlorobenzidine	91-94-1	660 UD	67 U	66 U	82 U	410 UD
3+4-Methylphenols	106-44-5	190 UD	19 U	19 U	24 U	120 UD
3-Nitroaniline	99-09-2	660 UD	67 U	66 U	83 U	410 UD
4,6-Dinitro-2-methylphenol	534-52-1	240 UD	24 U	24 U	30 U	150 UD
4-Bromophenyl-phenylether	101-55-3	110 UD	11 U	11 U	14 U	68 UD
4-Chloro-3-methylphenol	59-50-7	120 UD	12 U	12 U	15 U	76 UD
4-Chloroaniline	106-47-8	1500 UD	150 U	150 U	190 U	950 UD
4-Chlorophenyl-phenylether	7005-72-3	100 UD	10 U	10 U	13 U	64 UD
4-Nitroaniline	100-01-6	320 UD	32 U	32 U	40 U	200 UD
4-Nitrophenol	100-02-7	400 UD	41 U	40 U	50 U	250 UD
Acenaphthene	83-32-9	2700 JD	290 J	66 J	1100	860 JD
Acenaphthylene	208-96-8	120 UD	12 U	12 U	110 J	77 UD
Acetophenone	98-86-2	210 UD	22 U	21 U	27 U	130 UD
Anthracene	120-12-7	3600 JD	450	9.8 U	540	570 JD
Atrazine	1912-24-9	130 UD	13 U	12 U	16 U	78 UD
Benzaldehyde	100-52-7	400 UD	41 U	40 U	50 U	250 UD
Benzo(a)anthracene	56-55-3	5500 D	490	6.2 U	450 J	390 JD
Benzo(a)pyrene	50-32-8	3600 JD	300 J	7.0 U	230 J	44 UD
Benzo(b)fluoranthene	205-99-2	3400 JD	330 J	22 U	200 J	140 UD
Benzo(g,h,i)perylene	191-24-2	1600 JD	130 J	18 U	110 J	110 UD
Benzo(k)fluoranthene	207-08-9	1500 JD	140 J	14 U	130 J	88 UD
bis(2-Chloroethoxy)methane	111-91-1	190 UD	19 U	19 U	23 U	120 UD
bis(2-Chloroethyl)ether	111-44-4	200 UD	20 U	20 U	25 U	130 UD
bis(2-Ethylhexyl)phthalate	117-81-7	94 UD	210 J	110 J	89 J	59 UD
Butylbenzylphthalate	85-68-7	140 UD	130 J	80 J	17 U	86 UD
Caprolactam	105-60-2	150 UD	15 U	15 U	19 U	95 UD
Carbazole	86-74-8	1400 JD	200 J	9.0 U	380 J	340 JD
Chrysene	218-01-9	3800 JD	410 J	13 U	380 J	380 JD
Dibenz(a,h)anthracene	53-70-3	120 UD	12 U	12 U	15 U	75 UD
Dibenzofuran	132-64-9	1800 JD	210 J	13 U	640	480 JD
Diethylphthalate	84-66-2	130 UD	62 J	70 J	16 U	81 UD
Dimethylphthalate	131-11-3	98 UD	9.9 U	9.8 U	12 U	61 UD
Di-n-butylphthalate	84-74-2	55 UD	73 J	5.4 U	6.8 U	34 UD
Di-n-octyl phthalate	117-84-0	98 UD	9.9 U	9.8 U	12 U	61 UD
Fluoranthene	206-44-0	13000 D	1200	5.7 U	1400	1000 JD
Fluorene	86-73-7	2400 JD	270 J	12 U	1100	790 JD
Hexachlorobenzene	118-74-1	77 UD	7.8 U	7.7 U	9.6 U	48 UD
Hexachlorobutadiene	87-68-3	140 UD	15 U	14 U	18 U	90 UD
Hexachlorocyclopentadiene	77-47-4	100 UD	10 U	10 U	13 U	64 UD
Hexachloroethane	67-72-1	200 UD	20 U	20 U	25 U	120 UD
Indeno(1,2,3-cd)pyrene	193-39-5	1400 JD	110 J	9.9 U	74 J	62 UD
Isophorone	78-59-1	150 UD	15 U	15 U	19 U	95 UD
Naphthalene	91-20-3	2600 JD	280 J	8.9 U	6400 E	7100 D
Nitrobenzene	98-95-3	210 UD	21 U	21 U	26 U	130 UD
N-Nitroso-di-n-propylamine	621-64-7	180 UD	18 U	18 U	23 U	110 UD
N-Nitrosodiphenylamine	86-30-6	100 UD	11 U	10 U	13 U	65 UD
Pentachlorophenol	87-86-5	130 UD	13 U	13 U	16 U	80 UD
Phenanthrene	85-01-8	16000 D	1900	9.1 U	3500	2800 D
Phenol	108-95-2	170 UD	17 U	17 U	21 U	110 UD
Pyrene	129-00-0	13000 D	1100	7.3 U	1700	1400 JD
Total Confident Conc. SVOC		78210	8415	326	21953	17890
Total TICs		0	4195	4180	53890	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-16(28-28.5)	SB-16(28-28.5)DL	SB-16(28-28.5)DL2	SB-17(12-12.5)	SB-17(24-24.5)
Lab Sample Number		T1669-04	T1669-04DL	T1669-04DL2	T1669-05	T1669-08
Sampling Date		02/21/05	02/21/05	02/21/05	02/21/05	02/21/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	5.0	25.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	2600	3100 D	2600 JD	18 U	12 U
2,2-oxybis(1-Chloropropane)	108-60-1	22 U	110 UD	540 UD	33 U	22 U
2,4,5-Trichlorophenol	95-95-4	26 U	130 UD	660 UD	41 U	26 U
2,4,6-Trichlorophenol	88-06-2	14 U	72 UD	360 UD	22 U	14 U
2,4-Dichlorophenol	120-83-2	14 U	70 UD	350 UD	21 U	14 U
2,4-Dimethylphenol	105-67-9	22 U	110 UD	540 UD	33 U	22 U
2,4-Dinitrophenol	51-28-5	18 U	86 UD	440 UD	27 U	18 U
2,4-Dinitrotoluene	121-14-2	7.9 U	40 UD	200 UD	12 U	7.9 U
2,6-Dinitrotoluene	606-20-2	17 U	85 UD	420 UD	26 U	17 U
2-Chloronaphthalene	91-58-7	8.3 U	42 UD	210 UD	13 U	8.3 U
2-Chlorophenol	95-57-8	17 U	86 UD	430 UD	26 U	17 U
2-Methylnaphthalene	91-57-6	6000 E	7500 D	5900 JD	11 U	6.9 U
2-Methylphenol	95-48-7	25 U	130 UD	630 UD	39 U	25 U
2-Nitroaniline	88-74-4	14 U	72 UD	360 UD	22 U	14 U
2-Nitrophenol	88-75-5	16 U	80 UD	400 UD	25 U	16 U
3,3-Dichlorobenzidine	91-94-1	64 U	320 UD	1600 UD	98 U	64 U
3+4-Methylphenols	106-44-5	18 U	91 UD	460 UD	28 U	18 U
3-Nitroaniline	99-09-2	64 U	320 UD	1600 UD	99 U	64 U
4,6-Dinitro-2-methylphenol	534-52-1	23 U	120 UD	580 UD	36 U	23 U
4-Bromophenyl-phenylether	101-55-3	10 U	52 UD	260 UD	16 U	10 U
4-Chloro-3-methylphenol	59-50-7	12 U	59 UD	290 UD	18 U	12 U
4-Chloroaniline	106-47-8	150 U	740 UD	3700 UD	230 U	150 U
4-Chlorophenyl-phenylether	7005-72-3	9.9 U	49 UD	250 UD	15 U	9.9 U
4-Nitroaniline	100-01-6	31 U	160 UD	780 UD	48 U	31 U
4-Nitrophenol	100-02-7	39 U	190 UD	970 UD	60 U	39 U
Acenaphthene	83-32-9	6100 E	11000 D	8100 JD	14 U	8.8 U
Acenaphthylene	208-96-8	500	500 JD	300 UD	18 U	12 U
Acetophenone	98-86-2	21 U	100 UD	520 UD	32 U	21 U
Anthracene	120-12-7	6100 E	9500 D	6800 JD	15 U	9.5 U
Atrazine	1912-24-9	12 U	61 UD	300 UD	19 U	12 U
Benzaldehyde	100-52-7	39 U	190 UD	970 UD	60 U	39 U
Benzo(a)anthracene	56-55-3	4800 E	5900 D	5200 JD	120 J	6.0 U
Benzo(a)pyrene	50-32-8	2900	2900 D	2500 JD	93 J	6.9 U
Benzo(b)fluoranthene	205-99-2	3200 E	2500 D	2400 JD	81 J	21 U
Benzo(g,h,i)perylene	191-24-2	470	1100 JD	1200 JD	27 U	17 U
Benzo(k)fluoranthene	207-08-9	1300	1000 JD	340 UD	21 U	14 U
bis(2-Chloroethoxy)methane	111-91-1	18 U	91 UD	450 UD	28 U	18 U
bis(2-Chloroethyl)ether	111-44-4	20 U	98 UD	490 UD	30 U	20 U
bis(2-Ethylhexyl)phthalate	117-81-7	55 J	46 UD	230 UD	14 U	200 J
Butylbenzylphthalate	85-68-7	13 U	67 UD	330 UD	21 U	13 U
Caprolactam	105-60-2	15 U	73 UD	370 UD	23 U	15 U
Carbazole	86-74-8	100 J	210 JD	220 UD	14 U	8.8 U
Chrysene	218-01-9	3600 E	3700 D	3600 JD	93 J	13 U
Dibenz(a,h)anthracene	53-70-3	62 J	58 UD	290 UD	18 U	12 U
Dibenzofuran	132-64-9	5700 E	9400 D	6500 JD	20 U	13 U
Diethylphthalate	84-66-2	13 U	63 UD	310 UD	19 U	13 U
Dimethylphthalate	131-11-3	9.5 U	48 UD	240 UD	15 U	9.5 U
Di-n-butylphthalate	84-74-2	5.3 U	26 UD	130 UD	8.1 U	5.3 U
Di-n-octyl phthalate	117-84-0	9.5 U	48 UD	240 UD	15 U	9.5 U
Fluoranthene	206-44-0	10000 E	19000 ED	14000 D	170 J	5.5 U
Fluorene	86-73-7	6400 E	12000 D	8200 JD	17 U	11 U
Hexachlorobenzene	118-74-1	7.5 U	37 UD	190 UD	11 U	7.5 U
Hexachlorobutadiene	87-68-3	14 U	70 UD	350 UD	21 U	14 U
Hexachlorocyclopentadiene	77-47-4	10 U	50 UD	250 UD	15 U	10 U
Hexachloroethane	67-72-1	19 U	95 UD	480 UD	29 U	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	320 J	750 JD	240 UD	15 U	9.6 U
Isophorone	78-59-1	15 U	74 UD	370 UD	23 U	15 U
Naphthalene	91-20-3	1100	1000 JD	220 UD	13 U	140 J
Nitrobenzene	98-95-3	20 U	100 UD	510 UD	31 U	20 U
N-Nitroso-di-n-propylamine	621-64-7	18 U	88 UD	440 UD	27 U	18 U
N-Nitrosodiphenylamine	86-30-6	10 U	51 UD	250 UD	16 U	10 U
Pentachlorophenol	87-86-5	12 U	62 UD	310 UD	19 U	12 U
Phenanthrene	85-01-8	16000 E	32000 ED	43000 D	220 J	8.8 U
Phenol	108-95-2	17 U	83 UD	420 UD	26 U	17 U
Pyrene	129-00-0	8100 E	19000 ED	15000 D	200 J	7.1 U
Total Confident Conc. SVOC		85407	142060	125000	977	340
Total TICs		16490	0	0	2800	2920

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-18(12-12.5)	SB-18(9.5-10)	SB-18(9.5-10)DL	SB-19(13-13.5)	SB-19(13-13.5)DL
Lab Sample Number		T1669-09	T1669-10	T1669-10DL	T1669-11	T1669-11DL
Sampling Date		02/21/05	02/21/05	02/21/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	5.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	61 J	980	740 JD	1400	61 UD
2,2-oxybis(1-Chloropropane)	108-60-1	22 U	21 U	110 UD	22 U	110 UD
2,4,5-Trichlorophenol	95-95-4	27 U	26 U	130 UD	27 U	140 UD
2,4,6-Trichlorophenol	88-06-2	15 U	14 U	72 UD	15 U	75 UD
2,4-Dichlorophenol	120-83-2	14 U	14 U	70 UD	15 U	73 UD
2,4-Dimethylphenol	105-67-9	22 U	21 U	110 UD	22 U	110 UD
2,4-Dinitrophenol	51-28-5	18 U	18 U	88 UD	18 U	91 UD
2,4-Dinitrotoluene	121-14-2	8.1 U	7.9 U	40 UD	8.3 U	41 UD
2,6-Dinitrotoluene	606-20-2	17 U	17 U	85 UD	18 U	88 UD
2-Chloronaphthalene	91-58-7	8.5 U	8.3 U	41 UD	8.6 U	43 UD
2-Chlorophenol	95-57-8	18 U	17 U	86 UD	18 U	89 UD
2-Methylnaphthalene	91-57-6	600	6700 E	7800 D	13000 E	16000 D
2-Methylphenol	95-48-7	26 U	25 U	130 UD	26 U	130 UD
2-Nitroaniline	88-74-4	15 U	14 U	72 UD	15 U	75 UD
2-Nitrophenol	88-75-5	16 U	16 U	80 UD	17 U	83 UD
3,3-Dichlorobenzidine	91-94-1	65 U	64 U	320 UD	66 U	330 UD
3+4-Methylphenols	106-44-5	19 U	18 U	91 UD	19 U	95 UD
3-Nitroaniline	99-09-2	66 U	64 U	320 UD	67 U	330 UD
4,6-Dinitro-2-methylphenol	534-52-1	24 U	23 U	120 UD	24 U	120 UD
4-Bromophenyl-phenylether	101-55-3	11 U	10 U	52 UD	11 U	54 UD
4-Chloro-3-methylphenol	59-50-7	12 U	12 U	59 UD	12 U	61 UD
4-Chloroaniline	106-47-8	150 U	150 U	730 UD	150 U	770 UD
4-Chlorophenyl-phenylether	7005-72-3	10 U	9.8 U	49 UD	10 U	51 UD
4-Nitroaniline	100-01-6	32 U	31 U	160 UD	32 U	160 UD
4-Nitrophenol	100-02-7	40 U	39 U	190 UD	40 U	200 UD
Acenaphthene	83-32-9	120 J	1800	2500 D	1700	2600 D
Acenaphthylene	208-96-8	12 U	540	540 JD	12 U	62 UD
Acetophenone	98-86-2	21 U	21 U	100 UD	22 U	110 UD
Anthracene	120-12-7	150 J	2800	2900 D	2200	3000 D
Atrazine	1912-24-9	12 U	12 U	61 UD	13 U	63 UD
Benzaldehyde	100-52-7	40 U	39 U	190 UD	41 U	200 UD
Benzo(a)anthracene	56-55-3	110 J	2500	2500 D	1500	1500 JD
Benzo(a)pyrene	50-32-8	65 J	1600	1400 JD	810	710 JD
Benzo(b)fluoranthene	205-99-2	50 J	1800	1200 JD	730	560 JD
Benzo(g,h,i)perylene	191-24-2	41 J	340 J	610 JD	190 J	330 JD
Benzo(k)fluoranthene	207-08-9	14 U	550	570 JD	290 J	290 JD
bis(2-Chloroethoxy)methane	111-91-1	19 U	18 U	91 UD	19 U	94 UD
bis(2-Chloroethyl)ether	111-44-4	20 U	20 U	98 UD	20 U	100 UD
bis(2-Ethylhexyl)phthalate	117-81-7	82 J	79 J	46 UD	51 J	48 UD
Butylbenzylphthalate	85-68-7	14 U	13 U	67 UD	14 U	69 UD
Caprolactam	105-60-2	15 U	15 U	73 UD	15 U	76 UD
Carbazole	86-74-8	9.0 U	8.8 U	44 UD	9.1 U	46 UD
Chrysene	218-01-9	99 J	2000	1700 JD	1200	1100 JD
Dibenz(a,h)anthracene	53-70-3	12 U	41 J	58 UD	12 U	61 UD
Dibenzofuran	132-64-9	13 U	630	930 JD	14 U	1100 JD
Diethylphthalate	84-66-2	120 J	12 U	62 UD	13 U	65 UD
Dimethylphthalate	131-11-3	9.7 U	9.5 U	47 UD	9.9 U	49 UD
Di-n-butylphthalate	84-74-2	5.4 U	5.3 U	26 UD	5.5 U	28 UD
Di-n-octyl phthalate	117-84-0	9.7 U	9.5 U	47 UD	9.9 U	49 UD
Fluoranthene	206-44-0	160 J	4400 E	5000 D	3400 E	2700 D
Fluorene	86-73-7	170 J	2200	3700 D	2100	3700 D
Hexachlorobenzene	118-74-1	7.6 U	7.4 U	37 UD	7.8 U	39 UD
Hexachlorobutadiene	87-68-3	14 U	14 U	70 UD	15 U	73 UD
Hexachlorocyclopentadiene	77-47-4	10 U	10 U	50 UD	10 U	52 UD
Hexachloroethane	67-72-1	19 U	19 U	95 UD	20 U	99 UD
Indeno(1,2,3-cd)pyrene	193-39-5	9.8 U	200 J	360 JD	100 J	50 UD
Isophorone	78-59-1	15 U	15 U	74 UD	15 U	77 UD
Naphthalene	91-20-3	470	6000 E	7000 D	11000 E	17000 ED
Nitrobenzene	98-95-3	21 U	20 U	100 UD	21 U	110 UD
N-Nitroso-di-n-propylamine	621-64-7	18 U	18 U	88 UD	18 U	91 UD
N-Nitrosodiphenylamine	86-30-6	10 U	10 U	50 UD	11 U	53 UD
Pentachlorophenol	87-86-5	13 U	12 U	62 UD	13 U	64 UD
Phenanthrene	85-01-8	540	6300 E	10000 D	6800 E	9200 D
Phenol	108-95-2	17 U	17 U	83 UD	17 U	86 UD
Pyrene	129-00-0	410	4800 E	12000 D	3500 E	8500 D
Total Confident Conc. SVOC		3248	46240	61450	49871	68290
Total TICs		7730	48500	0	24590	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-19(13-13.5)DL2	SB-19(13-13.5)DUP	SB-19(13-13.5)DUPDL	SB-19(13-13.5)DUPDL2	SB-19(7.5-8)
Lab Sample Number		T1669-11DL2	T1669-12	T1669-12DL	T1669-12DL2	T1669-13
Sampling Date		02/22/05	02/22/05	02/22/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		25.0	2.0	10.0	50.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	1100 JD	8600	9000 D	8200 JD	410
2,2-oxybis(1-Chloropropane)	108-60-1	560 UD	85 U	430 UD	2100 UD	22 U
2,4,5-Trichlorophenol	95-95-4	680 UD	100 U	520 UD	2600 UD	26 U
2,4,6-Trichlorophenol	88-06-2	380 UD	57 U	280 UD	1400 UD	15 U
2,4-Dichlorophenol	120-83-2	380 UD	55 U	280 UD	1400 UD	14 U
2,4-Dimethylphenol	105-67-9	560 UD	85 U	430 UD	2100 UD	22 U
2,4-Dinitrophenol	51-28-5	460 UD	69 U	350 UD	1700 UD	18 U
2,4-Dinitrotoluene	121-14-2	210 UD	31 U	160 UD	780 UD	8.0 U
2,6-Dinitrotoluene	606-20-2	440 UD	67 U	330 UD	1700 UD	17 U
2-Chloronaphthalene	91-58-7	220 UD	33 U	160 UD	820 UD	8.3 U
2-Chlorophenol	95-57-8	450 UD	68 U	340 UD	1700 UD	17 U
2-Methylnaphthalene	91-57-6	16000 D	94000 E	110000 ED	120000 D	1000
2-Methylphenol	95-48-7	650 UD	99 U	500 UD	2500 UD	25 U
2-Nitroaniline	88-74-4	380 UD	57 U	280 UD	1400 UD	15 U
2-Nitrophenol	88-75-5	420 UD	63 U	320 UD	1600 UD	16 U
3,3-Dichlorobenzidine	91-94-1	1700 UD	250 U	1300 UD	6300 UD	64 U
3+4-Methylphenols	106-44-5	480 UD	72 U	360 UD	1800 UD	18 U
3-Nitroaniline	99-09-2	1700 UD	250 U	1300 UD	6300 UD	65 U
4,6-Dinitro-2-methylphenol	534-52-1	600 UD	91 U	460 UD	2300 UD	23 U
4-Bromophenyl-phenylether	101-55-3	270 UD	41 U	210 UD	1000 UD	11 U
4-Chloro-3-methylphenol	59-50-7	310 UD	47 U	230 UD	1200 UD	12 U
4-Chloroaniline	106-47-8	3800 UD	580 U	2900 UD	15000 UD	150 U
4-Chlorophenyl-phenylether	7005-72-3	260 UD	39 U	190 UD	970 UD	9.9 U
4-Nitroaniline	100-01-6	810 UD	120 U	620 UD	3100 UD	31 U
4-Nitrophenol	100-02-7	1000 UD	150 U	770 UD	3800 UD	39 U
Acenaphthene	83-32-9	2400 JD	14000 E	17000 D	18000 JD	1100
Acenaphthylene	208-96-8	310 UD	47 U	4400 JD	4400 JD	390 J
Acetophenone	98-86-2	540 UD	82 U	410 UD	2100 UD	21 U
Anthracene	120-12-7	2700 JD	19000 E	18000 D	18000 JD	1100
Atrazine	1912-24-9	320 UD	48 U	240 UD	1200 UD	12 U
Benzaldehyde	100-52-7	1000 UD	150 U	770 UD	3800 UD	39 U
Benzo(a)anthracene	56-55-3	1500 JD	10000	9500 D	10000 JD	1400
Benzo(a)pyrene	50-32-8	180 UD	4900	4900 JD	4900 JD	870
Benzo(b)fluoranthene	205-99-2	550 UD	4200	4100 JD	4000 JD	690
Benzo(g,h,i)perylene	191-24-2	450 UD	830 J	1700 JD	1700 UD	170 J
Benzo(k)fluoranthene	207-08-9	350 UD	2000	1900 JD	1300 UD	420
bis(2-Chloroethoxy)methane	111-91-1	470 UD	72 U	360 UD	1800 UD	18 U
bis(2-Chloroethyl)ether	111-44-4	510 UD	77 U	390 UD	1900 UD	20 U
bis(2-Ethylhexyl)phthalate	117-81-7	240 UD	36 U	180 UD	900 UD	56 J
Butylbenzylphthalate	85-68-7	350 UD	53 U	260 UD	1300 UD	13 U
Caprolactam	105-60-2	380 UD	58 U	290 UD	1400 UD	15 U
Carbazole	86-74-8	230 UD	35 U	170 UD	870 UD	8.8 U
Chrysene	218-01-9	1200 JD	8000	7600 JD	8100 JD	1400
Dibenz(a,h)anthracene	53-70-3	300 UD	46 U	230 UD	1200 UD	12 U
Dibenzofuran	132-64-9	340 UD	52 U	7100 JD	7800 JD	13 U
Diethylphthalate	84-66-2	330 UD	49 U	250 UD	1200 UD	13 U
Dimethylphthalate	131-11-3	250 UD	38 U	190 UD	940 UD	9.6 U
Di-n-butylphthalate	84-74-2	140 UD	21 U	100 UD	520 UD	5.3 U
Di-n-octyl phthalate	117-84-0	250 UD	38 U	190 UD	940 UD	9.6 U
Fluoranthene	206-44-0	2300 JD	22000 E	22000 D	16000 JD	2500
Fluorene	86-73-7	3300 JD	10000	21000 D	26000 JD	1200
Hexachlorobenzene	118-74-1	190 UD	29 U	150 UD	740 UD	7.5 U
Hexachlorobutadiene	87-68-3	360 UD	55 U	280 UD	1400 UD	14 U
Hexachlorocyclopentadiene	77-47-4	260 UD	39 U	200 UD	990 UD	10 U
Hexachloroethane	67-72-1	490 UD	75 U	380 UD	1900 UD	19 U
Indeno(1,2,3-cd)pyrene	193-39-5	250 UD	660 J	880 JD	950 UD	120 J
Isophorone	78-59-1	380 UD	58 U	290 UD	1500 UD	15 U
Naphthalene	91-20-3	17000 D	79000 E	89000 ED	130000 D	2000
Nitrobenzene	98-95-3	530 UD	80 U	400 UD	2000 UD	20 U
N-Nitroso-di-n-propylamine	621-64-7	460 UD	69 U	350 UD	1700 UD	18 U
N-Nitrosodiphenylamine	86-30-6	260 UD	40 U	200 UD	1000 UD	10 U
Pentachlorophenol	87-86-5	320 UD	49 U	240 UD	1200 UD	12 U
Phenanthrene	85-01-8	9200 JD	48000 E	55000 D	69000 D	3500 E
Phenol	108-95-2	430 UD	66 U	330 UD	1600 UD	17 U
Pyrene	129-00-0	6800 JD	22000 E	47000 D	51000 D	3200
Total Confident Conc. SVOC		63500	347190	430080	495400	21526
Total TICs		0	53300	0	0	37990

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-19(7.5-8)DL	SB-20(8-8.5)	SB-20(8-8.5)DL	SB-20(17-17.5)	SB-21(9.5-10)
Lab Sample Number		T1669-13DL	T1669-14	T1669-14DL	T1669-15	T1669-16
Sampling Date		02/22/05	02/22/05	02/22/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		5.0	1.0	5.0	1.0	5.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	240 JD	300 J	250 JD	18 U	5000
2,2-oxybis(1-Chloropropane)	108-60-1	110 UD	20 U	100 UD	33 U	220 U
2,4,5-Trichlorophenol	95-95-4	130 UD	25 U	120 UD	40 U	270 U
2,4,6-Trichlorophenol	88-06-2	73 UD	14 U	68 UD	22 U	150 U
2,4-Dichlorophenol	120-83-2	70 UD	13 U	66 UD	21 U	140 U
2,4-Dimethylphenol	105-67-9	110 UD	20 U	100 UD	33 U	2200 J
2,4-Dinitrophenol	51-28-5	88 UD	17 U	83 UD	27 U	180 U
2,4-Dinitrotoluene	121-14-2	40 UD	7.5 U	37 UD	12 U	82 U
2,6-Dinitrotoluene	606-20-2	85 UD	16 U	80 UD	26 U	170 U
2-Chloronaphthalene	91-58-7	42 UD	7.8 U	39 UD	13 U	85 U
2-Chlorophenol	95-57-8	87 UD	16 U	81 UD	26 U	180 U
2-Methylnaphthalene	91-57-6	4600 D	7300 E	4400 D	11 U	28000
2-Methylphenol	95-48-7	130 UD	24 U	120 UD	39 U	260 U
2-Nitroaniline	88-74-4	73 UD	14 U	68 UD	22 U	150 U
2-Nitrophenol	88-75-5	80 UD	15 U	75 UD	25 U	160 U
3,3-Dichlorobenzidine	91-94-1	320 UD	60 U	300 UD	98 U	660 U
3+4-Methylphenols	106-44-5	92 UD	17 U	86 UD	28 U	190 U
3-Nitroaniline	99-09-2	320 UD	60 U	300 UD	98 U	660 U
4,6-Dinitro-2-methylphenol	534-52-1	120 UD	22 U	110 UD	35 U	240 U
4-Bromophenyl-phenylether	101-55-3	53 UD	9.9 U	49 UD	16 U	110 U
4-Chloro-3-methylphenol	59-50-7	59 UD	11 U	55 UD	18 U	120 U
4-Chloroaniline	106-47-8	740 UD	140 U	690 UD	230 U	1500 U
4-Chlorophenyl-phenylether	7005-72-3	50 UD	9.3 U	46 UD	15 U	100 U
4-Nitroaniline	100-01-6	160 UD	29 U	150 UD	48 U	320 U
4-Nitrophenol	100-02-7	200 UD	37 U	180 UD	60 U	400 U
Acenaphthene	83-32-9	1400 JD	430	400 JD	13 U	27000
Acenaphthylene	208-96-8	330 JD	210 J	58 UD	18 U	8900
Acetophenone	98-86-2	100 UD	20 U	98 UD	32 U	210 U
Anthracene	120-12-7	1800 JD	890	770 JD	15 U	38000 E
Atrazine	1912-24-9	61 UD	11 U	57 UD	19 U	130 U
Benzaldehyde	100-52-7	200 UD	37 U	180 UD	60 U	400 U
Benzo(a)anthracene	56-55-3	1400 JD	1000	1000 JD	9.2 U	34000 E
Benzo(a)pyrene	50-32-8	770 JD	780	650 JD	11 U	28000
Benzo(b)fluoranthene	205-99-2	670 JD	820	540 JD	32 U	37000 E
Benzo(g,h,i)perylene	191-24-2	390 JD	260 J	480 JD	27 U	5000
Benzo(k)fluoranthene	207-08-9	340 JD	250 J	300 JD	21 U	12000
bis(2-Chloroethoxy)methane	111-91-1	91 UD	17 U	86 UD	28 U	190 U
bis(2-Chloroethyl)ether	111-44-4	99 UD	18 U	92 UD	30 U	200 U
bis(2-Ethylhexyl)phthalate	117-81-7	46 UD	590	630 JD	130 J	94 U
Butylbenzylphthalate	85-68-7	67 UD	13 U	63 UD	20 U	140 U
Caprolactam	105-60-2	74 UD	14 U	69 UD	23 U	150 U
Carbazole	86-74-8	44 UD	8.3 U	41 UD	13 U	20000
Chrysene	218-01-9	1100 JD	890	770 JD	19 U	30000
Dibenz(a,h)anthracene	53-70-3	59 UD	11 U	55 UD	18 U	730 J
Dibenzofuran	132-64-9	66 UD	260 J	210 JD	20 U	28000
Diethylphthalate	84-66-2	63 UD	12 U	59 UD	19 U	130 U
Dimethylphthalate	131-11-3	48 UD	8.9 U	45 UD	15 U	98 U
Di-n-butylphthalate	84-74-2	27 UD	5.0 U	25 UD	8.1 U	54 U
Di-n-octyl phthalate	117-84-0	48 UD	8.9 U	45 UD	15 U	98 U
Fluoranthene	206-44-0	2300 D	1700	1700 JD	8.5 U	72000 E
Fluorene	86-73-7	1900 JD	710	590 JD	17 U	34000 E
Hexachlorobenzene	118-74-1	38 UD	7.0 U	35 UD	11 U	77 U
Hexachlorobutadiene	87-68-3	70 UD	13 U	66 UD	21 U	140 U
Hexachlorocyclopentadiene	77-47-4	50 UD	9.4 U	47 UD	15 U	100 U
Hexachloroethane	67-72-1	96 UD	18 U	89 UD	29 U	200 U
Indeno(1,2,3-cd)pyrene	193-39-5	48 UD	140 J	250 JD	15 U	2900 J
Isophorone	78-59-1	74 UD	14 U	70 UD	23 U	150 U
Naphthalene	91-20-3	2000 JD	4000 E	3700 D	13 U	64000 E
Nitrobenzene	98-95-3	100 UD	19 U	95 UD	31 U	210 U
N-Nitroso-di-n-propylamine	621-64-7	88 UD	17 U	83 UD	27 U	180 U
N-Nitrosodiphenylamine	86-30-6	51 UD	9.5 U	48 UD	15 U	100 U
Pentachlorophenol	87-86-5	62 UD	12 U	58 UD	19 U	130 U
Phenanthrene	85-01-8	4300 D	2400	2600 D	74 J	94000 E
Phenol	108-95-2	83 UD	16 U	78 UD	25 U	170 U
Pyrene	129-00-0	8900 D	3100 E	3500 D	11 U	68000 E
Total Confident Conc. SVOC		32440	26030	22740	204	638730
Total TICs		0	26990	0	18920	220200

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		SB-21(9.5-10)DL	SB-21(9.5-10)DL2	SB-21(12-12.5)	SB-21(12-12.5)DL	SB-21(20.5-21)
Lab Sample Number		T1669-16DL	T1669-16DL2	T1669-17	T1669-17DL	T1669-18
Sampling Date		02/22/05	02/22/05	02/22/05	02/22/05	02/22/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		25.0	125.0	1.0	5.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
1,1-Biphenyl	92-52-4	4300 JD	3000 UD	420 J	120 UD	74 J
2,2-oxybis(1-Chloropropane)	108-60-1	1100 UD	5500 UD	44 U	220 UD	20 U
2,4,5-Trichlorophenol	95-95-4	1400 UD	6800 UD	54 U	270 UD	25 U
2,4,6-Trichlorophenol	88-06-2	740 UD	3700 UD	30 U	150 UD	13 U
2,4-Dichlorophenol	120-83-2	720 UD	3600 UD	29 U	140 UD	13 U
2,4-Dimethylphenol	105-67-9	1100 UD	5500 UD	220 J	220 UD	20 U
2,4-Dinitrophenol	51-28-5	900 UD	4500 UD	36 U	180 UD	16 U
2,4-Dinitrotoluene	121-14-2	410 UD	2000 UD	16 U	82 UD	7.4 U
2,6-Dinitrotoluene	606-20-2	870 UD	4400 UD	35 U	170 UD	16 U
2-Chloronaphthalene	91-58-7	430 UD	2100 UD	17 U	85 UD	7.7 U
2-Chlorophenol	95-57-8	890 UD	4400 UD	35 U	180 UD	16 U
2-Methylnaphthalene	91-57-6	24000 D	19000 JD	1900	1600 JD	590
2-Methylphenol	95-48-7	1300 UD	6500 UD	52 U	260 UD	23 U
2-Nitroaniline	88-74-4	740 UD	3700 UD	30 U	150 UD	13 U
2-Nitrophenol	88-75-5	820 UD	4100 UD	33 U	160 UD	15 U
3,3-Dichlorobenzidine	91-94-1	3300 UD	16000 UD	130 U	660 UD	60 U
3+4-Methylphenols	106-44-5	940 UD	4700 UD	38 U	190 UD	17 U
3-Nitroaniline	99-09-2	3300 UD	17000 UD	130 U	660 UD	60 U
4,6-Dinitro-2-methylphenol	534-52-1	1200 UD	5900 UD	47 U	240 UD	22 U
4-Bromophenyl-phenylether	101-55-3	540 UD	2700 UD	22 U	110 UD	9.7 U
4-Chloro-3-methylphenol	59-50-7	610 UD	3000 UD	24 U	120 UD	11 U
4-Chloroaniline	106-47-8	7600 UD	38000 UD	300 U	1500 UD	140 U
4-Chlorophenyl-phenylether	7005-72-3	510 UD	2500 UD	20 U	100 UD	9.2 U
4-Nitroaniline	100-01-6	1600 UD	8000 UD	64 U	320 UD	29 U
4-Nitrophenol	100-02-7	2000 UD	10000 UD	80 U	400 UD	36 U
Acenaphthene	83-32-9	22000 D	19000 JD	3900	3100 JD	240 J
Acenaphthylene	208-96-8	7000 JD	3100 UD	380 J	120 UD	85 J
Acetophenone	98-86-2	1100 UD	5400 UD	43 U	210 UD	19 U
Anthracene	120-12-7	39000 D	30000 JD	6200	5300 D	440
Atrazine	1912-24-9	630 UD	3100 UD	25 U	120 UD	11 U
Benzaldehyde	100-52-7	2000 UD	10000 UD	80 U	400 UD	36 U
Benzo(a)anthracene	56-55-3	37000 D	35000 JD	6200	6300 D	410
Benzo(a)pyrene	50-32-8	23000 D	21000 JD	4900	3900 JD	260 J
Benzo(b)fluoranthene	205-99-2	24000 D	22000 JD	6000	3800 JD	240 J
Benzo(g,h,i)perylene	191-24-2	9800 JD	11000 JD	1100	2100 JD	130 J
Benzo(k)fluoranthene	207-08-9	10000 JD	11000 JD	1600	2000 JD	130 J
bis(2-Chloroethoxy)methane	111-91-1	940 UD	4700 UD	37 U	190 UD	17 U
bis(2-Chloroethyl)ether	111-44-4	1000 UD	5000 UD	40 U	200 UD	18 U
bis(2-Ethylhexyl)phthalate	117-81-7	470 UD	2400 UD	19 U	94 UD	62 J
Butylbenzylphthalate	85-68-7	690 UD	3400 UD	27 U	140 UD	12 U
Caprolactam	105-60-2	760 UD	3800 UD	30 U	150 UD	14 U
Carbazole	86-74-8	15000 JD	12000 JD	3000	2200 JD	170 J
Chrysene	218-01-9	27000 D	21000 JD	5000	4500 D	330 J
Dibenz(a,h)anthracene	53-70-3	600 UD	3000 UD	140 J	120 UD	11 U
Dibenzofuran	132-64-9	21000 D	17000 JD	3100	2300 JD	12 U
Diethylphthalate	84-66-2	640 UD	3200 UD	26 U	130 UD	12 U
Dimethylphthalate	131-11-3	490 UD	2400 UD	20 U	98 UD	8.9 U
Di-n-butylphthalate	84-74-2	270 UD	1400 UD	11 U	54 UD	4.9 U
Di-n-octyl phthalate	117-84-0	490 UD	2400 UD	20 U	98 UD	8.9 U
Fluoranthene	206-44-0	110000 D	66000 JD	14000 E	17000 D	1000
Fluorene	86-73-7	28000 D	21000 JD	4200	3200 JD	340 J
Hexachlorobenzene	118-74-1	380 UD	1900 UD	15 U	77 UD	6.9 U
Hexachlorobutadiene	87-68-3	720 UD	3600 UD	29 U	140 UD	13 U
Hexachlorocyclopentadiene	77-47-4	510 UD	2600 UD	21 U	100 UD	9.3 U
Hexachloroethane	67-72-1	980 UD	4900 UD	39 U	200 UD	18 U
Indeno(1,2,3-cd)pyrene	193-39-5	7900 JD	2500 UD	810 J	1600 JD	98 J
Isophorone	78-59-1	760 UD	3800 UD	30 U	150 UD	14 U
Naphthalene	91-20-3	110000 D	89000 JD	6700 E	5800 D	780
Nitrobenzene	98-95-3	1000 UD	5200 UD	42 U	210 UD	19 U
N-Nitroso-di-n-propylamine	621-64-7	900 UD	4500 UD	36 U	180 UD	16 U
N-Nitrosodiphenylamine	86-30-6	520 UD	2600 UD	21 U	100 UD	9.4 U
Pentachlorophenol	87-86-5	640 UD	3200 UD	25 U	130 UD	12 U
Phenanthrene	85-01-8	180000 ED	130000 D	17000 E	27000 D	1800
Phenol	108-95-2	850 UD	4300 UD	34 U	170 UD	15 U
Pyrene	129-00-0	110000 D	78000 JD	12000 E	17000 D	1200
Total Confident Conc. SVOC		807000	602000	98770	108700	8379
Total TICs		0	0	16050	0	6430

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		FIELDBLANK	FB-2	FB-3
Lab Sample Number		T1346-25	T1380-17	T1669-19
Sampling Date		01/27/05	01/31/05	02/22/05
Matrix		WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0
Units		ug/L	ug/L	ug/L
COMPOUND	CAS #			
1,1-Biphenyl	92-52-4	0.270 U	0.260 U	0.270 U
2,2-oxybis(1-Chloropropane)	108-60-1	0.840 U	0.800 U	0.830 U
2,4,5-Trichlorophenol	95-95-4	0.590 U	0.560 U	0.580 U
2,4,6-Trichlorophenol	88-06-2	0.290 U	0.270 U	0.280 U
2,4-Dichlorophenol	120-83-2	0.290 U	0.280 U	0.290 U
2,4-Dimethylphenol	105-67-9	0.470 U	0.440 U	0.460 U
2,4-Dinitrophenol	51-28-5	0.190 U	0.180 U	0.190 U
2,4-Dinitrotoluene	121-14-2	0.340 U	0.320 U	0.340 U
2,6-Dinitrotoluene	606-20-2	0.420 U	0.400 U	0.410 U
2-Chloronaphthalene	91-58-7	0.390 U	0.370 U	0.390 U
2-Chlorophenol	95-57-8	0.730 U	0.700 U	0.730 U
2-Methylnaphthalene	91-57-6	0.500 U	0.480 U	0.500 U
2-Methylphenol	95-48-7	1.1 U	1.1 U	1.1 U
2-Nitroaniline	88-74-4	0.300 U	0.280 U	0.300 U
2-Nitrophenol	88-75-5	0.270 U	0.260 U	0.270 U
3,3-Dichlorobenzidine	91-94-1	1.6 U	1.5 U	1.6 U
3+4-Methylphenols	106-44-5	1.1 U	1.0 U	1.1 U
3-Nitroaniline	99-09-2	1.1 U	1.0 U	1.0 U
4,6-Dinitro-2-methylphenol	534-52-1	1.5 U	1.4 U	1.4 U
4-Bromophenyl-phenylether	101-55-3	0.170 U	0.160 U	0.170 U
4-Chloro-3-methylphenol	59-50-7	0.300 U	0.290 U	0.300 U
4-Chloroaniline	106-47-8	4.1 U	3.9 U	4.1 U
4-Chlorophenyl-phenylether	7005-72-3	0.370 U	0.350 U	0.360 U
4-Nitroaniline	100-01-6	0.840 U	0.800 U	0.830 U
4-Nitrophenol	100-02-7	0.950 U	0.900 U	0.940 U
Acenaphthene	83-32-9	0.240 U	0.230 U	0.240 U
Acenaphthylene	208-96-8	0.440 U	0.420 U	0.430 U
Acetophenone	98-86-2	0.560 U	0.530 U	0.550 U
Anthracene	120-12-7	0.160 U	0.150 U	0.160 U
Atrazine	1912-24-9	0.480 U	0.460 U	0.480 U
Benzaldehyde	100-52-7	1.7 U	1.6 U	1.7 U
Benzo(a)anthracene	56-55-3	0.230 U	0.220 U	0.220 U
Benzo(a)pyrene	50-32-8	0.450 U	0.430 U	0.450 U
Benzo(b)fluoranthene	205-99-2	0.230 U	0.220 U	0.230 U
Benzo(g,h,i)perylene	191-24-2	0.430 U	0.410 U	0.420 U
Benzo(k)fluoranthene	207-08-9	0.390 U	0.370 U	0.380 U
bis(2-Chloroethoxy)methane	111-91-1	0.450 U	0.420 U	0.440 U
bis(2-Chloroethyl)ether	111-44-4	0.330 U	0.310 U	0.330 U
bis(2-Ethylhexyl)phthalate	117-81-7	0.350 U	0.330 U	5.4 J
Butylbenzylphthalate	85-68-7	0.300 U	0.290 U	0.300 U
Caprolactam	105-60-2	0.510 U	0.490 U	0.510 U
Carbazole	86-74-8	0.310 U	0.300 U	0.310 U
Chrysene	218-01-9	0.390 U	0.370 U	0.380 U
Dibenz(a,h)anthracene	53-70-3	0.290 U	0.280 U	0.290 U
Dibenzofuran	132-64-9	0.320 U	0.300 U	0.310 U
Diethylphthalate	84-66-2	0.340 U	0.330 U	0.340 U
Dimethylphthalate	131-11-3	0.260 U	0.250 U	0.260 U
Di-n-butylphthalate	84-74-2	0.099 U	0.094 U	0.098 U
Di-n-octyl phthalate	117-84-0	0.170 U	0.160 U	0.170 U
Fluoranthene	206-44-0	0.210 U	0.200 U	0.210 U
Fluorene	86-73-7	0.170 U	0.170 U	0.170 U
Hexachlorobenzene	118-74-1	0.230 U	0.220 U	0.230 U
Hexachlorobutadiene	87-68-3	0.380 U	0.360 U	0.360 U
Hexachlorocyclopentadiene	77-47-4	0.460 U	0.430 U	0.450 U
Hexachloroethane	67-72-1	0.920 U	0.880 U	0.910 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.290 U	0.280 U	0.290 U
Isophorone	78-59-1	0.480 U	0.460 U	0.480 U
Naphthalene	91-20-3	0.270 U	0.260 U	0.270 U
Nitrobenzene	98-95-3	0.380 U	0.360 U	0.380 U
N-Nitroso-di-n-propylamine	621-64-7	0.770 U	0.740 U	0.770 U
N-Nitrosodiphenylamine	86-30-6	0.280 U	0.270 U	0.280 U
Pentachlorophenol	87-86-5	0.390 U	0.370 U	0.390 U
Phenanthrene	85-01-8	0.280 U	0.260 U	0.270 U
Phenol	108-95-2	0.430 U	0.410 U	0.430 U
Pyrene	129-00-0	0.250 U	0.240 U	0.250 U
Total Confident Conc. SVOC		8.2	0	5.4
Total TICs		0	8.2	14

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		SB-1(9.5-10)	SB-1(16.5-17)	SB-1(25-25.5)	SB-2(13.5-14)	SB-2(9.5-10)	SB-2(32.5-33)	SB-3(9.5-10)
Lab Sample Number		T1346-15	T1346-16	T1346-17	T1346-03	T1346-04	T1346-05	T1346-08
Sampling Date		01/25/05	01/25/05	01/25/05	01/24/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
COMPOUND	CAS #							
Antimony	7440-36-0	0.714 U	0.744 U	0.736 U	0.754 U	0.665 J	0.670 U	0.681 U
Arsenic	7440-38-2	1.140 J	0.666 J	0.931 J	1.290 J	6.880	2.100	3.100
Beryllium	7440-41-7	0.279 J	0.277 J	0.292 J	0.316 J	0.113 J	0.174 J	0.265 J
Cadmium	7440-43-9	0.058 U	0.061 U	0.060 U	0.062 U	0.054 U	0.055 U	0.056 U
Chromium	7440-47-3	9.790	9.890	11.2	14.0	25.6	7.470	10.5
Copper	7440-50-8	19.2	13.9	14.5	16.7	44.5	11.1	15.7
Lead	7439-92-1	58.0	7.500	9.440	8.360	20.8	4.860	5.810
Nickel	7440-02-0	10.2	12.3	12.9	14.6	7.000	14.3	13.6
Selenium	7782-49-2	1.300	1.200 J	1.080 J	1.700	1.620	0.848 J	1.070 J
Silver	7440-22-4	0.133 U	0.139 U	0.137 U	0.141 U	0.123 U	0.125 U	0.127 U
Thallium	7440-28-0	0.419 U	0.436 U	0.431 U	0.442 U	0.387 U	0.393 U	0.399 U
Zinc	7440-66-6	39.1	27.7	31.4	36.9	98.9	25.3	33.6
Mercury		0.018	0.019	0.039	1.2	3.7	0.016	0.026

Cyanide								0.605 U

PCBs								
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	6.5 U	6.8 U	6.7 U	6.9 U	6.1 U	6.2 U	6.2 U
Aroclor-1221	11104-28-2	4.5 U	4.7 U	4.5 U	4.7 U	4.2 U	4.2 U	4.2 U
Aroclor-1232	11141-16-5	3.0 U	3.2 U	3.1 U	3.2 U	2.8 U	2.8 U	2.9 U
Aroclor-1242	53469-21-9	3.9 U	4.0 U	4.0 U	4.1 U	3.6 U	3.6 U	3.7 U
Aroclor-1248	12672-29-6	4.6 U	4.8 U	4.7 U	4.8 U	4.3 U	4.3 U	4.3 U
Aroclor-1254	11097-69-1	1.7 U	1.8 U	1.7 U	1.8 U	1.6 U	1.6 U	120 P
Aroclor-1260	11096-82-5	3.7 U	3.9 U	3.8 U	3.9 U	3.5 U	3.5 U	3.5 U

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		SB-3(9.5-10)DUP	SB-3(16-16.5)	SB-4(10-10.5)	SB-4(14.5-15)	SB-5(9-9.5)	SB-5(17-17.5)	SB-6(11.5-12)
Lab Sample Number		T1346-09	T1346-10	T1346-11	T1346-14	T1346-18	T1346-19	T1346-20
Sampling Date		01/24/05	01/24/05	01/25/05	01/25/05	01/27/05	01/27/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
COMPOUND	CAS #							
Antimony	7440-36-0	0.680 U	0.731 U	0.692 U	0.690 U	0.687 U	0.689 U	0.750 U
Arsenic	7440-38-2	5.770	2.030	0.291 U	0.496 J	1.560	1.190 J	2.040
Beryllium	7440-41-7	0.273 J	0.256 J	0.220 J	0.342 J	0.331 J	0.288 J	0.270 J
Cadmium	7440-43-9	0.056 U	0.060 U	0.057 U	0.056 U	0.056 U	0.056 U	0.061 U
Chromium	7440-47-3	10.6	9.460	10.7	11.2	11.7	10.7	11.5
Copper	7440-50-8	23.4	14.0	8.640	15.4	21.8	12.7	10.3
Lead	7439-92-1	59.1	13.0	6.390	7.210	6.650	8.260	8.600
Nickel	7440-02-0	12.9	10.9	11.2	13.8	16.0	15.5	9.950
Selenium	7782-49-2	1.360	0.944 J	1.330	1.310	1.290	0.984 J	1.070 J
Silver	7440-22-4	0.127 U	0.136 U	0.151 J	0.129 U	0.128 U	0.129 U	0.140 U
Thallium	7440-28-0	0.399 U	0.429 U	0.405 U	0.404 U	0.403 U	0.404 U	0.439 U
Zinc	7440-66-6	78.0	35.2	26.7	31.5	66.7	29.9	26.0
Mercury		0.042	0.026	0.031	0.016	0.018	0.042	0.018

Cyanide		0.604 U	0.649 U	0.614 U	0.613 U	0.611 U	0.612 U	0.666 U

PCBs								
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	6.2 U	6.7 U	6.4 U	6.3 U	6.2 U	6.3 U	6.8 U
Aroclor-1221	11104-28-2	4.2 U	4.6 U	4.3 U	4.3 U	4.3 U	4.3 U	4.7 U
Aroclor-1232	11141-16-5	2.9 U	3.1 U	2.9 U	2.9 U	2.9 U	2.9 U	3.2 U
Aroclor-1242	53469-21-9	3.7 U	4.0 U	3.8 U	3.7 U	3.7 U	3.7 U	4.1 U
Aroclor-1248	12672-29-6	4.3 U	4.7 U	4.5 U	4.4 U	4.4 U	4.4 U	4.8 U
Aroclor-1254	11097-69-1	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U
Aroclor-1260	11096-82-5	3.5 U	3.8 U	3.6 U	3.6 U	3.5 U	3.5 U	3.9 U

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		SB-6(22.5-23)	SB-7(6.5-7)	SB-7(20-20.5)	SB-8-(7.5-8)	SB-8-(12.5-13)	SB-8-(18.5-19)	SB-9-(18-18.5)
Lab Sample Number		T1346-21	T1346-06	T1346-07	T1380-13	T1380-14	T1380-15	T1380-05
Sampling Date		01/27/05	01/24/05	01/24/05	01/31/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
COMPOUND	CAS #							
Antimony	7440-36-0	0.706 U	0.664 U	0.669 U	0.70 U	0.69 U	0.69 U	0.67 U
Arsenic	7440-38-2	0.550 J	7.800	0.281 U	1.3	0.47 J	1.4	1.7
Beryllium	7440-41-7	0.261 J	0.341 J	0.298 J	0.25 J	0.26 J	0.25 J	0.21 J
Cadmium	7440-43-9	0.058 U	0.054 U	0.055 U	1.7	1.3	1.6	0.77
Chromium	7440-47-3	11.4	10.0	12.1	9.2	10.8	12.8	10.3
Copper	7440-50-8	11.9	34.6	9.100	16.5	9.1	17.4	11.0
Lead	7439-92-1	5.090	123	6.060	5.9	7.3	7.1	5.6
Nickel	7440-02-0	11.5	11.6	12.0	12.5	11.3	11.6	11.4
Selenium	7782-49-2	0.762 J	1.290	0.866 J	0.56 J	1.1 J	5.0	0.48 J
Silver	7440-22-4	0.177 J	0.124 U	0.962 J	0.13 U	0.13 U	0.13 U	0.12 U
Thallium	7440-28-0	0.414 U	0.389 U	0.392 U	0.41 U	0.41 U	0.40 U	0.39 U
Zinc	7440-66-6	25.8	65.5	32.2	34.1	25.7	28.6	28.1
Mercury		0.017	0.093	0.025	0.008 J	0.007 U	0.053	0.007 U

Cyanide		0.627 U	0.602 U	0.594 U			0.609 U	

PCBs								
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	6.4 U	6.2 U	6.1 U	6.4 U	6.3 U	6.3 U	6.1 U
Aroclor-1221	11104-28-2	4.4 U	4.3 U	4.2 U	4.4 U	4.3 U	4.3 U	4.2 U
Aroclor-1232	11141-16-5	3.0 U	2.9 U	2.8 U	3.0 U	2.9 U	2.9 U	2.8 U
Aroclor-1242	53469-21-9	3.8 U	3.7 U	3.6 U	3.8 U	3.8 U	3.7 U	3.6 U
Aroclor-1248	12672-29-6	4.5 U	4.4 U	4.3 U	4.5 U	4.4 U	4.4 U	4.3 U
Aroclor-1254	11097-69-1	1.7 U	1.6 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U
Aroclor-1260	11096-82-5	3.6 U	3.5 U	3.5 U	3.6 U	3.6 U	3.6 U	3.5 U

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		SB-9-(14.5-15)	SB-9-(20.5-21)	SB-10(7.5-8)	SB-10(7.5-8)DUP	SB-10(22-22.5)	SB-11-(9.5-10)	SB-11-(18.5-19)
Lab Sample Number		T1380-06	T1380-07	T1346-22	T1346-23	T1346-24	T1380-10	T1380-11
Sampling Date		01/31/05	01/31/05	01/27/05	01/27/05	01/27/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
COMPOUND	CAS #							
Antimony	7440-36-0	0.70 U	0.70 U	0.676 U	0.673 U	0.659 U	0.75 U	0.71 U
Arsenic	7440-38-2	1.6	0.98 J	3.730	1.950	0.278 U	184	10.1
Beryllium	7440-41-7	0.22 J	0.19 J	0.364 J	0.374 J	0.231 J	0.21 J	0.33 J
Cadmium	7440-43-9	1.1	0.76	0.055 U	0.055 U	0.054 U	7.1	2.2
Chromium	7440-47-3	13.7	13.6	9.920	11.9	8.600	9.3	18.5
Copper	7440-50-8	12.4	12.0	15.2	12.9	7.160	854	25.0
Lead	7439-92-1	6.8	28.3	28.5	10.5	5.050	434	29.6
Nickel	7440-02-0	12.5	10.1	11.7	12.6	8.180	18.2	14.7
Selenium	7782-49-2	0.87 J	0.58 J	0.794 J	0.517 J	0.775 J	1.3 J	1.4
Silver	7440-22-4	0.13 U	0.13 U	0.365 J	0.523 J	0.176 J	0.14 U	0.13 U
Thallium	7440-28-0	0.41 U	0.41 U	0.396 U	0.394 U	0.386 U	0.44 U	0.42 U
Zinc	7440-66-6	28.0	31.0	40.7	40.3	26.3	1360	63.9
Mercury		0.021	0.033	0.046	0.032	0.019	0.310	0.046

Cyanide								

PCBs								
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	6.3 U	6.3 U	6.2 U	6.1 U	6.0 U	7.0 U	6.5 U
Aroclor-1221	11104-28-2	4.3 U	4.3 U	4.2 U	4.2 U	4.1 U	4.8 U	4.4 U
Aroclor-1232	11141-16-5	2.9 U	2.9 U	2.9 U	2.8 U	2.8 U	3.3 U	3.0 U
Aroclor-1242	53469-21-9	3.8 U	3.7 U	3.7 U	3.6 U	3.6 U	4.2 U	3.9 U
Aroclor-1248	12672-29-6	4.4 U	4.4 U	4.4 U	4.3 U	4.2 U	4.9 U	4.6 U
Aroclor-1254	11097-69-1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.8 U	1.7 U
Aroclor-1260	11096-82-5	3.6 U	3.6 U	3.5 U	3.4 U	3.4 U	49 P	3.7 U

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		SB-11-(18.5-19)DUP	SB-12-(4.5-5)	SB-12-(22-22.5)	SB-14(6.5-7)	SB-14(19.5-20.0)	FB-2	FIELDBLANK
Lab Sample Number		T1380-12	T1380-03	T1380-04	T1346-01	T1346-02	T1380-17	T1346-25
Sampling Date		01/31/05	01/28/05	01/28/05	01/24/05	01/24/05	01/31/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/L	ug/L
COMPOUND	CAS #							
Antimony	7440-36-0	0.72 U	0.75 U	0.72 U	0.685 U	0.701 U	6.6 U	6.600 U
Arsenic	7440-38-2	3.9	0.32 U	0.38 J	7.420	1.270	4.8 U	4.840 U
Beryllium	7440-41-7	0.27 J	0.25 J	0.25 J	0.178 J	0.316 J	1.1 U	1.060 U
Cadmium	7440-43-9	1.9	0.76	1.0	0.056 U	0.057 U	0.99 U	0.994 U
Chromium	7440-47-3	15.3	11.1	10.8	7.680	13.6	1.2 U	1.220 U
Copper	7440-50-8	33.7	16.8	16.5	19.1	13.7	0.74 U	0.739 U
Lead	7439-92-1	48.1	4.2	7.0	27.9	7.930	1.9 J	1.790 U
Nickel	7440-02-0	16.3	13.0	15.7	8.350	12.3	5.5 U	5.550 U
Selenium	7782-49-2	0.84 J	0.42 U	0.61 J	0.936 J	0.805 J	5.2 U	5.240 U
Silver	7440-22-4	0.13 U	0.14 U	0.13 U	0.128 U	0.131 U	3.4 U	3.380 U
Thallium	7440-28-0	0.52 J	0.44 U	0.42 U	0.401 U	0.411 U	5.8 U	5.780 U
Zinc	7440-66-6	64.2	31.5	37.3	32.1	30.3	8.1 U	8.110 U
Mercury		0.285	0.012 J	0.007 U	0.203	0.044	0.0500 J	0.1000 J

Cyanide							0.010 U	0.01 U

PCBs								
COMPOUND	CAS #							
Aroclor-1016	12674-11-2	6.7 U	6.9 U	6.6 U	6.3 U	6.4 U	0.130 U	0.130 U
Aroclor-1221	11104-28-2	4.5 U	4.7 U	4.5 U	4.3 U	4.4 U	0.050 U	0.050 U
Aroclor-1232	11141-16-5	3.1 U	3.2 U	3.1 U	2.9 U	3.0 U	0.050 U	0.050 U
Aroclor-1242	53469-21-9	3.9 U	4.1 U	3.9 U	3.7 U	3.8 U	0.140 U	0.140 U
Aroclor-1248	12672-29-6	4.7 U	4.8 U	4.6 U	4.4 U	4.5 U	0.060 U	0.060 U
Aroclor-1254	11097-69-1	1.7 U	1.8 U	1.7 U	1.6 U	1.7 U	0.030 U	0.030 U
Aroclor-1260	11096-82-5	3.8 U	3.9 U	3.7 U	3.5 U	3.6 U	0.0630 U	0.0620 U

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Sample ID		SB-1(9.5-10)	SB-1(16.5-17)	SB-1(25-25.5)	SB-2(13.5-14)	SB-2(9.5-10)
Lab Sample Number		T1346-15	T1346-16	T1346-17	T1346-03	T1346-04
Sampling Date		01/25/05	01/25/05	01/25/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	1.3 U	1.3 U	4.2	1.4 U	1.2 U
4,4-DDE	72-55-9	1.6 U	1.7 U	1.6 U	1.7 U	1.5 U
4,4-DDT	50-29-3	2.3 U	2.4 U	2.4 U	2.4 U	2.2 U
Aldrin	309-00-2	1.3 U	1.4 U	1.4 U	1.4 U	1.2 U
alpha-BHC	319-84-6	1.4 U	1.5 U	1.4 U	1.5 U	1.3 U
alpha-Chlordane	5103-71-9	1.9 U	1.9 U	1.9 U	2.0 U	1.7 U
beta-BHC	319-85-7	1.4 U	1.5 U	1.5 U	1.5 U	1.3 U
delta-BHC	319-86-8	1.1 U	1.2 U	1.1 U	1.2 U	1.0 U
Dieldrin	60-57-1	1.3 U	1.3 U	1.3 U	1.3 U	1.2 U
Endosulfan I	959-98-8	1.9 U	1.9 U	1.9 U	1.9 U	1.7 U
Endosulfan II	33213-65-9	1.7 U	1.7 U	1.7 U	1.8 U	1.6 U
Endosulfan Sulfate	1031-07-8	1.9 U	1.9 U	1.9 U	2.0 U	1.7 U
Endrin	72-20-8	2.3 U	2.4 U	2.4 U	2.4 U	2.2 U
Endrin aldehyde	7421-93-4	1.9 U	2.0 U	2.0 U	2.0 U	1.8 U
Endrin ketone	53494-70-5	1.6 U	1.7 U	1.7 U	1.7 U	1.5 U
gamma-BHC	58-89-9	1.5 U	1.6 U	1.6 U	1.6 U	1.4 U
gamma-Chlordane	5103-74-2	1.9 U	1.9 U	1.9 U	2.0 U	1.8 U
Heptachlor	76-44-8	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U
Heptachlor epoxide	1024-57-3	1.6 U	1.7 U	1.6 U	1.7 U	1.5 U
Methoxychlor	72-43-5	1.6 U	1.6 U	1.6 U	1.7 U	1.5 U
Toxaphene	8001-35-2	3.8 U	3.9 U	3.9 U	4.0 U	3.5 U

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Sample ID		SB-2(32.5-33)	SB-3(9.5-10)	SB-3(9.5-10)DL	SB-3(9.5-10)DUP	SB-3(16-16.5)
Lab Sample Number		T1346-05	T1346-08	T1346-08DL	T1346-09	T1346-10
Sampling Date		01/24/05	01/24/05	01/24/05	01/24/05	01/24/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	5.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	6.0 P	1.2 U	6.1 UD	1.2 U	1.3 U
4,4-DDE	72-55-9	1.5 U	1.5 U	7.7 UD	1.5 U	1.6 U
4,4-DDT	50-29-3	2.2 U	2.2 U	11 UD	2.2 U	2.4 U
Aldrin	309-00-2	11 P	1.3 U	6.3 UD	1.3 U	1.4 U
alpha-BHC	319-84-6	1.3 U	1.3 U	6.7 UD	1.3 U	1.4 U
alpha-Chlordane	5103-71-9	1.7 U	1.8 U	8.9 UD	1.8 U	1.9 U
beta-BHC	319-85-7	1.3 U	130 EP	150 DP	1.4 U	1.5 U
delta-BHC	319-86-8	1.0 U	14 P	5.3 UD	1.1 U	1.1 U
Dieldrin	60-57-1	1.2 U	1.2 U	6.1 UD	1.2 U	1.3 U
Endosulfan I	959-98-8	1.7 U	1.8 U	8.8 UD	1.8 U	1.9 U
Endosulfan II	33213-65-9	1.6 U	1.6 U	7.9 UD	1.6 U	1.7 U
Endosulfan Sulfate	1031-07-8	1.7 U	1.8 U	8.9 UD	1.8 U	1.9 U
Endrin	72-20-8	2.2 U	2.2 U	11 UD	2.2 U	2.3 U
Endrin aldehyde	7421-93-4	1.8 U	1.8 U	9.1 UD	1.8 U	2.0 U
Endrin ketone	53494-70-5	1.5 U	1.6 U	7.8 UD	1.6 U	1.7 U
gamma-BHC	58-89-9	1.4 U	1.5 U	7.3 UD	1.5 U	1.6 U
gamma-Chlordane	5103-74-2	1.7 U	1.8 U	8.9 UD	1.8 U	1.9 U
Heptachlor	76-44-8	1.5 U	1.6 U	7.9 UD	1.6 U	1.7 U
Heptachlor epoxide	1024-57-3	1.5 U	1.5 U	7.6 UD	1.5 U	1.6 U
Methoxychlor	72-43-5	1.5 U	1.5 U	7.5 UD	1.5 U	1.6 U
Toxaphene	8001-35-2	3.5 U	3.6 U	18 UD	3.6 U	3.8 U

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Sample ID		SB-4(10-10.5)	SB-4(14.5-15)	SB-5(9-9.5)	SB-5(17-17.5)	SB-6(11.5-12)
Lab Sample Number		T1346-11	T1346-14	T1346-18	T1346-19	T1346-20
Sampling Date		01/25/05	01/25/05	01/27/05	01/27/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U
4,4-DDE	72-55-9	1.6 U	1.6 U	1.5 U	1.5 U	1.7 U
4,4-DDT	50-29-3	2.2 U	2.2 U	2.2 U	2.2 U	2.4 U
Aldrin	309-00-2	1.3 U	1.3 U	1.3 U	1.3 U	1.4 U
alpha-BHC	319-84-6	1.4 U	1.4 U	1.3 U	1.3 U	1.5 U
alpha-Chlordane	5103-71-9	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
beta-BHC	319-85-7	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
delta-BHC	319-86-8	1.1 U	1.1 U	1.1 U	1.1 U	1.2 U
Dieldrin	60-57-1	1.2 U	1.2 U	1.2 U	1.2 U	1.3 U
Endosulfan I	959-98-8	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Endosulfan II	33213-65-9	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U
Endosulfan Sulfate	1031-07-8	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Endrin	72-20-8	2.2 U	2.2 U	2.2 U	2.2 U	2.4 U
Endrin aldehyde	7421-93-4	1.9 U	1.8 U	1.8 U	1.8 U	2.0 U
Endrin ketone	53494-70-5	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U
gamma-BHC	58-89-9	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
gamma-Chlordane	5103-74-2	1.8 U	1.8 U	1.8 U	1.8 U	1.9 U
Heptachlor	76-44-8	1.6 U	1.6 U	1.6 U	1.6 U	1.7 U
Heptachlor epoxide	1024-57-3	1.5 U	1.5 U	1.5 U	1.5 U	1.7 U
Methoxychlor	72-43-5	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
Toxaphene	8001-35-2	3.6 U	3.6 U	3.6 U	3.6 U	3.9 U

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Sample ID		SB-6(22.5-23)	SB-7(6.5-7)	SB-7(20-20.5)	SB-8-(7.5-8)	SB-8-(12.5-13)
Lab Sample Number		T1346-21	T1346-06	T1346-07	T1380-13	T1380-14
Sampling Date		01/27/05	01/24/05	01/24/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	1.3 U	1.2 U	1.2 U	1.3 U	1.3 U
4,4-DDE	72-55-9	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U
4,4-DDT	50-29-3	2.3 U	2.2 U	2.2 U	2.3 U	2.3 U
Aldrin	309-00-2	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U
alpha-BHC	319-84-6	1.4 U	1.3 U	1.3 U	1.4 U	1.4 U
alpha-Chlordane	5103-71-9	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
beta-BHC	319-85-7	1.4 U	1.4 U	1.3 U	1.4 U	1.4 U
delta-BHC	319-86-8	1.1 U	1.1 U	1.0 U	1.1 U	1.1 U
Dieldrin	60-57-1	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U
Endosulfan I	959-98-8	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
Endosulfan II	33213-65-9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Endosulfan Sulfate	1031-07-8	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
Endrin	72-20-8	2.3 U	2.2 U	2.2 U	2.2 U	2.2 U
Endrin aldehyde	7421-93-4	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U
Endrin ketone	53494-70-5	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
gamma-BHC	58-89-9	1.5 U	1.5 U	1.4 U	1.5 U	1.5 U
gamma-Chlordane	5103-74-2	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U
Heptachlor	76-44-8	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U
Heptachlor epoxide	1024-57-3	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U
Methoxychlor	72-43-5	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U
Toxaphene	8001-35-2	3.7 U	3.6 U	3.5 U	3.7 U	3.7 U

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Sample ID		SB-8-(18.5-19)	SB-9-(18-18.5)	SB-9-(14.5-15)	SB-9-(20.5-21)	SB-10(7.5-8)
Lab Sample Number		T1380-15	T1380-05	T1380-06	T1380-07	T1346-22
Sampling Date		01/31/05	01/31/05	01/31/05	01/31/05	01/27/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U
4,4-DDE	72-55-9	1.5 U	1.5 U	1.6 U	1.6 U	1.5 U
4,4-DDT	50-29-3	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U
Aldrin	309-00-2	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U
alpha-BHC	319-84-6	1.3 U	1.3 U	1.4 U	1.4 U	1.3 U
alpha-Chlordane	5103-71-9	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U
beta-BHC	319-85-7	1.4 U	12 P	1.4 U	1.4 U	1.4 U
delta-BHC	319-86-8	1.1 U	9.2 P	1.1 U	1.1 U	1.1 U
Dieldrin	60-57-1	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Endosulfan I	959-98-8	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U
Endosulfan II	33213-65-9	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Endosulfan Sulfate	1031-07-8	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U
Endrin	72-20-8	2.2 U	2.2 U	2.2 U	2.3 U	2.2 U
Endrin aldehyde	7421-93-4	1.8 U	1.8 U	1.9 U	1.9 U	1.8 U
Endrin ketone	53494-70-5	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U
gamma-BHC	58-89-9	1.5 U	1.4 U	1.5 U	1.5 U	1.4 U
gamma-Chlordane	5103-74-2	1.8 U	1.7 U	1.8 U	1.8 U	1.8 U
Heptachlor	76-44-8	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U
Heptachlor epoxide	1024-57-3	1.5 U	1.5 U	1.5 U	1.6 U	1.5 U
Methoxychlor	72-43-5	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Toxaphene	8001-35-2	3.6 U	3.5 U	3.6 U	3.7 U	3.6 U

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Sample ID		SB-10(7.5-8)DUP	SB-10(22-22.5)	SB-11-(9.5-10)	SB-11-(18.5-19)	SB-11-(18.5-19)DUP
Lab Sample Number		T1346-23	T1346-24	T1380-10	T1380-11	T1380-12
Sampling Date		01/27/05	01/27/05	01/31/05	01/31/05	01/31/05
Matrix		SOIL	SOIL	SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #					
4,4-DDD	72-54-8	1.2 U	1.2 U	1.4 U	1.3 U	1.3 U
4,4-DDE	72-55-9	1.5 U	1.5 U	1.8 U	1.6 U	1.6 U
4,4-DDT	50-29-3	2.2 U	2.2 U	2.5 U	2.3 U	2.4 U
Aldrin	309-00-2	1.2 U	1.2 U	1.4 U	1.3 U	1.3 U
alpha-BHC	319-84-6	1.3 U	1.3 U	1.5 U	1.4 U	1.4 U
alpha-Chlordane	5103-71-9	1.7 U	1.7 U	2.0 U	1.8 U	1.9 U
beta-BHC	319-85-7	1.3 U	1.3 U	5.0 P	1.4 U	1.5 U
delta-BHC	319-86-8	1.0 U	1.0 U	3.6 J	1.1 U	1.1 U
Dieldrin	60-57-1	1.2 U	1.2 U	1.4 U	1.3 U	1.3 U
Endosulfan I	959-98-8	1.7 U	1.7 U	2.0 U	1.8 U	1.9 U
Endosulfan II	33213-65-9	1.6 U	1.6 U	1.8 U	1.6 U	1.7 U
Endosulfan Sulfate	1031-07-8	1.7 U	1.7 U	2.0 U	1.8 U	1.9 U
Endrin	72-20-8	2.2 U	2.1 U	2.5 U	2.3 U	2.3 U
Endrin aldehyde	7421-93-4	1.8 U	1.8 U	2.1 U	1.9 U	1.9 U
Endrin ketone	53494-70-5	1.5 U	1.5 U	1.8 U	1.6 U	1.7 U
gamma-BHC	58-89-9	1.4 U	1.4 U	1.7 U	1.5 U	1.5 U
gamma-Chlordane	5103-74-2	1.8 U	1.7 U	2.0 U	1.8 U	1.9 U
Heptachlor	76-44-8	1.6 U	1.5 U	1.8 U	1.6 U	1.7 U
Heptachlor epoxide	1024-57-3	1.5 U	1.5 U	1.7 U	1.6 U	1.6 U
Methoxychlor	72-43-5	1.5 U	1.5 U	1.7 U	1.6 U	1.6 U
Toxaphene	8001-35-2	3.5 U	3.5 U	4.1 U	3.7 U	3.8 U

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Sample ID		SB-12-(4.5-5)	SB-12-(22-22.5)	SB-14(6.5-7)
Lab Sample Number		T1380-03	T1380-04	T1346-01
Sampling Date		01/28/05	01/28/05	01/24/05
Matrix		SOIL	SOIL	SOIL
Dilution Factor		1.0	1.0	1.0
Units		ug/Kg	ug/Kg	ug/Kg
COMPOUND	CAS #			
4,4-DDD	72-54-8	1.4 U	1.3 U	1.2 U
4,4-DDE	72-55-9	1.7 U	1.6 U	1.6 U
4,4-DDT	50-29-3	2.4 U	2.3 U	2.2 U
Aldrin	309-00-2	1.4 U	1.3 U	1.3 U
alpha-BHC	319-84-6	1.5 U	1.4 U	1.4 U
alpha-Chlordane	5103-71-9	2.0 U	1.9 U	1.8 U
beta-BHC	319-85-7	1.5 U	1.4 U	1.4 U
delta-BHC	319-86-8	1.2 U	1.1 U	1.1 U
Dieldrin	60-57-1	1.3 U	1.3 U	1.2 U
Endosulfan I	959-98-8	1.9 U	1.9 U	1.8 U
Endosulfan II	33213-65-9	1.8 U	1.7 U	1.6 U
Endosulfan Sulfate	1031-07-8	2.0 U	1.9 U	1.8 U
Endrin	72-20-8	2.4 U	2.3 U	2.2 U
Endrin aldehyde	7421-93-4	2.0 U	1.9 U	1.8 U
Endrin ketone	53494-70-5	1.7 U	1.7 U	1.6 U
gamma-BHC	58-89-9	1.6 U	1.5 U	1.5 U
gamma-Chlordane	5103-74-2	2.0 U	1.9 U	1.8 U
Heptachlor	76-44-8	1.7 U	1.7 U	1.6 U
Heptachlor epoxide	1024-57-3	1.7 U	1.6 U	1.5 U
Methoxychlor	72-43-5	1.7 U	1.6 U	1.5 U
Toxaphene	8001-35-2	4.0 U	3.8 U	3.6 U

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Pesticides

Sample ID		SB-14(19.5-20.0)	FB-2	FIELDBLANK
Lab Sample Number		T1346-02	T1380-17	T1346-25
Sampling Date		01/24/05	01/31/05	01/27/05
Matrix		SOIL	WATER	WATER
Dilution Factor		1.0	1.0	1.0
Units		ug/Kg	ug/L	ug/L
COMPOUND	CAS #			
4,4-DDD	72-54-8	1.3 U	0.03 U	0.03 U
4,4-DDE	72-55-9	1.6 U	0.05 U	0.05 U
4,4-DDT	50-29-3	2.3 U	0.06 U	0.06 U
Aldrin	309-00-2	1.3 U	0.03 U	0.03 U
alpha-BHC	319-84-6	1.4 U	0.03 U	0.03 U
alpha-Chlordane	5103-71-9	1.8 U	0.04 U	0.04 U
beta-BHC	319-85-7	1.4 U	0.11 U	0.11 U
delta-BHC	319-86-8	1.1 U	0.02 U	0.02 U
Dieldrin	60-57-1	1.2 U	0.05 U	0.05 U
Endosulfan I	959-98-8	1.8 U	0.04 U	0.04 U
Endosulfan II	33213-65-9	1.6 U	0.02 U	0.02 U
Endosulfan Sulfate	1031-07-8	1.8 U	0.04 U	0.04 U
Endrin	72-20-8	2.3 U	0.05 U	0.05 U
Endrin aldehyde	7421-93-4	1.9 U	0.04 U	0.04 U
Endrin ketone	53494-70-5	1.6 U	0.03 U	0.03 U
gamma-BHC	58-89-9	1.5 U	0.03 U	0.03 U
gamma-Chlordane	5103-74-2	1.8 U	0.04 U	0.04 U
Heptachlor	76-44-8	1.6 U	0.05 U	0.05 U
Heptachlor epoxide	1024-57-3	1.6 U	0.03 U	0.03 U
Methoxychlor	72-43-5	1.6 U	0.05 U	0.05 U
Toxaphene	8001-35-2	3.7 U	0.12 U	0.12 U

Qualifiers

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

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

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

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

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

NR - Not analyzed

APPENDIX I
ANALYTICAL RESULTS – GROUNDWATER SAMPLES

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-1-S	A-1-SDL	A-2-D	A-2-DDL
Lab Sample Number		T1778-08	T1778-08DL	T1778-06	T1778-06DL
Sampling Date		03/03/05	03/03/05	03/03/05	03/03/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		1.0	10.0	1.0	10.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.41 U	4.1 UD	0.41 U	4.1 UD
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	5.0 UD	0.50 U	5.0 UD
1,1,2-Trichloroethane	79-00-5	0.52 U	5.2 UD	0.52 U	5.2 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	0.69 U	6.9 UD	0.69 U	6.9 UD
1,1-Dichloroethane	75-34-3	0.22 U	2.2 UD	0.22 U	2.2 UD
1,1-Dichloroethene	75-35-4	0.32 U	3.2 UD	0.32 U	3.2 UD
1,2,4-Trichlorobenzene	120-82-1	0.29 U	2.9 UD	0.29 U	2.9 UD
1,2-Dibromo-3-Chloropropane	96-12-8	0.94 U	9.4 UD	0.94 U	9.4 UD
1,2-Dibromoethane	106-93-4	0.63 U	6.3 UD	0.63 U	6.3 UD
1,2-Dichlorobenzene	95-50-1	0.37 U	3.7 UD	0.37 U	3.7 UD
1,2-Dichloroethane	107-06-2	0.32 U	3.2 UD	0.32 U	3.2 UD
1,2-Dichloropropane	78-87-5	0.63 U	6.3 UD	0.63 U	6.3 UD
1,3-Dichlorobenzene	541-73-1	0.37 U	3.7 UD	0.37 U	3.7 UD
1,4-Dichlorobenzene	106-46-7	0.39 U	3.9 UD	0.39 U	3.9 UD
2-Butanone	78-93-3	2.8 U	28 UD	2.8 U	28 UD
2-Hexanone	591-78-6	0.66 U	6.6 UD	0.66 U	6.6 UD
4-Methyl-2-Pentanone	108-10-1	1.3 U	13 UD	1.3 U	13 UD
Acetone	67-64-1	3.3 U	33 UD	3.3 U	33 UD
Benzene	71-43-2	210 E	140 D	600 E	560 D
Bromodichloromethane	75-27-4	0.35 U	3.5 UD	0.35 U	3.5 UD
Bromoform	75-25-2	0.25 U	2.5 UD	0.25 U	2.5 UD
Bromomethane	74-83-9	0.78 U	7.8 UD	0.78 U	7.8 UD
Carbon Disulfide	75-15-0	0.39 U	3.9 UD	0.39 U	3.9 UD
Carbon Tetrachloride	56-23-5	0.47 U	4.7 UD	0.47 U	4.7 UD
Chlorobenzene	108-90-7	0.37 U	3.7 UD	0.37 U	3.7 UD
Chloroethane	75-00-3	0.88 U	8.8 UD	0.88 U	8.8 UD
Chloroform	67-66-3	0.58 U	5.8 UD	0.58 U	5.8 UD
Chloromethane	74-87-3	0.68 U	6.8 UD	0.68 U	6.8 UD
cis-1,2-Dichloroethene	156-59-2	0.77 U	7.7 UD	0.77 U	7.7 UD
cis-1,3-Dichloropropene	10061-01-5	0.15 U	1.5 UD	0.15 U	1.5 UD
Cyclohexane	110-82-7	0.37 U	3.7 UD	22	10 JD
Dibromochloromethane	124-48-1	0.38 U	3.8 UD	0.38 U	3.8 UD
Dichlorodifluoromethane	75-71-8	0.33 U	3.3 UD	0.33 U	3.3 UD
Ethyl Benzene	100-41-4	130	92 D	200	140 D
Isopropylbenzene	98-82-8	6.9	3.3 UD	7.5	3.3 UD
m/p-Xylenes	136777-61-2	160	110 D	80	63 D
Methyl Acetate	79-20-9	0.83 U	8.3 UD	0.83 U	8.3 UD
Methyl tert-butyl Ether	1634-04-4	0.36 U	3.6 UD	0.36 U	3.6 UD
Methylcyclohexane	108-87-2	1.2 J	5.8 UD	15	5.8 UD
Methylene Chloride	75-09-2	0.62 U	6.2 UD	0.62 U	6.2 UD
o-Xylene	95-47-6	94	66 D	25	20 JD
Styrene	100-42-5	0.34 U	3.4 UD	0.34 U	3.4 UD
t-1,3-Dichloropropene	10061-02-6	0.42 U	4.2 UD	0.42 U	4.2 UD
Tetrachloroethene	127-18-4	0.33 U	3.3 UD	0.33 U	3.3 UD
Toluene	108-88-3	27	20 JD	27	18 JD
trans-1,2-Dichloroethene	156-60-5	0.51 U	5.1 UD	0.51 U	5.1 UD
Trichloroethene	79-01-6	0.67 U	6.7 UD	0.67 U	6.7 UD
Trichlorofluoromethane	75-69-4	0.58 U	5.8 UD	0.58 U	5.8 UD
Vinyl Chloride	75-01-4	0.27 U	2.7 UD	0.27 U	2.7 UD
Total Confident Conc. VOC		629.1	428	976.5	811
Total TICs		772	1715	633	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-2-S	A-3	A-3DL2	A-4-D
Lab Sample Number		T1778-07	T1753-01	T1753-01DL2	T1778-01
Sampling Date		03/03/05	03/01/05	03/01/05	03/03/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	100.0	1.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.41 U	0.41 U	41 UD	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	0.50 U	50 UD	0.50 U
1,1,2-Trichloroethane	79-00-5	0.52 U	0.52 U	52 UD	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.69 U	0.69 U	69 UD	0.69 U
1,1-Dichloroethane	75-34-3	0.22 U	0.22 U	22 UD	0.22 U
1,1-Dichloroethene	75-35-4	0.32 U	0.32 U	32 UD	0.32 U
1,2,4-Trichlorobenzene	120-82-1	0.29 U	0.29 U	29 UD	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.94 U	0.94 U	94 UD	0.94 U
1,2-Dibromoethane	106-93-4	0.63 U	0.63 U	63 UD	0.63 U
1,2-Dichlorobenzene	95-50-1	0.37 U	0.37 U	37 UD	0.37 U
1,2-Dichloroethane	107-06-2	0.32 U	0.32 U	32 UD	0.32 U
1,2-Dichloropropane	78-87-5	0.63 U	0.63 U	63 UD	0.63 U
1,3-Dichlorobenzene	541-73-1	0.37 U	0.37 U	37 UD	0.37 U
1,4-Dichlorobenzene	106-46-7	0.39 U	0.39 U	39 UD	0.39 U
2-Butanone	78-93-3	2.8 U	2.8 U	280 UD	2.8 U
2-Hexanone	591-78-6	0.66 U	0.66 U	66 UD	0.66 U
4-Methyl-2-Pentanone	108-10-1	1.3 U	1.3 U	130 UD	1.3 U
Acetone	67-64-1	3.3 U	3.3 U	330 UD	3.3 U
Benzene	71-43-2	36	970 E	1200 D	1200 E
Bromodichloromethane	75-27-4	0.35 U	0.35 U	35 UD	0.35 U
Bromoform	75-25-2	0.25 U	0.25 U	25 UD	0.25 U
Bromomethane	74-83-9	0.78 U	0.78 U	78 UD	0.78 U
Carbon Disulfide	75-15-0	0.39 U	0.39 U	39 UD	0.39 U
Carbon Tetrachloride	56-23-5	0.47 U	0.47 U	47 UD	0.47 U
Chlorobenzene	108-90-7	0.37 U	0.37 U	37 UD	0.37 U
Chloroethane	75-00-3	0.88 U	0.88 U	88 UD	0.88 U
Chloroform	67-66-3	0.58 U	0.58 U	58 UD	0.58 U
Chloromethane	74-87-3	0.68 U	0.68 U	68 UD	0.68 U
cis-1,2-Dichloroethene	156-59-2	0.77 U	0.77 U	77 UD	0.77 U
cis-1,3-Dichloropropene	10061-01-5	0.15 U	0.15 U	15 UD	0.15 U
Cyclohexane	110-82-7	0.37 U	12	37 UD	45
Dibromochloromethane	124-48-1	0.38 U	0.38 U	38 UD	0.38 U
Dichlorodifluoromethane	75-71-8	0.33 U	0.33 U	33 UD	0.33 U
Ethyl Benzene	100-41-4	3.9 J	400 E	410 JD	240 E
Isopropylbenzene	98-82-8	0.33 U	20	33 UD	27
m/p-Xylenes	136777-61-2	2.6 J	190	180 JD	150
Methyl Acetate	79-20-9	0.83 U	0.83 U	83 UD	0.83 U
Methyl tert-butyl Ether	1634-04-4	0.36 U	0.36 U	36 UD	0.60 J
Methylcyclohexane	108-87-2	0.58 U	0.58 U	58 UD	11
Methylene Chloride	75-09-2	0.62 U	0.62 U	62 UD	0.62 U
o-Xylene	95-47-6	2.4 J	44	45 JD	49
Styrene	100-42-5	0.34 U	0.77 J	34 UD	0.34 U
t-1,3-Dichloropropene	10061-02-6	0.42 U	0.42 U	42 UD	0.42 U
Tetrachloroethene	127-18-4	0.33 U	0.33 U	33 UD	0.33 U
Toluene	108-88-3	0.39 U	42	45 JD	90
trans-1,2-Dichloroethene	156-60-5	0.51 U	0.51 U	51 UD	0.51 U
Trichloroethene	79-01-6	0.67 U	0.67 U	67 UD	0.67 U
Trichlorofluoromethane	75-69-4	0.58 U	0.58 U	58 UD	0.58 U
Vinyl Chloride	75-01-4	0.27 U	0.27 U	27 UD	0.27 U
Total Confident Conc. VOC		44.9	1678.77	1880	1812.6
Total TICs		0	2053	0	692

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-4-DDL	A-4-S	A-5	A-7
Lab Sample Number		T1778-01DL	T1778-02	T1753-06	T1753-07
Sampling Date		03/03/05	03/03/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		20.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	8.2 UD	0.41 U	0.41 U	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	10 UD	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	79-00-5	10 UD	0.52 U	0.52 U	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	14 UD	0.69 U	0.69 U	0.69 U
1,1-Dichloroethane	75-34-3	4.4 UD	0.22 U	0.22 U	0.22 U
1,1-Dichloroethene	75-35-4	6.4 UD	0.32 U	0.32 U	0.32 U
1,2,4-Trichlorobenzene	120-82-1	5.8 UD	0.29 U	0.29 U	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	19 UD	0.94 U	0.94 U	0.94 U
1,2-Dibromoethane	106-93-4	13 UD	0.63 U	0.63 U	0.63 U
1,2-Dichlorobenzene	95-50-1	7.4 UD	0.37 U	0.37 U	0.37 U
1,2-Dichloroethane	107-06-2	6.4 UD	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane	78-87-5	13 UD	0.63 U	0.63 U	0.63 U
1,3-Dichlorobenzene	541-73-1	7.4 UD	0.37 U	0.37 U	0.37 U
1,4-Dichlorobenzene	106-46-7	7.8 UD	0.39 U	0.39 U	0.39 U
2-Butanone	78-93-3	57 UD	2.8 U	2.8 U	2.8 U
2-Hexanone	591-78-6	13 UD	0.66 U	0.66 U	0.66 U
4-Methyl-2-Pentanone	108-10-1	26 UD	1.3 U	1.3 U	1.3 U
Acetone	67-64-1	66 UD	3.3 U	3.3 U	3.3 U
Benzene	71-43-2	3500 D	5.1	0.24 U	0.40 J
Bromodichloromethane	75-27-4	7.0 UD	0.35 U	0.35 U	0.35 U
Bromoform	75-25-2	5.0 UD	0.25 U	0.25 U	0.25 U
Bromomethane	74-83-9	16 UD	0.78 U	0.78 U	0.78 U
Carbon Disulfide	75-15-0	7.8 UD	0.39 U	0.39 U	0.39 U
Carbon Tetrachloride	56-23-5	9.4 UD	0.47 U	0.47 U	0.47 U
Chlorobenzene	108-90-7	7.4 UD	0.37 U	0.37 U	0.37 U
Chloroethane	75-00-3	18 UD	0.88 U	0.88 U	0.88 U
Chloroform	67-66-3	12 UD	0.58 U	0.58 U	0.58 U
Chloromethane	74-87-3	14 UD	0.68 U	0.68 U	0.68 U
cis-1,2-Dichloroethene	156-59-2	15 UD	0.77 U	0.77 U	44
cis-1,3-Dichloropropene	10061-01-5	3.0 UD	0.15 U	0.15 U	0.15 U
Cyclohexane	110-82-7	18 JD	0.37 U	0.37 U	0.37 U
Dibromochloromethane	124-48-1	7.6 UD	0.38 U	0.38 U	0.38 U
Dichlorodifluoromethane	75-71-8	6.6 UD	0.33 U	0.33 U	0.33 U
Ethyl Benzene	100-41-4	140 D	0.41 U	0.41 U	0.41 U
Isopropylbenzene	98-82-8	16 JD	0.33 U	0.33 U	0.33 U
m/p-Xylenes	136777-61-2	87 JD	0.96 U	0.96 U	0.96 U
Methyl Acetate	79-20-9	17 UD	0.83 U	0.83 U	0.83 U
Methyl tert-butyl Ether	1634-04-4	7.2 UD	0.36 U	0.36 U	0.36 U
Methylcyclohexane	108-87-2	12 UD	0.58 U	0.58 U	0.58 U
Methylene Chloride	75-09-2	12 UD	0.62 U	0.62 U	0.62 U
o-Xylene	95-47-6	32 JD	0.37 U	0.37 U	0.37 U
Styrene	100-42-5	6.8 UD	0.34 U	0.34 U	0.34 U
t-1,3-Dichloropropene	10061-02-6	8.4 UD	0.42 U	0.42 U	0.42 U
Tetrachloroethene	127-18-4	6.6 UD	0.33 U	0.33 U	3.2 J
Toluene	108-88-3	54 JD	0.39 U	0.39 U	0.39 U
trans-1,2-Dichloroethene	156-60-5	10 UD	0.51 U	0.51 U	1.0 J
Trichloroethene	79-01-6	13 UD	0.67 U	0.67 U	1.7 J
Trichlorofluoromethane	75-69-4	12 UD	0.58 U	0.58 U	0.58 U
Vinyl Chloride	75-01-4	5.4 UD	0.27 U	0.27 U	40
Total Confident Conc. VOC		3847	5.1	0	90.3
Total TICs		410	0	0	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-8	A-9	A-9DL2	A-10-S
Lab Sample Number		T1753-05	T1753-09	T1753-09DL2	T1753-02
Sampling Date		03/02/05	03/02/05	03/02/05	03/01/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	100.0	1.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	0.41 U	0.41 U	41 UD	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	0.50 U	50 UD	0.50 U
1,1,2-Trichloroethane	79-00-5	0.52 U	0.52 U	52 UD	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	0.69 U	0.69 U	69 UD	0.69 U
1,1-Dichloroethane	75-34-3	0.22 U	0.22 U	22 UD	0.22 U
1,1-Dichloroethene	75-35-4	0.32 U	0.32 U	32 UD	0.32 U
1,2,4-Trichlorobenzene	120-82-1	0.29 U	0.29 U	29 UD	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	0.94 U	0.94 U	94 UD	0.94 U
1,2-Dibromoethane	106-93-4	0.63 U	0.63 U	63 UD	0.63 U
1,2-Dichlorobenzene	95-50-1	0.37 U	0.37 U	37 UD	0.37 U
1,2-Dichloroethane	107-06-2	0.32 U	0.32 U	32 UD	0.32 U
1,2-Dichloropropane	78-87-5	0.63 U	0.63 U	63 UD	0.63 U
1,3-Dichlorobenzene	541-73-1	0.37 U	0.37 U	37 UD	0.37 U
1,4-Dichlorobenzene	106-46-7	0.39 U	0.39 U	39 UD	0.39 U
2-Butanone	78-93-3	2.8 U	2.8 U	280 UD	2.8 U
2-Hexanone	591-78-6	0.66 U	0.66 U	66 UD	0.66 U
4-Methyl-2-Pentanone	108-10-1	1.3 U	1.3 U	130 UD	1.3 U
Acetone	67-64-1	3.3 U	3.3 U	330 UD	3.3 U
Benzene	71-43-2	0.24 U	290 E	330 JD	1600 E
Bromodichloromethane	75-27-4	0.35 U	0.35 U	35 UD	0.35 U
Bromoform	75-25-2	0.25 U	0.25 U	25 UD	0.25 U
Bromomethane	74-83-9	0.78 U	0.78 U	78 UD	0.78 U
Carbon Disulfide	75-15-0	0.39 U	0.39 U	39 UD	0.39 U
Carbon Tetrachloride	56-23-5	0.47 U	0.47 U	47 UD	0.47 U
Chlorobenzene	108-90-7	0.37 U	0.37 U	37 UD	0.37 U
Chloroethane	75-00-3	0.88 U	0.88 U	88 UD	0.88 U
Chloroform	67-66-3	0.58 U	0.58 U	58 UD	0.58 U
Chloromethane	74-87-3	0.68 U	0.68 U	68 UD	0.68 U
cis-1,2-Dichloroethene	156-59-2	0.77 U	0.77 U	77 UD	0.77 U
cis-1,3-Dichloropropene	10061-01-5	0.15 U	0.15 U	15 UD	0.15 U
Cyclohexane	110-82-7	0.37 U	2.8 J	37 UD	1300 E
Dibromochloromethane	124-48-1	0.38 U	0.38 U	38 UD	0.38 U
Dichlorodifluoromethane	75-71-8	0.33 U	0.33 U	33 UD	0.33 U
Ethyl Benzene	100-41-4	1.4 J	1500 E	1900 D	1900 E
Isopropylbenzene	98-82-8	0.51 J	93	95 JD	77
m/p-Xylenes	136777-61-2	7.4	1800 E	2800 D	2600 E
Methyl Acetate	79-20-9	0.83 U	0.83 U	83 UD	0.83 U
Methyl tert-butyl Ether	1634-04-4	0.36 U	0.36 U	36 UD	0.36 U
Methylcyclohexane	108-87-2	0.58 U	3.0 J	58 UD	490 E
Methylene Chloride	75-09-2	0.62 U	0.62 U	62 UD	0.62 U
o-Xylene	95-47-6	3.0 J	1000 E	1200 D	1500 E
Styrene	100-42-5	0.34 U	8.9	34 UD	21
t-1,3-Dichloropropene	10061-02-6	0.42 U	0.42 U	42 UD	0.42 U
Tetrachloroethene	127-18-4	0.40 J	0.33 U	33 UD	0.33 U
Toluene	108-88-3	0.39 U	830 E	960 D	2400 E
trans-1,2-Dichloroethene	156-60-5	0.51 U	0.51 U	51 UD	0.51 U
Trichloroethene	79-01-6	0.67 U	0.67 U	67 UD	0.67 U
Trichlorofluoromethane	75-69-4	0.58 U	0.58 U	58 UD	0.58 U
Vinyl Chloride	75-01-4	0.27 U	0.27 U	27 UD	0.27 U
Total Confident Conc. VOC		12.71	5527.7	7285	11888
Total TICs		26.2	486	15270	1308

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-10-SDL	A-10-SDL2	A-10-S-DUP	A-10-S-DUPDL
Lab Sample Number		T1753-02DL	T1753-02DL2	T1753-03	T1753-03DL
Sampling Date		03/01/05	03/01/05	03/01/05	03/01/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		10.0	250.0	1.0	10.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	4.1 UD	100 UD	0.41 U	4.1 UD
1,1,2,2-Tetrachloroethane	79-34-5	5.0 UD	120 UD	0.50 U	5.0 UD
1,1,2-Trichloroethane	79-00-5	5.2 UD	130 UD	0.52 U	5.2 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	6.9 UD	170 UD	0.69 U	6.9 UD
1,1-Dichloroethane	75-34-3	2.2 UD	55 UD	0.22 U	2.2 UD
1,1-Dichloroethene	75-35-4	3.2 UD	80 UD	0.32 U	3.2 UD
1,2,4-Trichlorobenzene	120-82-1	2.9 UD	72 UD	0.29 U	2.9 UD
1,2-Dibromo-3-Chloropropane	96-12-8	9.4 UD	240 UD	0.94 U	9.4 UD
1,2-Dibromoethane	106-93-4	6.3 UD	160 UD	0.63 U	6.3 UD
1,2-Dichlorobenzene	95-50-1	3.7 UD	92 UD	0.37 U	3.7 UD
1,2-Dichloroethane	107-06-2	3.2 UD	80 UD	0.32 U	3.2 UD
1,2-Dichloropropane	78-87-5	6.3 UD	160 UD	0.63 U	6.3 UD
1,3-Dichlorobenzene	541-73-1	3.7 UD	92 UD	0.37 U	3.7 UD
1,4-Dichlorobenzene	106-46-7	3.9 UD	98 UD	0.39 U	3.9 UD
2-Butanone	78-93-3	28 UD	710 UD	2.8 U	28 UD
2-Hexanone	591-78-6	6.6 UD	160 UD	0.66 U	6.6 UD
4-Methyl-2-Pentanone	108-10-1	13 UD	330 UD	1.3 U	13 UD
Acetone	67-64-1	33 UD	830 UD	3.3 U	33 UD
Benzene	71-43-2	9600 ED	11000 D	1600 E	9800 ED
Bromodichloromethane	75-27-4	3.5 UD	88 UD	0.35 U	3.5 UD
Bromoform	75-25-2	2.5 UD	62 UD	0.25 U	2.5 UD
Bromomethane	74-83-9	7.8 UD	200 UD	0.78 U	7.8 UD
Carbon Disulfide	75-15-0	3.9 UD	98 UD	0.39 U	3.9 UD
Carbon Tetrachloride	56-23-5	4.7 UD	120 UD	0.47 U	4.7 UD
Chlorobenzene	108-90-7	3.7 UD	92 UD	0.37 U	3.7 UD
Chloroethane	75-00-3	8.8 UD	220 UD	0.88 U	8.8 UD
Chloroform	67-66-3	5.8 UD	140 UD	0.58 U	5.8 UD
Chloromethane	74-87-3	6.8 UD	170 UD	0.68 U	6.8 UD
cis-1,2-Dichloroethene	156-59-2	7.7 UD	190 UD	0.77 U	7.7 UD
cis-1,3-Dichloropropene	10061-01-5	1.5 UD	38 UD	0.15 U	1.5 UD
Cyclohexane	110-82-7	51 D	92 UD	1600 E	46 JD
Dibromochloromethane	124-48-1	3.8 UD	95 UD	0.38 U	3.8 UD
Dichlorodifluoromethane	75-71-8	3.3 UD	82 UD	0.33 U	3.3 UD
Ethyl Benzene	100-41-4	2700 ED	2600 D	2000 E	2800 ED
Isopropylbenzene	98-82-8	82 D	95 JD	76	81 D
m/p-Xylenes	136777-61-2	4300 ED	4500 D	2600 E	4500 ED
Methyl Acetate	79-20-9	8.3 UD	210 UD	0.83 U	8.3 UD
Methyl tert-butyl Ether	1634-04-4	3.6 UD	90 UD	0.36 U	3.6 UD
Methylcyclohexane	108-87-2	16 JD	140 UD	0.58 U	5.8 UD
Methylene Chloride	75-09-2	6.2 UD	160 UD	0.62 U	6.2 UD
o-Xylene	95-47-6	1900 D	1700 D	1400 E	2000 ED
Styrene	100-42-5	22 JD	85 UD	20	20 JD
t-1,3-Dichloropropene	10061-02-6	4.2 UD	100 UD	0.42 U	4.2 UD
Tetrachloroethene	127-18-4	3.3 UD	82 UD	0.33 U	3.3 UD
Toluene	108-88-3	4400 ED	4500 D	2500 E	4700 ED
trans-1,2-Dichloroethene	156-60-5	5.1 UD	130 UD	0.51 U	5.1 UD
Trichloroethene	79-01-6	6.7 UD	170 UD	0.67 U	6.7 UD
Trichlorofluoromethane	75-69-4	5.8 UD	140 UD	0.58 U	5.8 UD
Vinyl Chloride	75-01-4	2.7 UD	68 UD	0.27 U	2.7 UD
Total Confident Conc. VOC		23071	24395	11796	23947
Total TICs		8370	8800	2465	13030

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-10-S-DUPDL2	A-10-D	A-10-DDL	A-10-DDL2
Lab Sample Number		T1753-03DL2	T1753-04	T1753-04DL	T1753-04DL2
Sampling Date		03/01/05	03/01/05	03/01/05	03/01/05
Matrix		WATER	WATER	WATER	WATER
Dilution Factor		250.0	1.0	10.0	250.0
Units		ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #				
1,1,1-Trichloroethane	71-55-6	100 UD	0.41 U	4.1 UD	100 UD
1,1,2,2-Tetrachloroethane	79-34-5	120 UD	0.50 U	5.0 UD	120 UD
1,1,2-Trichloroethane	79-00-5	130 UD	0.52 U	5.2 UD	130 UD
1,1,2-Trichlorotrifluoroethane	76-13-1	170 UD	0.69 U	6.9 UD	170 UD
1,1-Dichloroethane	75-34-3	55 UD	0.22 U	2.2 UD	55 UD
1,1-Dichloroethene	75-35-4	80 UD	0.32 U	3.2 UD	80 UD
1,2,4-Trichlorobenzene	120-82-1	72 UD	0.29 U	2.9 UD	72 UD
1,2-Dibromo-3-Chloropropane	96-12-8	240 UD	0.94 U	9.4 UD	240 UD
1,2-Dibromoethane	106-93-4	160 UD	0.63 U	6.3 UD	160 UD
1,2-Dichlorobenzene	95-50-1	92 UD	0.37 U	3.7 UD	92 UD
1,2-Dichloroethane	107-06-2	80 UD	0.32 U	3.2 UD	80 UD
1,2-Dichloropropane	78-87-5	160 UD	0.63 U	6.3 UD	160 UD
1,3-Dichlorobenzene	541-73-1	92 UD	0.37 U	3.7 UD	92 UD
1,4-Dichlorobenzene	106-46-7	98 UD	0.39 U	3.9 UD	98 UD
2-Butanone	78-93-3	710 UD	2.8 U	28 UD	710 UD
2-Hexanone	591-78-6	160 UD	0.66 U	6.6 UD	160 UD
4-Methyl-2-Pentanone	108-10-1	330 UD	1.3 U	13 UD	330 UD
Acetone	67-64-1	830 UD	3.3 U	33 UD	830 UD
Benzene	71-43-2	11000 D	1500 E	8700 ED	10000 D
Bromodichloromethane	75-27-4	88 UD	0.35 U	3.5 UD	88 UD
Bromoform	75-25-2	62 UD	0.25 U	2.5 UD	62 UD
Bromomethane	74-83-9	200 UD	0.78 U	7.8 UD	200 UD
Carbon Disulfide	75-15-0	98 UD	0.39 U	3.9 UD	98 UD
Carbon Tetrachloride	56-23-5	120 UD	0.47 U	4.7 UD	120 UD
Chlorobenzene	108-90-7	92 UD	0.37 U	3.7 UD	92 UD
Chloroethane	75-00-3	220 UD	0.88 U	8.8 UD	220 UD
Chloroform	67-66-3	140 UD	0.58 U	5.8 UD	140 UD
Chloromethane	74-87-3	170 UD	0.68 U	6.8 UD	170 UD
cis-1,2-Dichloroethene	156-59-2	190 UD	0.77 U	7.7 UD	190 UD
cis-1,3-Dichloropropene	10061-01-5	38 UD	0.15 U	1.5 UD	38 UD
Cyclohexane	110-82-7	92 UD	510 E	22 JD	92 UD
Dibromochloromethane	124-48-1	95 UD	0.38 U	3.8 UD	95 UD
Dichlorodifluoromethane	75-71-8	82 UD	0.33 U	3.3 UD	82 UD
Ethyl Benzene	100-41-4	2700 D	1200 E	1800 D	1600 D
Isopropylbenzene	98-82-8	85 JD	50	53 D	82 UD
m/p-Xylenes	136777-61-2	4400 D	1700 E	2700 D	2900 D
Methyl Acetate	79-20-9	210 UD	0.83 U	8.3 UD	210 UD
Methyl tert-butyl Ether	1634-04-4	90 UD	110	4.1 JD	90 UD
Methylcyclohexane	108-87-2	140 UD	0.58 U	5.8 UD	140 UD
Methylene Chloride	75-09-2	160 UD	0.62 U	6.2 UD	160 UD
o-Xylene	95-47-6	1900 D	1000 E	1400 D	1300 D
Styrene	100-42-5	85 UD	13	15 JD	85 UD
t-1,3-Dichloropropene	10061-02-6	100 UD	0.42 U	4.2 UD	100 UD
Tetrachloroethene	127-18-4	82 UD	0.33 U	3.3 UD	82 UD
Toluene	108-88-3	4400 D	2600 E	5000 ED	5100 D
trans-1,2-Dichloroethene	156-60-5	130 UD	0.51 U	5.1 UD	130 UD
Trichloroethene	79-01-6	170 UD	0.67 U	6.7 UD	170 UD
Trichlorofluoromethane	75-69-4	140 UD	0.58 U	5.8 UD	140 UD
Vinyl Chloride	75-01-4	68 UD	0.27 U	2.7 UD	68 UD
Total Confident Conc. VOC		24485	8683	19694.1	20900
Total TICs		8400	731	11640	11000

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID		A-11	A-11DL2	A-13	A-13DL	EB-1
Lab Sample Number		T1753-08	T1753-08DL2	T1778-03	T1778-03DL	T1753-10
Sampling Date		03/02/05	03/02/05	03/03/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	100.0	1.0	10.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #					
1,1,1-Trichloroethane	71-55-6	0.41 U	41 UD	0.41 U	4.1 UD	0.41
1,1,2,2-Tetrachloroethane	79-34-5	0.50 U	50 UD	0.50 U	5.0 UD	0.50
1,1,2-Trichloroethane	79-00-5	0.52 U	52 UD	0.52 U	5.2 UD	0.52
1,1,2-Trichlorotrifluoroethane	76-13-1	0.69 U	69 UD	0.69 U	6.9 UD	0.69
1,1-Dichloroethane	75-34-3	0.22 U	22 UD	0.22 U	2.2 UD	0.22
1,1-Dichloroethene	75-35-4	0.32 U	32 UD	0.32 U	3.2 UD	0.32
1,2,4-Trichlorobenzene	120-82-1	0.29 U	29 UD	0.29 U	2.9 UD	0.29
1,2-Dibromo-3-Chloropropane	96-12-8	0.94 U	94 UD	0.94 U	9.4 UD	0.94
1,2-Dibromoethane	106-93-4	0.63 U	63 UD	0.63 U	6.3 UD	0.63
1,2-Dichlorobenzene	95-50-1	0.37 U	37 UD	0.37 U	3.7 UD	0.37
1,2-Dichloroethane	107-06-2	0.32 U	32 UD	0.32 U	3.2 UD	0.32
1,2-Dichloropropane	78-87-5	0.63 U	63 UD	0.63 U	6.3 UD	0.63
1,3-Dichlorobenzene	541-73-1	0.37 U	37 UD	0.37 U	3.7 UD	0.37
1,4-Dichlorobenzene	106-46-7	0.39 U	39 UD	0.39 U	3.9 UD	0.39
2-Butanone	78-93-3	2.8 U	280 UD	2.8 U	28 UD	2.8
2-Hexanone	591-78-6	0.66 U	66 UD	0.66 U	6.6 UD	0.66
4-Methyl-2-Pentanone	108-10-1	1.3 U	130 UD	1.3 U	13 UD	1.3
Acetone	67-64-1	3.3 U	330 UD	6.2 J	33 UD	3.3
Benzene	71-43-2	1200 E	1900 D	510 E	410 D	0.24
Bromodichloromethane	75-27-4	0.35 U	35 UD	0.35 U	3.5 UD	0.35
Bromoform	75-25-2	0.25 U	25 UD	0.25 U	2.5 UD	0.25
Bromomethane	74-83-9	0.78 U	78 UD	0.78 U	7.8 UD	0.78
Carbon Disulfide	75-15-0	0.39 U	39 UD	0.39 U	3.9 UD	0.39
Carbon Tetrachloride	56-23-5	0.47 U	47 UD	0.47 U	4.7 UD	0.47
Chlorobenzene	108-90-7	0.37 U	37 UD	0.37 U	3.7 UD	0.37
Chloroethane	75-00-3	0.88 U	88 UD	0.88 U	8.8 UD	0.88
Chloroform	67-66-3	0.58 U	58 UD	0.58 U	5.8 UD	0.58
Chloromethane	74-87-3	0.68 U	68 UD	0.68 U	6.8 UD	0.68
cis-1,2-Dichloroethene	156-59-2	0.77 U	77 UD	0.77 U	7.7 UD	0.77
cis-1,3-Dichloropropene	10061-01-5	0.15 U	15 UD	0.15 U	1.5 UD	0.15
Cyclohexane	110-82-7	7.9	37 UD	27	14 JD	0.37
Dibromochloromethane	124-48-1	0.38 U	38 UD	0.38 U	3.8 UD	0.38
Dichlorodifluoromethane	75-71-8	0.33 U	33 UD	0.33 U	3.3 UD	0.33
Ethyl Benzene	100-41-4	770 E	780 D	71	45 JD	0.41
Isopropylbenzene	98-82-8	52	56 JD	6.7	3.3 UD	0.33
m/p-Xylenes	136777-61-2	530 E	520 D	170	110 D	0.96
Methyl Acetate	79-20-9	0.83 U	83 UD	0.83 U	8.3 UD	0.83
Methyl tert-butyl Ether	1634-04-4	0.36 U	36 UD	0.36 U	3.6 UD	0.36
Methylcyclohexane	108-87-2	0.58 U	58 UD	46	19 JD	0.58
Methylene Chloride	75-09-2	0.62 U	62 UD	0.62 U	6.2 UD	0.62
o-Xylene	95-47-6	240 E	200 JD	71	47 JD	0.37
Styrene	100-42-5	0.34 U	34 UD	12	6.0 JD	0.34
t-1,3-Dichloropropene	10061-02-6	0.42 U	42 UD	0.42 U	4.2 UD	0.42
Tetrachloroethene	127-18-4	0.33 U	33 UD	0.33 U	3.3 UD	0.33
Toluene	108-88-3	62	58 JD	160	110 D	0.39
trans-1,2-Dichloroethene	156-60-5	0.51 U	51 UD	0.51 U	5.1 UD	0.51
Trichloroethene	79-01-6	0.67 U	67 UD	0.67 U	6.7 UD	0.67
Trichlorofluoromethane	75-69-4	0.58 U	58 UD	0.58 U	5.8 UD	0.58
Vinyl Chloride	75-01-4	0.27 U	27 UD	0.27 U	2.7 UD	0.27
Total Confident Conc. VOC		2861.9	3514	1079.9	761	0
Total TICs		1936	690	743	2272	0

Queens West Development
Subsurface Investigation
Volatile Organic Compounds

Sample ID			TRIPBLANK-4
Lab Sample Number			T1778-09
Sampling Date			03/03/05
Matrix			WATER
Dilution Factor			1.0
Units			ug/L
COMPOUND	CAS #		
1,1,1-Trichloroethane	71-55-6	U	0.41 U
1,1,2,2-Tetrachloroethane	79-34-5	U	0.50 U
1,1,2-Trichloroethane	79-00-5	U	0.52 U
1,1,2-Trichlorotrifluoroethane	76-13-1	U	0.69 U
1,1-Dichloroethane	75-34-3	U	0.22 U
1,1-Dichloroethene	75-35-4	U	0.32 U
1,2,4-Trichlorobenzene	120-82-1	U	0.29 U
1,2-Dibromo-3-Chloropropane	96-12-8	U	0.94 U
1,2-Dibromoethane	106-93-4	U	0.63 U
1,2-Dichlorobenzene	95-50-1	U	0.37 U
1,2-Dichloroethane	107-06-2	U	0.32 U
1,2-Dichloropropane	78-87-5	U	0.63 U
1,3-Dichlorobenzene	541-73-1	U	0.37 U
1,4-Dichlorobenzene	106-46-7	U	0.39 U
2-Butanone	78-93-3	U	2.8 U
2-Hexanone	591-78-6	U	0.66 U
4-Methyl-2-Pentanone	108-10-1	U	1.3 U
Acetone	67-64-1	U	3.3 U
Benzene	71-43-2	U	0.24 U
Bromodichloromethane	75-27-4	U	0.35 U
Bromoform	75-25-2	U	0.25 U
Bromomethane	74-83-9	U	0.78 U
Carbon Disulfide	75-15-0	U	0.39 U
Carbon Tetrachloride	56-23-5	U	0.47 U
Chlorobenzene	108-90-7	U	0.37 U
Chloroethane	75-00-3	U	0.88 U
Chloroform	67-66-3	U	0.58 U
Chloromethane	74-87-3	U	0.68 U
cis-1,2-Dichloroethene	156-59-2	U	0.77 U
cis-1,3-Dichloropropene	10061-01-5	U	0.15 U
Cyclohexane	110-82-7	U	0.37 U
Dibromochloromethane	124-48-1	U	0.38 U
Dichlorodifluoromethane	75-71-8	U	0.33 U
Ethyl Benzene	100-41-4	U	0.41 U
Isopropylbenzene	98-82-8	U	0.33 U
m/p-Xylenes	136777-61-2	U	0.96 U
Methyl Acetate	79-20-9	U	0.83 U
Methyl tert-butyl Ether	1634-04-4	U	0.36 U
Methylcyclohexane	108-87-2	U	0.58 U
Methylene Chloride	75-09-2	U	0.62 U
o-Xylene	95-47-6	U	0.37 U
Styrene	100-42-5	U	0.34 U
t-1,3-Dichloropropene	10061-02-6	U	0.42 U
Tetrachloroethene	127-18-4	U	0.33 U
Toluene	108-88-3	U	0.39 U
trans-1,2-Dichloroethene	156-60-5	U	0.51 U
Trichloroethene	79-01-6	U	0.67 U
Trichlorofluoromethane	75-69-4	U	0.58 U
Vinyl Chloride	75-01-4	U	0.27 U
Total Confident Conc. VOC			0
Total TICs			0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		A-1-S	A-1-SDL	A-1-SDL2	A-2-D	A-2-DDL	A-2-S	A-3	A-3DL
Lab Sample Number		T1778-08	T1778-08DL	T1778-08DL2	T1778-06	T1778-06DL	T1778-07	T1753-01	T1753-01DL
Sampling Date		03/03/05	03/03/05	03/03/05	03/03/05	03/03/05	03/03/05	03/01/05	03/01/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	5.0	50.0	1.0	2.0	1.0	1.0	5.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #								
1,1-Biphenyl	92-52-4	35	30 JD	14 UD	5.0 J	4.4 JD	0.270 U	2.2 J	1.3 UD
2,2-oxybis(1-Chloropropane)	108-60-1	0.840 U	4.2 UD	42 UD	0.830 U	1.7 UD	0.850 U	0.830 U	4.2 UD
2,4,5-Trichlorophenol	95-95-4	0.590 U	2.9 UD	29 UD	0.580 U	1.2 UD	0.590 U	0.580 U	2.9 UD
2,4,6-Trichlorophenol	88-06-2	0.290 U	1.4 UD	14 UD	0.280 U	0.560 UD	0.290 U	0.280 U	1.4 UD
2,4-Dichlorophenol	120-83-2	0.290 U	1.5 UD	15 UD	0.290 U	0.570 UD	0.290 U	0.290 U	1.4 UD
2,4-Dimethylphenol	105-67-9	9.0 J	8.4 JD	23 UD	0.460 U	0.920 UD	0.470 U	1.1 J	2.3 UD
2,4-Dinitrophenol	51-28-5	0.190 U	0.940 UD	9.4 UD	0.190 U	0.370 UD	0.190 U	0.190 U	0.930 UD
2,4-Dinitrotoluene	121-14-2	0.340 U	1.7 UD	17 UD	0.340 U	0.670 UD	0.340 U	0.340 U	1.7 UD
2,6-Dinitrotoluene	606-20-2	0.420 U	2.1 UD	21 UD	0.410 U	0.820 UD	0.420 U	0.410 U	2.1 UD
2-Chloronaphthalene	91-58-7	0.390 U	1.9 UD	19 UD	0.390 U	0.770 UD	0.390 U	0.390 U	1.9 UD
2-Chlorophenol	95-57-8	0.730 U	3.7 UD	37 UD	0.730 U	1.5 UD	0.740 U	0.730 U	3.6 UD
2-Methylnaphthalene	91-57-6	120 E	96 D	92 JD	26	2.8 JD	0.510 U	57	37 JD
2-Methylphenol	95-48-7	1.1 U	5.7 UD	57 UD	1.1 U	2.3 UD	1.2 U	1.1 U	5.6 UD
2-Nitroaniline	88-74-4	0.300 U	1.5 UD	15 UD	0.300 U	0.590 UD	0.300 U	0.300 U	1.5 UD
2-Nitrophenol	88-75-5	0.270 U	1.3 UD	13 UD	0.270 U	0.530 UD	0.270 U	0.270 U	1.3 UD
3,3-Dichlorobenzidine	91-94-1	1.6 U	8.0 UD	80 UD	1.6 U	3.2 UD	1.6 U	1.6 U	7.9 UD
3+4-Methylphenols	106-44-5	3.7 J	5.5 UD	55 UD	1.6 J	2.2 UD	1.1 U	1.1 U	5.5 UD
3-Nitroaniline	99-09-2	1.1 U	5.3 UD	53 UD	1.0 U	2.1 UD	1.1 U	1.0 U	5.2 UD
4,6-Dinitro-2-methylphenol	534-52-1	1.5 U	7.3 UD	73 UD	1.4 U	2.9 UD	1.5 U	1.4 U	7.2 UD
4-Bromophenyl-phenylether	101-55-3	0.170 U	0.860 UD	8.6 UD	0.170 U	0.340 UD	0.170 U	0.170 U	0.850 UD
4-Chloro-3-methylphenol	59-50-7	0.300 U	1.5 UD	15 UD	0.300 U	0.600 UD	0.310 U	0.300 U	1.5 UD
4-Chloroaniline	106-47-8	4.1 U	21 UD	210 UD	4.1 U	8.2 UD	4.2 U	4.1 U	20 UD
4-Chlorophenyl-phenylether	7005-72-3	0.370 U	1.8 UD	18 UD	0.360 U	0.720 UD	0.370 U	0.360 U	1.8 UD
4-Nitroaniline	100-01-6	0.840 U	4.2 UD	42 UD	0.830 U	1.7 UD	0.850 U	0.830 U	4.2 UD
4-Nitrophenol	100-02-7	0.950 U	4.7 UD	47 UD	0.940 U	1.9 UD	0.960 U	0.940 U	4.7 UD
Acenaphthene	83-32-9	35	30 JD	12 UD	5.0 J	4.4 JD	0.240 U	4.7 J	1.2 UD
Acenaphthylene	208-96-8	80	48 JD	22 UD	0.430 U	0.870 UD	0.440 U	0.430 U	2.2 UD
Acetophenone	98-86-2	0.560 U	2.8 UD	28 UD	0.550 U	1.1 UD	0.560 U	0.550 U	2.8 UD
Anthracene	120-12-7	7.5 J	7.4 JD	8.0 UD	1.3 J	0.320 UD	0.160 U	1.1 J	0.790 UD
Atrazine	1912-24-9	0.480 U	2.4 UD	24 UD	0.480 U	0.950 UD	0.490 U	0.480 U	2.4 UD
Benzaldehyde	100-52-7	1.7 U	8.7 UD	87 UD	1.7 U	3.4 UD	1.8 U	1.7 U	8.6 UD
Benzo(a)anthracene	56-55-3	0.230 U	1.1 UD	11 UD	0.220 U	0.450 UD	0.230 U	0.220 U	1.1 UD
Benzo(a)pyrene	50-32-8	0.450 U	2.3 UD	23 UD	0.450 U	0.890 UD	0.460 U	0.450 U	2.2 UD
Benzo(b)fluoranthene	205-99-2	0.230 U	1.2 UD	12 UD	0.230 U	0.460 UD	0.240 U	0.230 U	1.2 UD
Benzo(g,h,i)perylene	191-24-2	0.430 U	2.1 UD	21 UD	0.420 U	0.850 UD	0.430 U	0.420 U	2.1 UD
Benzo(k)fluoranthene	207-08-9	0.390 U	1.9 UD	19 UD	0.380 U	0.760 UD	0.390 U	0.380 U	1.9 UD
bis(2-Chloroethoxy)methane	111-91-1	0.450 U	2.2 UD	22 UD	0.440 U	0.880 UD	0.450 U	0.440 U	2.2 UD
bis(2-Chloroethyl)ether	111-44-4	0.330 U	1.6 UD	16 UD	0.330 U	0.650 UD	0.330 U	0.330 U	1.6 UD
bis(2-Ethylhexyl)phthalate	117-81-7	0.350 U	1.7 UD	17 UD	0.340 U	0.690 UD	0.350 U	0.340 U	1.7 UD
Butylbenzylphthalate	85-68-7	0.300 U	1.5 UD	15 UD	0.300 U	0.600 UD	0.300 U	0.300 U	1.5 UD
Caprolactam	105-60-2	0.510 U	2.6 UD	26 UD	0.510 U	1.0 UD	0.520 U	0.510 U	2.5 UD
Carbazole	86-74-8	43	38 JD	16 UD	9.2 J	8.7 JD	2.0 J	1.1 J	1.5 UD
Chrysene	218-01-9	0.390 U	1.9 UD	19 UD	0.380 U	0.770 UD	0.390 U	0.380 U	1.9 UD
Dibenz(a,h)anthracene	53-70-3	0.290 U	1.5 UD	15 UD	0.290 U	0.580 UD	0.300 U	0.290 U	1.4 UD
Dibenzofuran	132-64-9	140 E	97 D	89 JD	27	24 D	0.320 U	1.0 J	1.6 UD
Diethylphthalate	84-66-2	0.340 U	1.7 UD	17 UD	0.340 U	0.680 UD	0.350 U	0.340 U	1.7 UD
Dimethylphthalate	131-11-3	0.260 U	1.3 UD	13 UD	0.260 U	0.510 UD	0.260 U	0.260 U	1.3 UD
Di-n-butylphthalate	84-74-2	0.099 U	0.490 UD	4.9 UD	0.098 U	0.200 UD	0.100 U	0.098 U	0.490 UD
Di-n-octyl phthalate	117-84-0	0.170 U	0.870 UD	8.7 UD	0.170 U	0.340 UD	0.180 U	0.170 U	0.860 UD
Fluoranthene	206-44-0	11	11 JD	11 UD	0.210 U	0.420 UD	0.210 U	0.210 U	1.0 UD
Fluorene	86-73-7	77	58 D	55 JD	16	15 JD	0.180 U	3.3 J	0.860 UD
Hexachlorobenzene	118-74-1	0.230 U	1.2 UD	12 UD	0.230 U	0.460 UD	0.240 U	0.230 U	1.2 UD
Hexachlorobutadiene	87-68-3	0.380 U	1.9 UD	19 UD	0.380 U	0.750 UD	0.380 U	0.380 U	1.9 UD
Hexachlorocyclopentadiene	77-47-4	0.460 U	2.3 UD	23 UD	0.450 U	0.900 UD	0.460 U	0.450 U	2.3 UD
Hexachloroethane	67-72-1	0.920 U	4.6 UD	46 UD	0.910 U	1.8 UD	0.930 U	0.910 U	4.6 UD
Indeno(1,2,3-cd)pyrene	193-39-5	0.290 U	1.5 UD	15 UD	0.290 U	0.580 UD	0.300 U	0.290 U	1.5 UD
Isophorone	78-59-1	0.480 U	2.4 UD	24 UD	0.480 U	0.950 UD	0.490 U	0.480 U	2.4 UD
Naphthalene	91-20-3	1300 E	1400 ED	710 D	100 E	77 D	1.8 J	86 E	59 D
Nitrobenzene	98-95-3	0.380 U	1.9 UD	19 UD	0.380 U	0.750 UD	0.380 U	0.380 U	1.9 UD
N-Nitroso-di-n-propylamine	621-64-7	0.770 U	3.9 UD	39 UD	0.770 U	1.5 UD	0.780 U	0.770 U	3.8 UD
N-Nitrosodiphenylamine	86-30-6	0.280 U	1.4 UD	14 UD	0.280 U	0.560 UD	0.290 U	0.280 U	1.4 UD
Pentachlorophenol	87-86-5	0.390 U	2.0 UD	20 UD	0.390 U	0.780 UD	0.400 U	0.390 U	1.9 UD
Phenanthrene	85-01-8	190 E	120 D	100 JD	25	22 D	1.1 J	3.2 J	1.4 UD
Phenol	108-95-2	0.430 U	2.2 UD	22 UD	5.1 J	5.0 JD	0.440 U	0.430 U	2.1 UD
Pyrene	129-00-0	7.9 J	6.9 JD	12 UD	0.250 U	0.490 UD	0.250 U	0.250 U	1.2 UD
Total Confident Conc. SVOC		2059.1	1950.7	1046	221.2	163.3	4.9	160.7	96
Total TICs			0	0	345	0	17.4	563	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		A-4-D	A-4-S	A-5	A-7	A-8	A-9
Lab Sample Number		T1778-01	T1778-02	T1753-06	T1753-07	T1753-05	T1753-09
Sampling Date		03/03/05	03/03/05	03/03/05	03/02/05	03/02/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #						
1,1-Biphenyl	92-52-4	1.1 J	0.270 U	0.270 U	0.270 U	0.270 U	100 E
2,2-oxybis(1-Chloropropane)	108-60-1	0.840 U	0.820 U	0.830 U	0.840 U	0.840 U	0.840 U
2,4,5-Trichlorophenol	95-95-4	0.590 U	0.570 U	0.580 U	0.590 U	0.590 U	0.590 U
2,4,6-Trichlorophenol	88-06-2	0.290 U	0.280 U	0.280 U	0.290 U	0.290 U	0.290 U
2,4-Dichlorophenol	120-83-2	0.290 U	0.280 U	0.290 U	0.290 U	0.290 U	0.290 U
2,4-Dimethylphenol	105-67-9	0.470 U	0.460 U	0.460 U	0.470 U	0.470 U	830 E
2,4-Dinitrophenol	51-28-5	0.190 U	0.180 U	0.190 U	0.190 U	0.190 U	0.190 U
2,4-Dinitrotoluene	121-14-2	0.340 U	0.330 U	0.340 U	0.340 U	0.340 U	0.340 U
2,6-Dinitrotoluene	606-20-2	0.420 U	0.410 U	0.410 U	0.420 U	0.420 U	0.420 U
2-Chloronaphthalene	91-58-7	0.390 U	0.380 U	0.390 U	0.390 U	0.390 U	0.390 U
2-Chlorophenol	95-57-8	0.730 U	0.720 U	0.730 U	0.730 U	0.730 U	0.730 U
2-Methylnaphthalene	91-57-6	42	0.490 U	0.500 U	0.500 U	0.500 U	690 E
2-Methylphenol	95-48-7	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
2-Nitroaniline	88-74-4	0.300 U	0.290 U	0.300 U	0.300 U	0.300 U	0.300 U
2-Nitrophenol	88-75-5	0.270 U	0.260 U	0.270 U	0.270 U	0.270 U	0.270 U
3,3-Dichlorobenzidine	91-94-1	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
3+4-Methylphenols	106-44-5	11	1.1 U	1.1 U	1.1 U	1.1 U	360 E
3-Nitroaniline	99-09-2	1.1 U	1.0 U	1.0 U	1.1 U	1.1 U	1.1 U
4,6-Dinitro-2-methylphenol	534-52-1	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.5 U
4-Bromophenyl-phenylether	101-55-3	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U
4-Chloro-3-methylphenol	59-50-7	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U	0.300 U
4-Chloroaniline	106-47-8	4.1 U	4.0 U	4.1 U	4.1 U	4.1 U	4.1 U
4-Chlorophenyl-phenylether	7005-72-3	0.370 U	0.360 U	0.360 U	0.370 U	0.370 U	0.370 U
4-Nitroaniline	100-01-6	0.840 U	0.820 U	0.830 U	0.840 U	0.840 U	0.840 U
4-Nitrophenol	100-02-7	0.950 U	0.930 U	0.940 U	0.950 U	0.950 U	0.950 U
Acenaphthene	83-32-9	1.1 J	0.230 U	0.240 U	0.240 U	0.240 U	210 E
Acenaphthylene	208-96-8	0.440 U	0.430 U	0.430 U	0.440 U	0.440 U	0.440 U
Acetophenone	98-86-2	0.560 U	0.540 U	0.550 U	0.560 U	0.560 U	0.560 U
Anthracene	120-12-7	0.160 U	0.160 U	0.160 U	0.160 U	0.160 U	13
Atrazine	1912-24-9	0.480 U	0.470 U	0.480 U	0.480 U	0.480 U	0.480 U
Benzaldehyde	100-52-7	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Benzo(a)anthracene	56-55-3	0.230 U	0.220 U	0.220 U	0.230 U	0.230 U	0.230 U
Benzo(a)pyrene	50-32-8	0.450 U	0.440 U	0.450 U	0.450 U	0.450 U	0.450 U
Benzo(b)fluoranthene	205-99-2	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Benzo(g,h,i)perylene	191-24-2	0.430 U	0.420 U	0.420 U	0.430 U	0.430 U	0.430 U
Benzo(k)fluoranthene	207-08-9	0.390 U	0.380 U	0.380 U	0.390 U	0.390 U	0.390 U
bis(2-Chloroethoxy)methane	111-91-1	0.450 U	0.440 U	0.440 U	0.450 U	0.450 U	0.450 U
bis(2-Chloroethyl)ether	111-44-4	0.330 U	0.320 U	0.330 U	0.330 U	0.330 U	0.330 U
bis(2-Ethylhexyl)phthalate	117-81-7	0.350 U	0.340 U	0.340 U	0.350 U	0.350 U	0.350 U
Butylbenzylphthalate	85-68-7	0.300 U	0.290 U	0.300 U	0.300 U	0.300 U	0.300 U
Caprolactam	105-60-2	0.510 U	0.500 U	0.510 U	0.510 U	0.510 U	0.510 U
Carbazole	86-74-8	5.7 J	0.300 U	0.310 U	0.310 U	0.310 U	100 E
Chrysene	218-01-9	0.390 U	0.380 U	0.380 U	0.390 U	0.390 U	0.390 U
Dibenz(a,h)anthracene	53-70-3	0.290 U	0.290 U	0.290 U	0.290 U	0.290 U	0.290 U
Dibenzofuran	132-64-9	12	0.310 U	0.310 U	0.320 U	0.320 U	150 E
Diethylphthalate	84-66-2	0.340 U	0.340 U	0.340 U	0.340 U	0.340 U	0.340 U
Dimethylphthalate	131-11-3	0.260 U	0.250 U	0.260 U	0.260 U	0.260 U	0.260 U
Di-n-butylphthalate	84-74-2	0.099 U	0.097 U	0.098 U	0.099 U	0.099 U	0.099 U
Di-n-octyl phthalate	117-84-0	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U
Fluoranthene	206-44-0	0.210 U	0.210 U	0.210 U	0.210 U	0.210 U	4.0 J
Fluorene	86-73-7	7.2 J	0.170 U	0.170 U	0.170 U	0.170 U	90 E
Hexachlorobenzene	118-74-1	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Hexachlorobutadiene	87-68-3	0.380 U	0.370 U	0.380 U	0.380 U	0.380 U	0.380 U
Hexachlorocyclopentadiene	77-47-4	0.460 U	0.450 U	0.450 U	0.460 U	0.460 U	0.460 U
Hexachloroethane	67-72-1	0.920 U	0.900 U	0.910 U	0.920 U	0.920 U	0.920 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.290 U	0.290 U	0.290 U	0.290 U	0.290 U	0.290 U
Isophorone	78-59-1	0.480 U	0.470 U	0.480 U	0.480 U	0.480 U	0.480 U
Naphthalene	91-20-3	32	0.270 U	0.270 U	0.270 U	0.270 U	1800 E
Nitrobenzene	98-95-3	0.380 U	0.370 U	0.380 U	0.380 U	0.380 U	0.380 U
N-Nitroso-di-n-propylamine	621-64-7	0.770 U	0.760 U	0.770 U	0.770 U	0.770 U	0.770 U
N-Nitrosodiphenylamine	86-30-6	0.280 U	0.280 U	0.280 U	0.280 U	0.280 U	0.280 U
Pentachlorophenol	87-86-5	0.390 U	0.380 U	0.390 U	0.390 U	0.390 U	0.390 U
Phenanthrene	85-01-8	7.9 J	0.270 U	0.270 U	0.280 U	0.280 U	71
Phenol	108-95-2	20	0.420 U	0.430 U	0.430 U	0.430 U	0.430 U
Pyrene	129-00-0	0.250 U	0.240 U	0.250 U	0.250 U	0.250 U	4.1 J
Total Confident Conc. SVOC		140	0	0	0	0	4412.1
Total TICs		391	15.5	12	13	112.6	1026

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		A-9DL	A-9DL2	A-9DL3	A-10-S	A-10-SDL	A-10-SDL2	A-10-SDL3
Lab Sample Number		T1753-09DL	T1753-09DL2	T1753-09DL3	T1753-02	T1753-02DL	T1753-02DL2	T1753-02DL3
Sampling Date		03/02/05	03/02/05	03/02/05	03/01/05	03/01/05	03/01/05	03/01/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		5.0	25.0	500.0	1.0	5.0	25.0	125.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #							
1,1-Biphenyl	92-52-4	95 D	76 JD	140 UD	52	47 JD	40 JD	34 UD
2,2-oxybis(1-Chloropropane)	108-60-1	4.2 UD	21 UD	420 UD	0.840 U	4.2 UD	21 UD	100 UD
2,4,5-Trichlorophenol	95-95-4	2.9 UD	15 UD	290 UD	0.590 U	2.9 UD	15 UD	73 UD
2,4,6-Trichlorophenol	88-06-2	1.4 UD	7.1 UD	140 UD	0.290 U	1.4 UD	7.1 UD	36 UD
2,4-Dichlorophenol	120-83-2	1.5 UD	7.3 UD	150 UD	0.290 U	1.5 UD	7.3 UD	36 UD
2,4-Dimethylphenol	105-67-9	740 ED	420 D	230 UD	200 E	560 ED	440 D	380 JD
2,4-Dinitrophenol	51-28-5	0.940 UD	4.7 UD	94 UD	0.190 U	0.940 UD	4.7 UD	24 UD
2,4-Dinitrotoluene	121-14-2	1.7 UD	8.5 UD	170 UD	0.340 U	1.7 UD	8.5 UD	42 UD
2,6-Dinitrotoluene	606-20-2	2.1 UD	10 UD	210 UD	0.420 U	2.1 UD	10 UD	52 UD
2-Chloronaphthalene	91-58-7	1.9 UD	9.7 UD	190 UD	0.390 U	1.9 UD	9.7 UD	49 UD
2-Chlorophenol	95-57-8	3.7 UD	18 UD	370 UD	0.730 U	3.7 UD	18 UD	92 UD
2-Methylnaphthalene	91-57-6	1100 ED	840 D	600 JD	790 E	410 D	350 D	280 JD
2-Methylphenol	95-48-7	58 D	50 JD	570 UD	900 E	1100 ED	950 D	750 JD
2-Nitroaniline	88-74-4	1.5 UD	7.5 UD	150 UD	0.300 U	1.5 UD	7.5 UD	38 UD
2-Nitrophenol	88-75-5	1.3 UD	6.7 UD	130 UD	0.270 U	1.3 UD	6.7 UD	34 UD
3,3-Dichlorobenzidine	91-94-1	8.0 UD	40 UD	800 UD	1.6 U	8.0 UD	40 UD	200 UD
3+4-Methylphenols	106-44-5	290 D	220 JD	550 UD	1800 E	2400 ED	2400 ED	1700 D
3-Nitroaniline	99-09-2	5.3 UD	26 UD	530 UD	1.1 U	5.3 UD	26 UD	130 UD
4,6-Dinitro-2-methylphenol	534-52-1	7.3 UD	36 UD	730 UD	1.5 U	7.3 UD	36 UD	180 UD
4-Bromophenyl-phenylether	101-55-3	0.860 UD	4.3 UD	86 UD	0.170 U	0.860 UD	4.3 UD	21 UD
4-Chloro-3-methylphenol	59-50-7	1.5 UD	7.6 UD	150 UD	0.300 U	1.5 UD	7.6 UD	38 UD
4-Chloroaniline	106-47-8	21 UD	100 UD	2100 UD	4.1 U	21 UD	100 UD	520 UD
4-Chlorophenyl-phenylether	7005-72-3	1.8 UD	9.1 UD	180 UD	0.370 U	1.8 UD	9.1 UD	46 UD
4-Nitroaniline	100-01-6	4.2 UD	21 UD	420 UD	0.840 U	4.2 UD	21 UD	110 UD
4-Nitrophenol	100-02-7	4.7 UD	24 UD	470 UD	0.950 U	4.7 UD	24 UD	120 UD
Acenaphthene	83-32-9	280 D	190 JD	120 UD	110 E	110 D	86 JD	30 UD
Acenaphthylene	208-96-8	2.2 UD	11 UD	220 UD	3.7 J	2.2 UD	11 UD	55 UD
Acetophenone	98-86-2	2.8 UD	14 UD	280 UD	0.560 U	2.8 UD	14 UD	69 UD
Anthracene	120-12-7	9.2 JD	4.0 UD	80 UD	9.4 J	8.3 JD	4.0 UD	20 UD
Atrazine	1912-24-9	2.4 UD	12 UD	240 UD	0.480 U	2.4 UD	12 UD	60 UD
Benzaldehyde	100-52-7	8.7 UD	43 UD	870 UD	1.7 U	8.7 UD	43 UD	220 UD
Benzo(a)anthracene	56-55-3	1.1 UD	5.7 UD	110 UD	0.230 U	1.1 UD	5.7 UD	28 UD
Benzo(a)pyrene	50-32-8	2.3 UD	11 UD	230 UD	0.450 U	2.3 UD	11 UD	56 UD
Benzo(b)fluoranthene	205-99-2	1.2 UD	5.9 UD	120 UD	0.230 U	1.2 UD	5.9 UD	29 UD
Benzo(g,h,i)perylene	191-24-2	2.1 UD	11 UD	210 UD	0.430 U	2.1 UD	11 UD	53 UD
Benzo(k)fluoranthene	207-08-9	1.9 UD	9.7 UD	190 UD	0.390 U	1.9 UD	9.7 UD	48 UD
bis(2-Chloroethoxy)methane	111-91-1	2.2 UD	11 UD	220 UD	0.450 U	2.2 UD	11 UD	56 UD
bis(2-Chloroethyl)ether	111-44-4	1.6 UD	8.2 UD	160 UD	0.330 U	1.6 UD	8.2 UD	41 UD
bis(2-Ethylhexyl)phthalate	117-81-7	1.7 UD	8.7 UD	170 UD	0.350 U	1.7 UD	8.7 UD	43 UD
Butylbenzylphthalate	85-68-7	1.5 UD	7.5 UD	150 UD	0.300 U	1.5 UD	7.5 UD	38 UD
Caprolactam	105-60-2	2.6 UD	13 UD	260 UD	0.510 U	2.6 UD	13 UD	64 UD
Carbazole	86-74-8	75 D	62 JD	160 UD	150 E	120 D	98 JD	39 UD
Chrysene	218-01-9	1.9 UD	9.7 UD	190 UD	0.390 U	1.9 UD	9.7 UD	48 UD
Dibenz(a,h)anthracene	53-70-3	1.5 UD	7.3 UD	150 UD	0.290 U	1.5 UD	7.3 UD	37 UD
Dibenzofuran	132-64-9	140 D	110 JD	160 UD	100 E	90 D	66 JD	40 UD
Diethylphthalate	84-66-2	1.7 UD	8.6 UD	170 UD	0.340 U	1.7 UD	8.6 UD	43 UD
Dimethylphthalate	131-11-3	1.3 UD	6.5 UD	130 UD	0.260 U	1.3 UD	6.5 UD	32 UD
Di-n-butylphthalate	84-74-2	0.490 UD	2.5 UD	49 UD	0.099 U	0.490 UD	2.5 UD	12 UD
Di-n-octyl phthalate	117-84-0	0.870 UD	4.3 UD	87 UD	0.170 U	0.870 UD	4.3 UD	22 UD
Fluoranthene	206-44-0	1.1 UD	5.3 UD	110 UD	2.5 J	1.1 UD	5.3 UD	26 UD
Fluorene	86-73-7	63 D	58 JD	87 UD	61	42 JD	41 JD	22 UD
Hexachlorobenzene	118-74-1	1.2 UD	5.9 UD	120 UD	0.230 U	1.2 UD	5.9 UD	29 UD
Hexachlorobutadiene	87-68-3	1.9 UD	9.5 UD	190 UD	0.380 U	1.9 UD	9.5 UD	47 UD
Hexachlorocyclopentadiene	77-47-4	2.3 UD	11 UD	230 UD	0.460 U	2.3 UD	11 UD	57 UD
Hexachloroethane	67-72-1	4.6 UD	23 UD	460 UD	0.920 U	4.6 UD	23 UD	120 UD
Indeno(1,2,3-cd)pyrene	193-39-5	1.5 UD	7.3 UD	150 UD	0.290 U	1.5 UD	7.3 UD	37 UD
Isophorone	78-59-1	2.4 UD	12 UD	240 UD	0.480 U	2.4 UD	12 UD	60 UD
Naphthalene	91-20-3	4000 ED	5600 ED	10000 D	2400 E	1800 ED	3700 ED	4200 D
Nitrobenzene	98-95-3	1.9 UD	9.5 UD	190 UD	0.380 U	1.9 UD	9.5 UD	47 UD
N-Nitroso-dl-n-propylamine	621-64-7	3.9 UD	19 UD	390 UD	0.770 U	3.9 UD	19 UD	97 UD
N-Nitrosodiphenylamine	86-30-6	1.4 UD	7.1 UD	140 UD	0.280 U	1.4 UD	7.1 UD	36 UD
Pentachlorophenol	87-86-5	2.0 UD	9.8 UD	200 UD	0.390 U	2.0 UD	9.8 UD	49 UD
Phenanthrene	85-01-8	58 D	49 JD	140 UD	49	39 JD	36 JD	35 UD
Phenol	108-95-2	2.2 UD	11 UD	220 UD	1200 E	1300 ED	990 D	860 JD
Pyrene	129-00-0	5.3 JD	6.2 UD	120 UD	2.1 J	1.2 UD	6.2 UD	31 UD
Total Confident Conc. SVOC		6913.5	7875	10600	7829.7	8026.3	9197	8170
Total TICs		0	0	0	522.1	0	0	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		A-10-S-DUP	A-10-S-DUPDL	A-10-S-DUPDL2	A-10-S-DUPDL3	A-10-D	A-10-DDL	A-10-DDL2
Lab Sample Number		T1753-03	T1753-03DL	T1753-03DL2	T1753-03DL3	T1753-04	T1753-04DL	T1753-04DL2
Sampling Date		03/01/05	03/01/05	03/01/05	03/01/05	03/01/05	03/01/05	03/01/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	5.0	25.0	125.0	1.0	5.0	25.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #							
1,1-Biphenyl	92-52-4	63	50 JD	44 JD	34 UD	86 E	66 D	54 JD
2,2-oxybis(1-Chloropropane)	108-60-1	0.850 U	4.2 UD	21 UD	110 UD	0.840 U	4.2 UD	21 UD
2,4,5-Trichlorophenol	95-95-4	0.590 U	3.0 UD	15 UD	74 UD	0.590 U	2.9 UD	15 UD
2,4,6-Trichlorophenol	88-06-2	0.290 U	1.4 UD	7.2 UD	36 UD	0.290 U	1.4 UD	7.1 UD
2,4-Dichlorophenol	120-83-2	0.290 U	1.5 UD	7.3 UD	37 UD	0.290 U	1.5 UD	7.3 UD
2,4-Dimethylphenol	105-67-9	110 E	510 ED	400 D	380 JD	5.6 J	22 JD	12 UD
2,4-Dinitrophenol	51-28-5	0.190 U	0.950 UD	4.8 UD	24 UD	0.190 U	0.940 UD	4.7 UD
2,4-Dinitrotoluene	121-14-2	0.340 U	1.7 UD	8.6 UD	43 UD	0.340 U	1.7 UD	8.5 UD
2,6-Dinitrotoluene	606-20-2	0.420 U	2.1 UD	11 UD	53 UD	0.420 U	2.1 UD	10 UD
2-Chloronaphthalene	91-58-7	0.390 U	2.0 UD	9.8 UD	49 UD	0.390 U	1.9 UD	9.7 UD
2-Chlorophenol	95-57-8	0.740 U	3.7 UD	19 UD	93 UD	0.730 U	3.7 UD	18 UD
2-Methylnaphthalene	91-57-6	420 E	430 ED	370 D	320 JD	840 E	730 ED	580 D
2-Methylphenol	95-48-7	940 E	1000 ED	810 D	710 JD	8.7 J	15 JD	28 UD
2-Nitroaniline	88-74-4	0.300 U	1.5 UD	7.6 UD	38 UD	0.300 U	1.5 UD	7.5 UD
2-Nitrophenol	88-75-5	0.270 U	1.4 UD	6.8 UD	34 UD	0.270 U	1.3 UD	6.7 UD
3,3-Dichlorobenzidine	91-94-1	1.6 U	8.1 UD	40 UD	200 UD	1.6 U	8.0 UD	40 UD
3+4-Methylphenols	106-44-5	1900 E	2200 ED	2000 D	1500 D	41	5.5 UD	28 UD
3-Nitroaniline	99-09-2	1.1 U	5.3 UD	27 UD	130 UD	1.1 U	5.3 UD	26 UD
4,6-Dinitro-2-methylphenol	534-52-1	1.5 U	7.3 UD	37 UD	180 UD	1.5 U	7.3 UD	36 UD
4-Bromophenyl-phenylether	101-55-3	0.170 U	0.870 UD	4.3 UD	22 UD	0.170 U	0.860 UD	4.3 UD
4-Chloro-3-methylphenol	59-50-7	0.310 U	1.5 UD	7.7 UD	38 UD	0.300 U	1.5 UD	7.6 UD
4-Chloroaniline	106-47-8	4.2 U	21 UD	100 UD	520 UD	4.1 U	21 UD	100 UD
4-Chlorophenyl-phenylether	7005-72-3	0.370 U	1.8 UD	9.2 UD	46 UD	0.370 U	1.8 UD	9.1 UD
4-Nitroaniline	100-01-6	0.850 U	4.2 UD	21 UD	110 UD	0.840 U	4.2 UD	21 UD
4-Nitrophenol	100-02-7	0.960 U	4.8 UD	24 UD	120 UD	0.950 U	4.7 UD	24 UD
Acenaphthene	83-32-9	140 E	130 D	94 JD	30 UD	150 E	130 D	91 JD
Acenaphthylene	208-96-8	0.440 U	2.2 UD	11 UD	55 UD	4.3 J	2.2 UD	11 UD
Acetophenone	98-86-2	0.560 U	2.8 UD	14 UD	70 UD	0.560 U	2.8 UD	14 UD
Anthracene	120-12-7	11	8.8 JD	4.0 UD	20 UD	6.5 J	0.800 UD	4.0 UD
Atrazine	1912-24-9	0.490 U	2.4 UD	12 UD	61 UD	0.480 U	2.4 UD	12 UD
Benzaldehyde	100-52-7	1.8 U	8.8 UD	44 UD	220 UD	1.7 U	8.7 UD	43 UD
Benzo(a)anthracene	56-55-3	0.230 U	1.1 UD	5.7 UD	29 UD	0.230 U	1.1 UD	5.7 UD
Benzo(a)pyrene	50-32-8	0.460 U	2.3 UD	11 UD	57 UD	0.450 U	2.3 UD	11 UD
Benzo(b)fluoranthene	205-99-2	0.240 U	1.2 UD	5.9 UD	30 UD	0.230 U	1.2 UD	5.9 UD
Benzo(g,h,i)perylene	191-24-2	0.430 U	2.2 UD	11 UD	54 UD	0.430 U	2.1 UD	11 UD
Benzo(k)fluoranthene	207-08-9	0.390 U	2.0 UD	9.8 UD	49 UD	0.390 U	1.9 UD	9.7 UD
bis(2-Chloroethoxy)methane	111-91-1	0.450 U	2.2 UD	11 UD	56 UD	0.450 U	2.2 UD	11 UD
bis(2-Chloroethyl)ether	111-44-4	0.330 U	1.7 UD	8.3 UD	42 UD	0.330 U	1.6 UD	8.2 UD
bis(2-Ethylhexyl)phthalate	117-81-7	0.350 U	1.8 UD	8.8 UD	44 UD	0.350 U	1.7 UD	8.7 UD
Butylbenzylphthalate	85-68-7	0.300 U	1.5 UD	7.6 UD	38 UD	0.300 U	1.5 UD	7.5 UD
Caprolactam	105-60-2	0.520 U	2.6 UD	13 UD	65 UD	0.510 U	2.6 UD	13 UD
Carbazole	86-74-8	180 E	140 D	110 JD	39 UD	130 E	89 D	72 JD
Chrysene	218-01-9	0.390 U	2.0 UD	9.8 UD	49 UD	0.390 U	1.9 UD	9.7 UD
Dibenz(a,h)anthracene	53-70-3	0.300 U	1.5 UD	7.4 UD	37 UD	0.290 U	1.5 UD	7.3 UD
Dibenzofuran	132-64-9	120 E	100 D	73 JD	40 UD	120 E	91 D	69 JD
Diethylphthalate	84-66-2	0.350 U	1.7 UD	8.7 UD	43 UD	0.340 U	1.7 UD	8.6 UD
Dimethylphthalate	131-11-3	0.260 U	1.3 UD	6.5 UD	33 UD	0.260 U	1.3 UD	6.5 UD
Di-n-butylphthalate	84-74-2	0.100 U	0.500 UD	2.5 UD	12 UD	0.099 U	0.490 UD	2.5 UD
Di-n-octyl phthalate	117-84-0	0.180 U	0.850 UD	4.4 UD	22 UD	0.170 U	0.870 UD	4.3 UD
Fluoranthene	206-44-0	2.7 J	1.1 UD	5.3 UD	27 UD	1.1 J	1.1 UD	5.3 UD
Fluorene	86-73-7	73	47 JD	46 JD	22 UD	63	43 JD	37 JD
Hexachlorobenzene	118-74-1	0.240 U	1.2 UD	5.9 UD	30 UD	0.230 U	1.2 UD	5.9 UD
Hexachlorobutadiene	87-68-3	0.380 U	1.9 UD	9.6 UD	48 UD	0.380 U	1.9 UD	9.5 UD
Hexachlorocyclopentadiene	77-47-4	0.460 U	2.3 UD	12 UD	58 UD	0.460 U	2.3 UD	11 UD
Hexachloroethane	67-72-1	0.930 U	4.7 UD	23 UD	120 UD	0.920 U	4.6 UD	23 UD
Indeno(1,2,3-cd)pyrene	193-39-5	0.300 U	1.5 UD	7.4 UD	37 UD	0.290 U	1.5 UD	7.3 UD
Isophorone	78-59-1	0.490 U	2.4 UD	12 UD	61 UD	0.480 U	2.4 UD	12 UD
Naphthalene	91-20-3	1600 E	2100 ED	3800 ED	5000 D	2400 E	3000 ED	4900 ED
Nitrobenzene	98-95-3	0.380 U	1.9 UD	9.6 UD	48 UD	0.380 U	1.9 UD	9.5 UD
N-Nitroso-di-n-propylamine	621-64-7	0.780 U	3.9 UD	20 UD	98 UD	0.770 U	3.9 UD	19 UD
N-Nitrosodiphenylamine	86-30-6	0.290 U	1.4 UD	7.2 UD	36 UD	0.280 U	1.4 UD	7.1 UD
Pentachlorophenol	87-86-5	0.400 U	2.0 UD	9.9 UD	50 UD	0.390 U	2.0 UD	9.8 UD
Phenanthrene	85-01-8	58	41 JD	38 JD	35 UD	34	25 JD	6.9 UD
Phenol	108-95-2	1200 E	1200 ED	850 D	810 JD	0.430 U	2.2 UD	11 UD
Pyrene	129-00-0	2.5 J	1.3 UD	6.3 UD	32 UD	0.250 U	1.2 UD	6.2 UD
Total Confident Conc. SVOC		6820.2	7956.8	8635	8720	3890.2	4211	5803
Total TICs		2162	0	0	0	478.7	0	0

Queens West Development
Subsurface Investigation
Semi-Volatile Organic Compounds

Sample ID		A-10-DDL3	A-11	A-11DL	A-13	A-13DL	A-13DL2	EB-1
Lab Sample Number		T1753-04DL3	T1753-08	T1753-08DL	T1778-03	T1778-03DL	T1778-03DL2	T1753-10
Sampling Date		03/01/05	03/02/05	03/02/05	03/03/05	03/03/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		125.0	1.0	5.0	1.0	5.0	50.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #							
1,1-Biphenyl	92-52-4	34 UD	3.7 J	1.4 UD	18	14 JD	14 UD	0.270 U
2,2-oxybis(1-Chloropropane)	108-60-1	100 UD	0.850 U	4.2 UD	0.850 U	4.2 UD	42 UD	0.830 U
2,4,5-Trichlorophenol	95-95-4	73 UD	0.590 U	3.0 UD	0.590 U	3.0 UD	30 UD	0.580 U
2,4,6-Trichlorophenol	88-06-2	36 UD	0.290 U	1.4 UD	0.290 U	1.4 UD	14 UD	0.280 U
2,4-Dichlorophenol	120-83-2	36 UD	0.290 U	1.5 UD	0.290 U	1.5 UD	15 UD	0.290 U
2,4-Dimethylphenol	105-67-9	58 UD	0.470 U	2.4 UD	190 E	210 D	160 JD	0.460 U
2,4-Dinitrophenol	51-28-5	24 UD	0.190 U	0.950 UD	0.190 U	0.950 UD	9.5 UD	0.190 U
2,4-Dinitrotoluene	121-14-2	42 UD	0.340 U	1.7 UD	0.340 U	1.7 UD	17 UD	0.340 U
2,6-Dinitrotoluene	606-20-2	52 UD	0.420 U	2.1 UD	0.420 U	2.1 UD	21 UD	0.410 U
2-Chloronaphthalene	91-58-7	49 UD	1.5 J	2.0 UD	0.390 U	2.0 UD	20 UD	0.390 U
2-Chlorophenol	95-57-8	92 UD	0.740 U	3.7 UD	0.740 U	3.7 UD	37 UD	0.730 U
2-Methylnaphthalene	91-57-6	420 JD	120 E	84 D	120 E	110 D	100 JD	0.500 U
2-Methylphenol	95-48-7	140 UD	1.2 U	5.8 UD	130 E	64 D	58 UD	1.1 U
2-Nitroaniline	88-74-4	38 UD	0.300 U	1.5 UD	0.300 U	1.5 UD	15 UD	0.300 U
2-Nitrophenol	88-75-5	34 UD	0.270 U	1.4 UD	0.270 U	1.4 UD	14 UD	0.270 U
3,3-Dichlorobenzidine	91-94-1	200 UD	1.6 U	8.1 UD	1.6 U	8.1 UD	81 UD	1.6 U
3+4-Methylphenols	106-44-5	140 UD	1.1 U	5.6 UD	100 E	74 D	56 UD	1.1 U
3-Nitroaniline	99-09-2	130 UD	1.1 U	5.3 UD	1.1 U	5.3 UD	53 UD	1.0 U
4,6-Dinitro-2-methylphenol	534-52-1	180 UD	1.5 U	7.3 UD	1.5 U	7.3 UD	73 UD	1.4 U
4-Bromophenyl-phenylether	101-55-3	21 UD	0.170 U	0.870 UD	0.170 U	0.870 UD	8.7 UD	0.170 U
4-Chloro-3-methylphenol	59-50-7	38 UD	0.310 U	1.5 UD	0.310 U	1.5 UD	15 UD	0.300 U
4-Chloroaniline	106-47-8	520 UD	4.2 U	21 UD	4.2 U	21 UD	210 UD	4.1 U
4-Chlorophenyl-phenylether	7005-72-3	46 UD	0.370 U	1.8 UD	0.370 U	1.8 UD	18 UD	0.360 U
4-Nitroaniline	100-01-6	110 UD	0.850 U	4.2 UD	0.850 U	4.2 UD	42 UD	0.830 U
4-Nitrophenol	100-02-7	120 UD	0.960 U	4.8 UD	0.960 U	4.8 UD	48 UD	0.940 U
Acenaphthene	83-32-9	30 UD	8.0 J	6.7 JD	18	14 JD	12 UD	0.240 U
Acenaphthylene	208-96-8	55 UD	2.0 J	2.2 UD	44	33 JD	22 UD	0.430 U
Acetophenone	98-86-2	69 UD	0.560 U	2.8 UD	0.560 U	2.8 UD	28 UD	0.550 U
Anthracene	120-12-7	20 UD	1.2 J	0.810 UD	10 J	8.3 JD	8.1 UD	0.160 U
Atrazine	1912-24-9	60 UD	0.490 U	2.4 UD	0.490 U	2.4 UD	24 UD	0.480 U
Benzaldehyde	100-52-7	220 UD	1.8 U	8.8 UD	1.8 U	8.8 UD	88 UD	1.7 U
Benzo(a)anthracene	56-55-3	28 UD	0.230 U	1.1 UD	0.230 U	1.1 UD	11 UD	0.220 U
Benzo(a)pyrene	50-32-8	56 UD	0.460 U	2.3 UD	0.460 U	2.3 UD	23 UD	0.450 U
Benzo(b)fluoranthene	205-99-2	29 UD	0.240 U	1.2 UD	0.24 U	1.2 UD	12 UD	0.230 U
Benzo(g,h,i)perylene	191-24-2	53 UD	0.430 U	2.2 UD	0.430 U	2.2 UD	22 UD	0.420 U
Benzo(k)fluoranthene	207-08-9	48 UD	0.390 U	2.0 UD	0.390 U	2.0 UD	20 UD	0.380 U
bis(2-Chloroethoxy)methane	111-91-1	56 UD	0.450 U	2.2 UD	0.450 U	2.2 UD	22 UD	0.440 U
bis(2-Chloroethyl)ether	111-44-4	41 UD	0.330 U	1.7 UD	0.330 U	1.7 UD	17 UD	0.330 U
bis(2-Ethylhexyl)phthalate	117-81-7	43 UD	0.350 U	1.8 UD	1.6 J	1.8 UD	18 UD	0.340 U
Butylbenzylphthalate	85-68-7	38 UD	0.300 U	1.5 UD	0.300 U	1.5 UD	15 UD	0.300 U
Caprolactam	105-60-2	64 UD	0.520 U	2.6 UD	0.520 U	2.6 UD	26 UD	0.510 U
Carbazole	86-74-8	39 UD	0.310 U	1.6 UD	150 E	110 D	94 JD	0.310 U
Chrysene	218-01-9	48 UD	0.390 U	2.0 UD	0.390 U	2.0 UD	20 UD	0.380 U
Dibenz(a,h)anthracene	53-70-3	37 UD	0.300 U	1.5 UD	0.300 U	1.5 UD	15 UD	0.290 U
Dibenzofuran	132-64-9	40 UD	0.320 U	1.6 UD	43	35 JD	16 UD	0.310 U
Diethylphthalate	84-66-2	43 UD	0.350 U	1.7 UD	0.350 U	1.7 UD	17 UD	0.340 U
Dimethylphthalate	131-11-3	32 UD	0.260 U	1.3 UD	0.260 U	1.3 UD	13 UD	0.260 U
Di-n-butylphthalate	84-74-2	12 UD	0.100 U	0.500 UD	0.100 U	0.500 UD	5.0 UD	0.098 U
Di-n-octyl phthalate	117-84-0	22 UD	0.180 U	0.880 UD	0.180 U	0.880 UD	8.8 UD	0.170 U
Fluoranthene	206-44-0	26 UD	0.210 U	1.1 UD	4.5 J	1.1 UD	11 UD	0.210 U
Fluorene	86-73-7	22 UD	6.0 J	0.880 UD	34	26 JD	8.8 UD	0.170 U
Hexachlorobenzene	118-74-1	29 UD	0.240 U	1.2 UD	0.240 U	1.2 UD	12 UD	0.230 U
Hexachlorobutadiene	87-68-3	47 UD	0.380 U	1.9 UD	0.380 U	1.9 UD	19 UD	0.380 U
Hexachlorocyclopentadiene	77-47-4	57 UD	0.460 U	2.3 UD	0.460 U	2.3 UD	23 UD	0.450 U
Hexachloroethane	67-72-1	120 UD	0.930 U	4.7 UD	0.930 U	4.7 UD	47 UD	0.910 U
Indeno(1,2,3-cd)pyrene	193-39-5	37 UD	0.300 U	1.5 UD	0.300 U	1.5 UD	15 UD	0.290 U
Isophorone	78-59-1	60 UD	0.490 U	2.4 UD	0.490 U	2.4 UD	24 UD	0.480 U
Naphthalene	91-20-3	8500 D	25	18 JD	1300 E	3300 ED	1500 D	0.270 U
Nitrobenzene	98-95-3	47 UD	0.380 U	1.9 UD	0.380 U	1.9 UD	19 UD	0.380 U
N-Nitroso-di-n-propylamine	621-64-7	97 UD	0.780 U	3.9 UD	0.780 U	3.9 UD	39 UD	0.770 U
N-Nitrosodiphenylamine	86-30-6	35 UD	0.290 U	1.4 UD	0.290 U	1.4 UD	14 UD	0.280 U
Pentachlorophenol	87-86-5	49 UD	0.400 U	2.0 UD	0.400 U	2.0 UD	20 UD	0.390 U
Phenanthrene	85-01-8	35 UD	4.8 J	1.4 UD	58	43 JD	14 UD	0.270 U
Phenol	108-95-2	54 UD	0.440 U	2.2 UD	28	23 JD	22 UD	0.430 U
Pyrene	129-00-0	31 UD	0.250 U	1.3 UD	3.8 J	1.3 UD	13 UD	0.250 U
Total Confident Conc. SVOC		8920	172.2	108.7	2252.9	4064.3	1854	0
Total TICs		0	520.8	0	69.14	0	0	9.8

Queens West Development
Subsurface Investigation
Metals, Cyanide, PCBs

Sample ID		A-1-S	A-2-D	A-2-S	A-3	A-4-D	A-4-S	A-5	A-7
Lab Sample Number		T1778-08	T1778-06	T1778-07	T1753-01	T1778-01	T1778-02	T1753-06	T1753-07
Sampling Date		03/03/05	03/03/05	03/03/05	03/01/05	03/03/05	03/03/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #								
Antimony	7440-36-0	6.600 U	6.600 U	6.600 U	6.600 U	6.600 U	6.600 U	12.2 J	6.600 U
Arsenic	7440-38-2	4.840 U	6.160 J	4.840 U	4.840 U	4.840 U	4.840 U	7.700 J	4.840 U
Beryllium	7440-41-7	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U
Cadmium	7440-43-9	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U
Chromium	7440-47-3	1.220 U	3.720 J	3.240 J	2.430 J	3.450 J	3.000 J	1.220 U	1.220 U
Copper	7440-50-8	26.4	21.5 J	21.3 J	7.960 J	28.5	19.0 J	9.450 J	3.440 J
Lead	7439-92-1	1.790 U	1.790 U	1.790 U	5.910	1.790 U	2.540 J	10.9	4.070 J
Nickel	7440-02-0	5.550 U	5.550 U	5.550 U	5.550 U	5.550 U	5.550 U	7.250 J	5.550 U
Selenium	7782-49-2	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U
Silver	7440-22-4	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U
Thallium	7440-28-0	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U
Zinc	7440-66-6	190	14.8 J	22.1	23.1	31.4	31.7	112	14.5 J
Mercury		0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0700 J	0.0900 J	0.0300 U	0.0300 U

Cyanide			0.010 U	0.010 U	0.010 U				

PCBs									
COMPOUND	CAS #								
Aroclor-1016	12674-11-2	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U
Aroclor-1221	11104-28-2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1232	11141-16-5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1242	53469-21-9	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U
Aroclor-1248	12672-29-6	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
Aroclor-1254	11097-69-1	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1260	11096-82-5	0.0640 U	0.0620 U	0.0620 U	0.0630 U	0.0630 U	0.0630 U	0.0630 U	0.0630 U

Queens West Development

Subsurface Investigation

Metals, Cyanide, PCBs

Sample ID		A-8	A-9	A-10-S	A-10-S-DUP	A-10-D	A-11	A-13	EB-1
Lab Sample Number		T1753-05	T1753-09	T1753-02	T1753-03	T1753-04	T1753-08	T1778-03	T1753-10
Sampling Date		03/02/05	03/02/05	03/01/05	03/01/05	03/01/05	03/02/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #								
Antimony	7440-36-0	1220	6.600 U	6.600 U	6.600 U	6.600 U	6.600 U	6.600 U	6.600 U
Arsenic	7440-38-2	11.8	4.840 U	27.3	30.6	4.840 U	6.170 J	4.840 U	4.840 U
Beryllium	7440-41-7	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U	1.060 U
Cadmium	7440-43-9	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U	0.994 U
Chromium	7440-47-3	91.6	1.220 U	1.220 U	1.510 J	1.220 U	1.220 U	1.220 U	1.220 U
Copper	7440-50-8	6.710 J	4.200 J	11.4 J	10.1 J	4.560 J	5.180 J	26.9	2.520 J
Lead	7439-92-1	6.000	3.420 J	5.660	3.840 J	3.040 J	3.300 J	1.870 J	3.120 J
Nickel	7440-02-0	5.900 J	5.550 U	5.550 U	5.550 U	5.550 U	5.550 U	5.550 U	5.550 U
Selenium	7782-49-2	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U	5.240 U
Silver	7440-22-4	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U	3.380 U
Thallium	7440-28-0	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U	5.780 U
Zinc	7440-66-6	2440	16.7 J	8.110 U	10.7 J	8.110 U	21.8	23.7	10.0 J
Mercury		0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0700 J	0.0300 U

Cyanide				0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U

PCBs									
COMPOUND	CAS #								
Aroclor-1016	12674-11-2	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U	0.130 U
Aroclor-1221	11104-28-2	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1232	11141-16-5	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1242	53469-21-9	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U	0.140 U
Aroclor-1248	12672-29-6	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U
Aroclor-1254	11097-69-1	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aroclor-1260	11096-82-5	0.0620 U	0.0630 U	0.0620 U	0.0640 U	0.0630 U	0.0640 U	0.0630 U	0.0620 U

Queens West Development
Subsurface Investigation
Pesticides

Sample ID		A-1-S	A-2-D	A-2-S	A-3	A-4-D
Lab Sample Number		T1778-08	T1778-06	T1778-07	T1753-01	T1778-01
Sampling Date		03/03/05	03/03/05	03/03/05	03/01/05	03/03/05
Matrix		WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #					
4,4-DDD	72-54-8	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
4,4-DDE	72-55-9	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4-DDT	50-29-3	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Aldrin	309-00-2	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-BHC	319-84-6	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-Chlordane	5103-71-9	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
beta-BHC	319-85-7	0.12 U	0.11 U	0.11 U	0.11 U	0.11 U
delta-BHC	319-86-8	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	60-57-1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	959-98-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan II	33213-65-9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	1031-07-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin	72-20-8	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin aldehyde	7421-93-4	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin ketone	53494-70-5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-BHC	58-89-9	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-Chlordane	5103-74-2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Heptachlor	76-44-8	0.05 U	0.04 U	0.05 U	0.05 U	0.04 U
Heptachlor epoxide	1024-57-3	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Methoxychlor	72-43-5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	8001-35-2	0.12 U	0.12 U	0.12 U	0.12 U	0.11 U

Queens West Development
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Pesticides

Sample ID		A-4-S	A-5	A-7	A-8	A-9	A-10-S
Lab Sample Number		T1778-02	T1753-06	T1753-07	T1753-05	T1753-09	T1753-02
Sampling Date		03/03/05	03/03/05	03/02/05	03/02/05	03/02/05	03/01/05
Matrix		WATER	WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #						
4,4-DDD	72-54-8	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
4,4-DDE	72-55-9	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4-DDT	50-29-3	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Aldrin	309-00-2	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-BHC	319-84-6	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-Chlordane	5103-71-9	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
beta-BHC	319-85-7	0.11 U	0.11 U	0.11 U	0.12 U	0.11 U	0.11 U
delta-BHC	319-86-8	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	60-57-1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	959-98-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan II	33213-65-9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	1031-07-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin	72-20-8	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin aldehyde	7421-93-4	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin ketone	53494-70-5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-BHC	58-89-9	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-Chlordane	5103-74-2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Heptachlor	76-44-8	0.05 U	0.04 U	0.05 U	0.05 U	0.05 U	0.04 U
Heptachlor epoxide	1024-57-3	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Methoxychlor	72-43-5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	8001-35-2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U

Queens West Development
Subsurface Investigation
Pesticides

Sample ID		A-10-S-DUP	A-10-D	A-11	A-13	EB-1
Lab Sample Number		T1753-03	T1753-04	T1753-08	T1778-03	T1753-10
Sampling Date		03/01/05	03/01/05	03/02/05	03/03/05	03/02/05
Matrix		WATER	WATER	WATER	WATER	WATER
Dilution Factor		1.0	1.0	1.0	1.0	1.0
Units		ug/L	ug/L	ug/L	ug/L	ug/L
COMPOUND	CAS #					
4,4-DDD	72-54-8	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
4,4-DDE	72-55-9	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4-DDT	50-29-3	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Aldrin	309-00-2	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-BHC	319-84-6	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
alpha-Chlordane	5103-71-9	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
beta-BHC	319-85-7	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
delta-BHC	319-86-8	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	60-57-1	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan I	959-98-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endosulfan II	33213-65-9	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	1031-07-8	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin	72-20-8	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin aldehyde	7421-93-4	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Endrin ketone	53494-70-5	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-BHC	58-89-9	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
gamma-Chlordane	5103-74-2	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Heptachlor	76-44-8	0.05 U	0.05 U	0.04 U	0.04 U	0.05 U
Heptachlor epoxide	1024-57-3	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
Methoxychlor	72-43-5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	8001-35-2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U

Qualifiers

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

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

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

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

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

NR - Not analyzed

APPENDIX J
APRIL 17 2003 LETTER FROM DEC

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4995 • **FAX:** (718) 482-6358
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

April 17, 2003

Mr. Mark A. Chertok, Esq.
Sive, Paget & Riesel, P.C.
460 Park Avenue
New York, New York 10022-1906

Mr. Laurence M. Ford, P.E., P.P.
Chief Civil Engineer
Design and Construction
Empire State Development Corporation
633 Third Avenue, New York, New York 10017-6754

Mr. Andrew D. Rudko, Ph. D.
Vice-President
AKRF, Inc.
Environmental and Engineering Consultants
117 East 29th Street
New York, N.Y. 10016

Re: Queens West Development site
Parcel 9

Gentlemen:

New York State Department of Environmental Conservation, Division of Environmental Remediation (the Department) has reviewed AKRF's May 21, 2002 letter which contains AKRF's responses to the Department's April 30, 2002 letter which, in turn, commented on the Supplemental Site Assessment Report dated September 21, 2001.

We are writing this letter to inform you of the following:

1) The remedial investigation performed at the referenced site to date substantially addresses the requirements of the Voluntary Cleanup Agreement. The remedial investigation described the nature and extent of contamination in the soil and groundwater on the site, and is presented in the following documents: the Final Environmental Impact Statement for the Hunters Point Waterfront Development Project (June 1990); the Remediation Plan for Queens West Development - Stage I (Revised March 1995), prepared by AKRF, Inc.; the Site Assessment

Report, Queens West Development Site Parcels 8 and 9, Queens, New York (June 1998), prepared by AKRF, Inc.; and the Remediation Work Plan for Parcel 9 (August 1998).

The remedial investigation is hereby approved. The next step in the project is to implement remediation of the site in accordance with the Remediation Work Plan for Parcel 9 (August 1998) which must be amended consistent with the Department's April 30, 2002 letter and AKRF's May 21, 2002 letter.

2) Please note that we disagree with some provisions in your May 21, 2002 letter that pertain to the time frame for implementation of the remedial activities. Specifically:

I. AKRF's response to the Department's comment No. 2 states that "Cleanup of the spill will be completed prior to development on the site, when the other cleanup activities in the work plan are implemented." We are opposed to your intention to postpone remedial activities pertinent to the removal of Light Non-Aqueous Phase Liquid (LNAPL) from the site. The reasons for our opposition are as follows:

a) Given the LNAPL plume migrates laterally with the time, deferment of LNAPL removal is likely to result in a more complex and more expensive remedial activities which will be needed to achieve effective cleanup.

b) Removal of LNAPL may be a fairly lengthy process and its deferment may ultimately lead to a delay in the commencement of the site development for contemplated use. Please note that the Department will not be able to issue a Voluntary Cleanup Program release letter if LNAPL removal process has not been completed. Based on the above, we strongly recommend that you delineate extent of LNAPL contamination and carry out its removal from the site without delay.

II. AKRF's responses to Department's comments No. 2 and 3 contain statements indicating that the remediation of spills No. 0006818 and 9913932 will be implemented in accordance with a work plan approved by DEC (August 1998). However, the aforementioned remediation work plan does not contain any specifics regarding remediation of these spills, investigation of which was completed after the August 1998 Remediation Work Plan was approved. For instance, at the time of approval of the August 1998 Remediation Work Plan no information was available to the Department regarding presence of LNAPL in the monitoring well MW-7A. Based on the above, the Department respectfully requests that Volunteer and AKRF prepare an addendum to the August 1998 Remediation Work Plan. This addendum must contain a scope of additional activities described in the Department's April 30, 2002 and AKRF's May 21, 2002 letters. We can not issue a final approval of the remediation work plan for Parcel 9 until approvable addendum is submitted to the Department.

We look forward to working together to identify and implement a remedy that once completed will help place this site into productive use. If you have any additional questions, please contact me at (718) 482-4891.

Respectfully,

Vadim Brevdo, P. E.
Environmental Engineer

VB/VB

cc: Rachel Shatz (ESDC, Planning and Environmental Review)
Avalon Riverview III, LLC
Amar Nagi (NYSDEC, Region 2)
Daniel Walsh (NYSDEC, Region 2)
Anthony Quartararo (NYSDEC, Albany)
Denise D'Ambrosio (NYSDEC, Tarrytown)
Geoffrey Laccetti (NYSDOH, Albany)
John Olm (NYSDOH, Albany)