DUPLICATE

Dan Raviv Associates, Inc.

Consultants in hydrogeology, environmental sciences and engineering, site investigation/remediation, ISRA and UST compliance

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CASE NO. NJDE981876642

FINAL SOIL REMEDIAL INVESTIGATION REPORT ARSENIC AREA

FORMER CELOTEX INDUSTRIAL PARK EDGEWATER, NEW JERSEY

DRAI JOB NO. 01C2084

prepared for:

Edgewater Enterprises, LLC
525 River Road
Edgewater, New Jersey 07020

Attention: Mr. Scott Heller

prepared by:

Dan Raviv Associates, Inc.
57 East Willow Street
Millburn, New Jersey 07041

July 29, 2002

SDMS Document
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New Jersey Department of Environmental Protection
Division of Responsible Party Site Remediation
Bureau of Case Management
401 East State Street
P.O. Box 028
Trenton, New Jersey 08625-0028

Attn: Mr. Robert Hayton, Case Manager

Re: *Final Soil Remedial Investigation Report – Arsenic Area*
Former Celotex Industrial Park
Edgewater, New Jersey
Case No. NJDE981876642
DRAI Job No. 01C2084

Dear Mr. Hayton:

On behalf of Edgewater Enterprises, LLC, Dan Raviv Associates, Inc. (DRAI) has prepared the attached *Final Soil Remedial Investigation Report* for the Arsenic Area at the above-referenced site. The QA/QC data packages and disks providing results in electronic format are being provided under separate cover.

If you have any questions or need additional information, please call.

Very truly yours,

DAN RAVIV ASSOCIATES, INC.

Peter L. Grogan
Project Manager

Daniel A. Nachman
Senior Project Manager

c: Mr. Bradley Campbell, Commissioner (NJDEP)
Mr. Richard Ho (USEPA) (3 copies)
Mr. Scott Heller (Edgewater Enterprises)
Dennis Toft, Esq. (Wolff & Samson)
Howard Shapiro, Esq. (Solomon & Weinberg)
Mr. Girish Mehta (Prestige Environmental)
Mr. Kevin Orabone (EWMA)

R\2084 Final Soil RIR

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DRAI JOB NO. 01C2084

prepared for:

Edgewater Enterprises, LLC
525 River Road
Edgewater, New Jersey 07020

Attention: Mr. Scott Heller

prepared by:

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July 29, 2002

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CASE NO. NJDE981876642

FINAL SOIL REMEDIAL INVESTIGATION REPORT
ARSENIC AREA

FORMER CELOTEX INDUSTRIAL PARK
EDGEWATER, NEW JERSEY

1.0 INTRODUCTION

On behalf of Edgewater Enterprises, LLC (Edgewater Enterprises), Dan Raviv Associates, Inc. (DRAI) has prepared the following *Final Soil Remedial Investigation Report* (RIR) for the Arsenic Area at the former Celotex Industrial Park (Celotex) in Edgewater, New Jersey (Figure 1). This RIR was prepared in accordance with DRAI's Soil Remedial Investigation Workplan (RIW) dated March 28, 2002. The New Jersey Department of Environmental Protection (NJDEP) approved the plan on April 5, 2002. The QA/QC laboratory data packages and electronic data submission (EDS) deliverables are provided under separate cover.

Since approval of the workplan, several conversations and meetings have occurred between Edgewater Enterprises and the NJDEP. Additionally, various submittals providing soil sampling results during the performance of the RI have been provided to the NJDEP, including a Soil RIR, dated April 12, 2002; a Remedial Action Selection Report (RASR), dated May 1, 2002; a May 1, 2002 letter report detailing results of a test pit (TP-1) excavation; and a May 9, 2002 submittal providing updated figures of soil analytical results, along with separate figures of arsenic and lead concentrations. This Final Soil RIR includes a summation of all the soil data collected at the Celotex site and adjacent areas, which concluded on May 3, 2002.

The Soil RI was conducted to determine the contaminants of concern (COCs) in the upper and lower fill material layers within the Arsenic Area, complete the vertical and horizontal delineation of the COCs, better define subsurface stratigraphic characteristics, and identify potential contaminant migration pathways so that appropriate remedial measures can be evaluated.

One of the principal goals was to delineate the vertical and horizontal extent of high arsenic concentrations detected in soil in the Arsenic Area during previous investigations carried out from 1997 through 2001 by Enviro-Sciences Inc. (ESI) and Environmental Waste Management Associates (EWMA). A delineation guideline of 100 parts per million (ppm) of arsenic was used during the performance of the Soil RI. There are other areas of the site, outside the Arsenic Area, where arsenic concentrations above 100 ppm have been detected. These sporadic arsenic occurrences are related to the fill materials that were brought in over the last century to raise the grade of the site, and their concentrations are below the maximum that the NJDEP has observed in historic fill material. Soil borings were advanced at the Celotex site, and at adjacent off-site locations within River Road (to the west) and at the Quanta site (to the south). The final delineation of arsenic concentrations in soil in and around the Arsenic Area is shown on Figure 2.

The Soil RI also addressed the NJDEP's concerns that the C79 hot-spot excavation activities conducted by EWMA during March 2000 may have impacted the upper fill material, and further evaluated arsenic concentrations in former Test Pit U15. Based on findings during the implementation of the Soil RI, a test pit investigation was conducted to characterize apparent sheens in the vicinity of soil boring SB25.

2.0 PHYSICAL SETTING

2.1 Site Description

The site is located in what was historically an industrial area of Edgewater, New Jersey, along the Hudson River. The Arsenic Area, defined in the recently signed Administrative Consent Order Amendment (ACO Amendment, effective June 21, 2002), as the area within the 100 ppm arsenic contour line, is estimated to encompass approximately 3.4 acres, located in the southwestern portion of the site, adjacent to River Road (Figure 2). The High Concentration Arsenic Area, defined as the area within the 1,000 ppm arsenic contour line, is estimated to encompass approximately 1.2 acres. The Quanta site, which is being evaluated by the United States Environmental Protection Agency (USEPA) for potential inclusion on the Natural Priority List (NPL), is located directly adjacent of the Arsenic Area to the south.

2.2 Geology

The information collected from the soil borings drilled as part of this RIW was evaluated to refine the understanding of subsurface conditions. The boring logs are provided in Appendix A; geologic cross sections are presented on Figures 3, 4, 5, 6 and 7.

Approximately 2 to 13 feet of fill material overlies most of the property; in the on-site portion of the Arsenic Area, the thickness of the upper fill material ranges between approximately 5 and 7 feet. The upper fill material is generally a dark brown sand and silt with rocks, construction and demolition debris-type material such as wood, brick and cement fragments (see EWMA test pit logs, Appendix B). The upper fill is non-indigenous material that was deposited during approximately 1988 to raise the topographic elevation of the site and is not connected to the former site industrial operations, which ceased in the early 1980s.

Approximately 3 to 10 feet of a distinct and older layer of fill material underlies the upper fill material (Figures 3 through 7). The lower fill material generally consists of reddish-purple sand; gray clay with cobbles, brick and cement; black sand and silt with cobbles and gravel; wood and concrete. It is believed that the lower fill material was deposited during the initial development of the site, in the late 1800s and/or earlier 1900s. The lower fill material extends off-site, as opposed to the upper fill material, which is limited to the site.

Native soils, consisting of a meadow mat, sand, and silt layers, underlie the lower fill material (Figures 3 through 7). The native soil layer is approximately 3 feet thick in the eastern portion of the Arsenic Area and approximately 20 feet thick in the western portion of the Arsenic Area. The primary water-bearing unit within the native material is the sand layer, which is separated from the overlying fill by the meadow mat layer. The meadow mat layer pinches out to the east; east-west cross sections shown on Figures 3, 4, 5 and 7 show it is absent to the east of the Arsenic Area. Geologic logs of monitoring wells drilled by ESI and EWMA north and east of the Arsenic Area do not show the presence of the meadow mat; at these locations the fill apparently directly overlies native sand.

The native soils extend to bedrock, which occurs from 14 to 35 feet below grade (ft bg) in and around the Arsenic Area. The top of the bedrock rises from the western to the eastern portion of the area investigated, and then descends from the eastern edge of the Arsenic Area toward the Hudson River. A bedrock surface contour map for the Arsenic Area is shown on Figure 8. Geotechnical borings drilled by Melick Tully in 1999 (Appendix C) indicated bedrock at depths

of 77 to 125 ft bg near the river. At these locations the shallow fill and native sand (where present; at some borings near the river the upper native sand is absent) are underlain by a continuous silt layer that is approximately 40 to 75 feet thick. This silt layer forms an effective confining layer between the fill and/or the shallow sand and a lower sand unit that occurs between the silt and the top of bedrock under the eastern portion of the site.

2.3 Hydrogeology

Ground water occurs under the site at depths ranging from 8 to 18 feet below grade. In general, ground water flows to the east and northeast. There is a slight upward component to ground water flow from the bedrock to the overburden, as evidenced by a comparison of water levels in bedrock well P-1 and adjacent shallow well MW-31.

3.0 FIELD INVESTIGATIONS

All work was conducted in accordance with the NJDEP's *Technical Requirements for Site Remediation* (TRSR). All analytical data generated during the soil RI are shown on Figure 9.

3.1 Soil Borings

Due to the presence of cobbles, coarse gravel and demolition debris in the fill material, an air rotary drilling rig was used to advance the borings. A site map showing all borings drilled is provided on Figure 2. Soil sampling was conducted in accordance with the TRSR, Section 3.4. Soil cores were collected using a 2-foot long, 2-inch diameter split spoon. All soil samples submitted for laboratory analysis were collected from a discrete 6-inch interval obtained from the 2-foot soil core. Each boring was logged in accordance with the TRSR, Section 3.6(a)2.i. and ii.

The ground surface at each boring location was surveyed and the elevation of each sample was determined relative to an on-site benchmark. The ground surface in the Arsenic Area has not been significantly altered since the EWMA test pit investigation was conducted in 2000.

3.1.1 Characterization Sampling

Soil samples were collected to characterize the upper and lower fill material and determine the COCs in each fill layer. For the upper fill material, two samples were collected at 1.5 to 2.0 and 3.5 to 4.0 feet below grade (ft bg) from each of borings C3-4, C3-5, C3-6, C3-10, C3-14, C3-15, C3-18 and C3-19 (Figure 8). The upper fill material does not extend off-site; therefore, samples from the upper fill material could only be collected from on-site borings.

Each sample was analyzed for arsenic and lead, and the sample from each boring with the highest arsenic concentration was additionally analyzed for Target Compound List/Target Analyte List+30 (TCL/TAL+30). Therefore, eight soil samples from the upper fill material were analyzed for TCL/TAL+30, in accordance with the NJDEP-approved RIW.

Based on the results of the laboratory analysis (Tables I through VI), the COCs above the NJDEP's Restricted Use Soil Cleanup Criteria (RSCC) in the upper fill material are arsenic, lead and PAHs. The PAHs are primarily associated with Historic Fill. Copper, zinc, and thallium were sporadically detected in the upper fill material above RSCC and are considered to be secondary COCs. Mercury and selenium were detected above the Unrestricted Use Soil Cleanup Criteria (USCC) but not above the RSCC.

For the lower fill material, one sample was collected from each of the on-site borings C3-4, C3-5, C3-6, C3-10, C3-14, C3-15, C3-18, C3-19. Additionally, four borings, B10-0, B11-0, SB21 and B18-0, were drilled off-site at the Quanta site (Figure 2). The samples were collected from the interval with the highest arsenic concentration determined during the previous test pit and boring investigation. For example, at boring C3-6, a sample was collected from 13.5 to 14 ft bg, to correspond with the highest arsenic concentration detected during the previous test pit investigation. Each characterization sample collected from the lower fill material was analyzed for TCL/TAL+30. Therefore, twelve soil samples from the lower fill material were analyzed for TCL/TAL+30, as per the NJDEP-approved RIW.

The primary contaminants of COCs above RSCC in the lower fill material on-site are arsenic, lead and PAHs. The PAHs are primarily associated with Historic Fill. Antimony, copper,

thallium and benzene are the secondary COCs above RSCC. Mercury and selenium were detected above the USCC but not above the RSCC.

The results of the TCL/TAL+30 analysis determined the COCs in the Arsenic Area. As discussed above, the site is underlain by two distinct layers of fill material. Both the upper and lower fill material meets the definition of historic fill material in the TRSR, Section 1.8, and contaminants associated with historic fill material (listed in Table 4-2 of the TRSR) were detected (primarily PAHs). As proposed in the NJDEP-approved RIW, all historic fill material contaminants detected at concentrations less than the maximum concentrations listed in Table 4-2 of the TRSR are excluded from the list of Arsenic Area COCs, with the exception of arsenic and lead.

At the Quanta site, the upper fill material is not present. The primary COCs above RSCC in the lower fill at Quanta are arsenic, lead, thallium and PAHs, with copper and antimony secondary COCs.

3.1.2 Characterization and Delineation Criteria

Soil samples were collected to horizontally and vertically delineate the Arsenic Area COCs determined by the results of the characterization sampling. In accordance with the TRSR, Section 4.1(b), all other COCs associated with the Arsenic Area detected in the on-site portion of the Arsenic Area were delineated to the NJDEP's RSSC or the Impact to Ground Water Soil Cleanup Criteria (IGWSCC), whichever is lower, where possible. At several locations, impacted soils are present to the top of bedrock. A delineation guideline of 100 parts per million (ppm) of arsenic was utilized for on-site activities.

3.1.3 Vertical Delineation

Soil samples were collected from eight borings to determine the vertical extent of the COCs in the Arsenic Area. The vertical delineation sampling was conducted at borings C3-4, C3-5, C3-6, C3-10, C3-14, C3-15, C3-18 and C3-19 (Figure 2). Additional off-site vertical delineation at the Quanta site was performed by drilling four borings; these were B10-0, B11-0, SB21 and B18-0. The 12 locations were chosen to correspond with previous soil samples with either the highest arsenic concentration, such as boring B11-0; the deepest arsenic concentration, such as boring C3-5; or where an increasing trend of arsenic concentrations appears to exist, such as boring C3-18. Therefore, the vertical delineation sampling was conducted to provide the data necessary to determine the depths of the COCs.

Where previous analytical data indicated that arsenic extended to a depth of at least 9 ft bg or below, soil sampling for vertical delineation began at 15 ft bg. Where arsenic was shown to extend to a depth greater than at least 14 feet below surface, soil sampling for vertical delineation began at 20 ft bg.

For example, at test pit C3-19, arsenic was shown to extend to at least 8 ft bg. Therefore, at boring C3-19, the initial delineation sample was collected from a depth between 15 and 17 ft bg. At test pit C3-5, arsenic was shown to extend to at least 16 ft bg. Therefore, at boring C3-5, the initial delineation sample was collected from a depth between 20 and 22 ft bg.

A split-spoon was used to collect a 2-foot soil core from each sampling interval. The soil core was visually inspected and screened with a photoionization detector (PID) for the presence of

contamination. A soil sample was collected from the 6-inch interval of soil that was suspected of being the most contaminated. If there was no indication of contamination, a soil sample was collected from the upper 6-inch interval for laboratory analysis (e.g., 15 to 15.5 feet in the 15 to 17 feet core; 20 to 20.5 feet in the 20 to 22 feet core, etc.)

Following collection of the initial delineation sample, the vertical delineation boring was advanced in 5-foot intervals, and the sampling procedure described above was conducted at each 5-foot interval until bedrock was encountered. The deeper samples were archived at the laboratory pending receipt of the initial vertical delineation sample results.

The initial vertical delineation soil sample from each vertical delineation boring was analyzed for the COCs in the lower fill material. At each boring, the next deeper sample was analyzed for any COC detected above the applicable delineation standard.

3.1.4 Horizontal Delineation

Horizontal delineation samples have been collected from 38 borings (SB1 to SB39, excluding vertical delineation boring SB21, Figure 2). The purpose of these borings was to determine the horizontal extent of the Arsenic Area COCs and evaluate subsurface conditions at the adjacent Quanta site. Each horizontal delineation sample was analyzed for the COCs detected in the nearest characterization sample. Three of these borings (SB18, SB19 and SB20) were drilled beneath River Road, and six borings (SB12 through SB17) were advanced on the adjacent Quanta site.

The horizontal delineation sampling was dependant on the results of the characterization samples. Horizontal delineation samples were collected for the upper fill material COCs from the depth corresponding to the elevation of the characterization sample. In the event that no COCs were detected in the upper fill material, delineation sampling was not necessary. For the lower fill material, two samples were collected from each horizontal delineation boring.

At each horizontal delineation soil boring, one soil sample was collected at the depth corresponding to the elevation of the sample containing the highest arsenic concentration in the closest vertical delineation soil boring. For example, the vertical delineation sampling confirmed that the highest arsenic concentration at boring C3-18 was at 13.5 to 14 ft bg; therefore, a sample was collected at the same elevation from the corresponding horizontal delineation soil boring SB6 (Figure 2).

A second soil sample was collected from each horizontal delineation soil boring at the 6-inch interval above the clean zone determined in the vertical delineation soil boring. For example, the vertical delineation sampling determined that contamination in boring C3-15 extends downward to 22.5 to 23 ft bg (elevation –10 to –10.5); therefore, a sample was collected from horizontal delineation boring SB5 at the elevation corresponding to 22.9 to 23.4 ft bg (elevation –9.5 to –10) (Figure 2).

3.2 C79 Hot-Spot Excavation

Four soil samples were collected and analyzed to address the NJDEP's concern that the C79 hot-spot excavation activities previously conducted by EWMA may have impacted the upper fill material in the Arsenic Area. The four soil samples were collected from four locations in the

area surrounding the C79 hot-spot excavation for arsenic and lead analysis (Figure 2). Soil samples were collected from a discrete 6-inch interval from 0.5 to 1.0 ft bg.

3.3 Test Pit U15

A soil sample collected during February 2002 from 10 to 11 ft bg in Test Pit U15 indicated an arsenic concentration of 1,100 ppm (Figure 2). Due to QA/QC issues associated with the sample, the NJDEP required further evaluation of soils from this test pit. Three additional samples, at depths of 9.0-9.5 ft bg, 10.0-10.5 ft bg and 12.0-12.5 bg, were collected and analyzed for arsenic and lead.

3.4 Test Pit TP-1

Based on drilling activities conducted by DRAI during the RI of the Arsenic Area, apparent sheens were observed at the water table in several borings, most noticeably boring SB25. Previous investigations by EWMA identified product in test pits C3-1, C3-2 and C3-4 during investigative activities in June 2000.

The location of boring SB25 is within the footprint of proposed Building 400. To evaluate subsurface conditions regarding the planned construction of the building, a test pit was excavated under the observation of DRAI and the NJDEP on April 12, 2002. A letter report summarizing these activities was submitted to the NJDEP on May 1, 2001.

Soil samples were collected from both black silt (TP-1/7.0-7.5) and meadow mat (TP-1/10.0-10.5) and analyzed for TAL/TCL+30. Additionally, a water sample from the black silty soils was collected and submitted for fingerprint analysis. A fourth water sample was collected and archived by DRAI. Following the collection of the soil samples, the excavation was backfilled with new fill from on-site and segregated soils from the upper 5 feet from the test pit.

3.5 Product Observations in Off-site Borings

During the performance of RI activities off-site of Celotex, the presence of product was observed. In all three borings drilled beneath River Road (SB18, SB19 and SB20), staining, sheens and odors were present. Product was detected in borings SB19 at a depth of approximately 26 ft bg. At the Quanta site, product was detected in boring SB16 at approximately 9 ft bg and in boring SB17 at approximately 20 ft bg.

4.0 SAMPLE RESULTS

4.1 Arsenic Area - Celotex Site

The RI determined that the primary COCs above RSCC in the upper fill material in the Arsenic Area are arsenic, lead and PAHs. Copper, zinc and thallium have been sporadically detected in the upper fill material above RSCC and are considered to be secondary COCs. The primary COCs in the lower fill material above RSCC are arsenic, lead and PAHs. The PAHs in both the upper and lower fill occur at concentrations above the RSCC, but within the concentrations that the NJDEP has determined to be characteristic of Historic Fill. Antimony, copper, thallium and benzene are the secondary contaminants of concern. For both the upper and lower fill, mercury and selenium were detected above USCC but below RSCC. Based on the analytical data, the vertical extent of the contaminant concentrations above the applicable delineation guidelines extends at some locations to the top of bedrock, at a maximum depth of 22 ft bg.

The extent of the on-site arsenic concentrations above 1,000 ppm has been determined as shown on Figure 2. The extent of arsenic concentrations above 100 ppm and 1,000 ppm has been interpolated through the use of all new data and results from previous investigations. The vertical extent of arsenic concentrations above 1,000 ppm is shown on the cross sections (Figures 4 through 7). In general, detections of arsenic over 1,000 ppm were confined to the lower fill and meadow mat layers; in a few instances exceedances of 1,000 ppm occurred in the uppermost part of the native sand layer. Arsenic concentrations over 100 ppm extend into the native sand and in some cases into the silty clay that directly overlies bedrock.

Benzene was detected above the SCC of 1 ppm in only two borings, C3-6 and SB-19, at concentrations ranging between 1.21 to 2.01 ppm, slightly above its IGWSCC of 1 ppm. Naphthalene concentrations above the IGWSCC were detected in only three borings, C3-4, C3-5 and SB-20 (Figure 2). Naphthalene is not on the NJDEP's database of historic fill material contaminants, and therefore the PAHs detected in these borings are not considered to be completely associated with historic fill material. However, the PAH concentrations in all remaining borings are within the maximum concentrations of historic fill material contaminants and therefore appear to be related to the historic fill material.

The investigation in the upper fill surrounding the C-79 excavation detected arsenic and lead above the applicable delineation standard in one sample; however, the concentrations are within the range of arsenic and lead concentrations found elsewhere in the upper fill material. Therefore, the sampling results demonstrate that the C79 hot-spot excavation activities conducted during March 2000 did not impact the upper fill material.

Results of the additional sampling collected at the location of former test pit U15 indicated arsenic concentrations slightly above 100 ppm, as compared with the previous sampling result of 1,100 ppm for one sample from this test pit.

For the test pit TP-1 sampling, results from TP-1/7.0-7.5 ft bg indicated comparable results as observed during the RI. Arsenic was detected at a concentration of 215 ppm, lead at 2,070 ppm and thallium at 2.79 ppm. Concentrations of PAHs were in the low ppm values, similar to what was detected in adjacent soil borings. Additional analysis of petroleum hydrocarbons (PHCs) indicated a value of 899 ppm, far below the NJDEP cleanup criterion of 10,000 ppm. All other

compounds analyzed were below the NJDEP SCC. For sample TP-1/10.0-10.5, no compounds were detected above NJDEP SCC.

More details on the TP-1 test pit are provided in a letter report dated May 1, 2002. In a letter dated June 13, 2002 from New Jersey Deputy Attorney General to Edgewater's counsel, Edgewater was informed that the NJDEP agreed that no further investigation or remediation was required for the TP-1 test pit area.

The arsenic hot spot was remediated from July 1 through 3, 2002 under the observation of DRAI and the NJDEP, pursuant to a revised workplan submitted by DRAI on June 21, 2002. A volume of soil was removed for off-site disposal from a depth of 5 to 12 ft bg, and from a 12 ft by 16 ft area centered on boring SB-34. Additional post-excavation samples showed arsenic concentrations less than 1,000 ppm. A report on the hot spot excavation will be submitted in August 2002.

4.2 River Road

Results from the three borings (SB-18, SB-19 and SB-20) collected within River Road indicated PAHs at concentrations below the Historic Fill maximums. In borings SB-18 and SB-19, arsenic and lead were detected below USCC of 20 and 400 ppm, respectively; in boring SB-20 arsenic was detected at concentrations (from top to bottom) of 789, 64 and 8 ppm, and lead was detected at concentrations of 675, 35 and 6 ppm. All arsenic and lead concentrations detected in boring SB-20 are below the Historic Fill maximums. Benzene was detected above IGWSCC of 1 ppm at SB-19 (1.21 ppm), at a depth of approximately 10 ft bg. As discussed in Section 3.5, the presence of sheens were observed in all three borings.

4.3 Quanta Site

As noted previously, the upper fill material is not present at the Quanta site. Results from the ten borings drilled at the Quanta site indicate that the primary COCs above RSCC in the lower fill are arsenic, lead, thallium, and PAHs, with copper and antimony secondary COCs. Arsenic was detected at concentrations ranging from below the USCC to 35,100 ppm; lead from below USCC to 3,490 ppm; thallium from below USCC to 88.3 ppm; copper from below USCC to 4,990 ppm; and antimony from not detected to 17 ppm. PAH results are above RSCC, with nine of the ten borings (excluding SB15) having results below Historic Fill maximums. As discussed in Section 3.5, product was detected in boring SB16 at approximately 9 ft bg and in boring SB17 at approximately 20 ft bg.

Evaluation of soil conditions at the Quanta site near the Celotex property boundary was conducted by Edgewater Enterprises at the direction of the NJDEP. Further investigation of the Quanta site will be performed under the oversight of the USEPA.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions can be made from the RI:

(1) The primary COCs in the upper fill material above RSCC are arsenic, lead and PAHs. Copper, zinc and thallium have been sporadically detected in the upper fill material and are considered to be secondary contaminants of concern.

(2) The primary COCs above RSCC in the lower fill material are arsenic, lead and PAHs. The PAHs in the upper and lower fill occur at concentrations below Historic Fill maximums. Antimony, copper, thallium and benzene are the secondary contaminants of concern.

(3) The horizontal and vertical extent of arsenic over 1,000 ppm has been fully delineated on-site. The extent of arsenic concentrations on-site over 100 ppm has been delineated or extrapolated; arsenic concentrations between 100 and 1,000 ppm occur sporadically throughout the site, outside of the Arsenic Area; these arsenic concentrations are intrinsic to the fill used to raise the site over 100 years ago.

(4) Arsenic at concentrations over 1,000 ppm and other site COCs occur on the Quanta site. Product was encountered in borings drilled on the Quanta site. The Quanta site will be further characterized under the oversight of the USEPA.

(5) The arsenic hot spot that occurred in the footprint of the 400 building has been excavated; a report will be submitted in August 2002.

FIGURES

CENTRAL PARK QUADRANGLE, N.Y.–N.J.
1966
PHOTOREVISED 1979
7.5 MINUTE SERIES (Topographic)

0 2000 FT.
APPROXIMATE SCALE

N

QUADRANGLE LOCATION

Dan Raviv Associates, Inc.
57 E. Willow Street Millburn, NJ 07041

SITE LOCATION

Former Celotex Industrial Park – Edgewater, NJ	
PREPARED BY: RKH/ODL	DATE: APRIL 2002
JOB NO.: 01C2084	FIGURE: 1

2084SLM –04/11/02

304834

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ARSENIC CONCENTRATIONS IN SOIL
HIGH CONCENTRATION ARSENIC AREA AND ARSENIC AREA

Former Celotex Industrial Park - Edgewater, NJ

PREPARED BY: PG/LB	DATE: JULY 2002
JOB NO.: 01C2084	FIGURE: 2

2084-24 -07/25/02

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CROSS-SECTION THROUGH ARSENIC AREA
A–A'

FORMER CELOTEX INDUSTRIAL SITE – EDGEWATER, NJ

PREPARED BY: PG/ODL	DATE: JUNE 2002
JOB NO.: 01C2084	FIGURE: 3

2084-6A1 -07/24/02

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CROSS-SECTION THROUGH ARSENIC AREA
B-B'

FORMER CELOTEX INDUSTRIAL SITE – EDGEWATER, NJ

PREPARED BY: PG/ODL	DATE: JUNE 2002
JOB NO.: 01C2084	FIGURE: 4

2084-6B1A -07/24/02

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CROSS-SECTION THROUGH ARSENIC AREA
C-C' AND F-F'

FORMER CELOTEX INDUSTRIAL SITE – EDGEWATER, NJ

PREPARED BY: PG/ODL	DATE: JUNE 2002
JOB NO.: 01C2084	FIGURE: 5

2084-6C1 -07/24/02

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CROSS-SECTION THROUGH ARSENIC AREA
D-D' AND E-E'

FORMER CELOTEX INDUSTRIAL SITE - EDGEWATER, NJ

PREPARED BY: PG/ODL	DATE: JUNE 2002
JOB NO.: 01C2084	FIGURE: 6

2084-6DA1 -07/24/02

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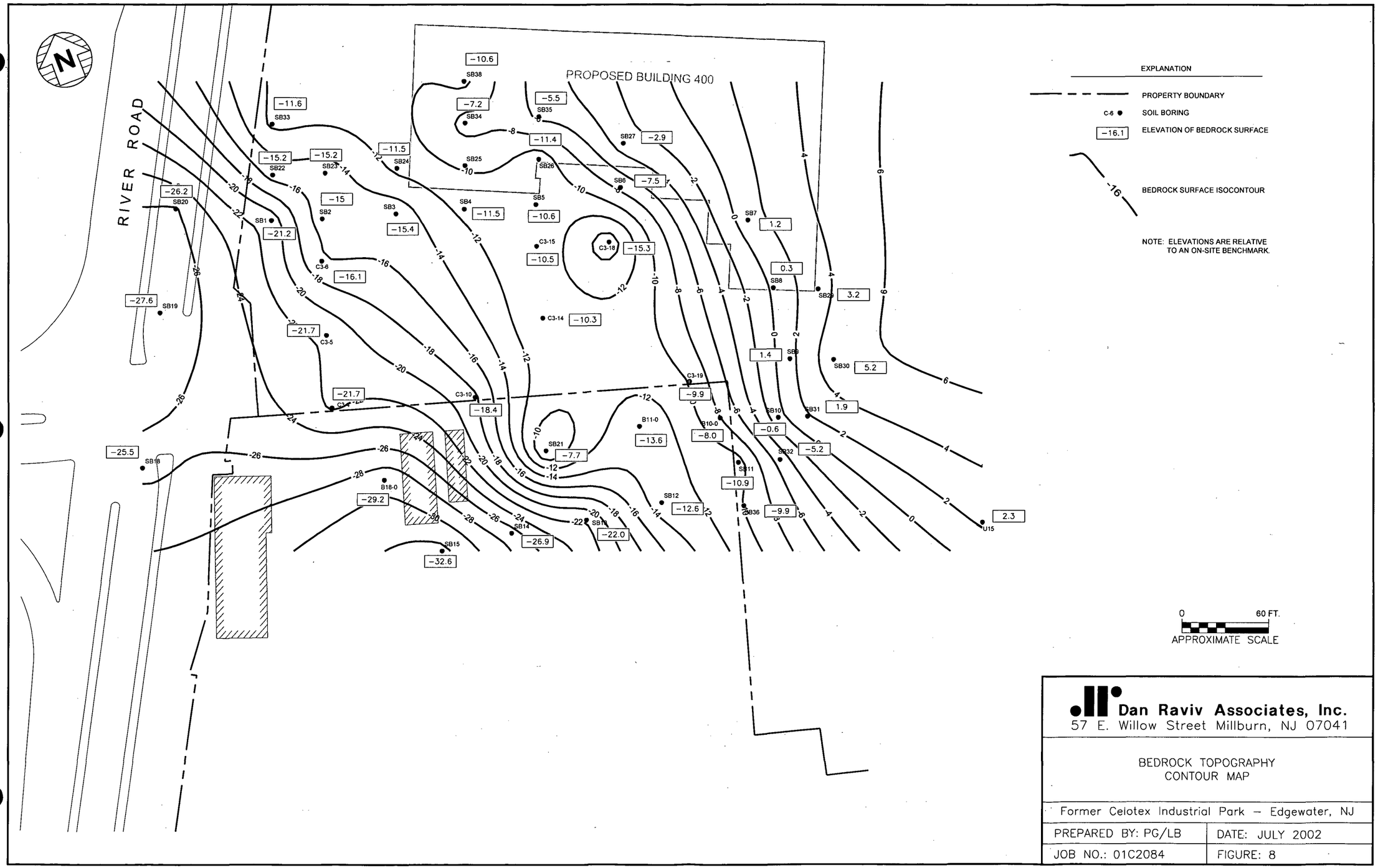
CROSS-SECTION THROUGH ARSENIC AREA
G-G'

FORMER CELOTEX INDUSTRIAL SITE - EDGEWATER, NJ

PREPARED BY: PG/ODL	DATE: JUNE 2002
JOB NO.: 01C2084-Q	FIGURE: 7

2084-6G1 -07/24/02

304840



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BEDROCK TOPOGRAPHY
CONTOUR MAP

Former Celotex Industrial Park – Edgewater, NJ

PREPARED BY: PG/LB	DATE: JULY 2002
JOB NO.: 01C2084	FIGURE: 8

2084-21 -07/24/02

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SOIL ANALYTICAL RESULTS
ARSENIC AREA

Former Celotex Industrial Park - Edgewater, NJ

PREPARED BY: KG/LB	DATE: JULY 2002
JOB NO.: 01C2084	FIGURE: 9

2084-16 -07/30/02

304842

TABLES

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C3(4)	C3(4)	C3(4)	C3(4)	C3(5)	C3(5)	C3(5)	C3(5)
		Sample Depth:	1.5-2	3.5-4	14.5-15	20-20.5	1.5-2	3.5-4	10-10.5	14.5-15
		Elevation:	10.8-10.3	8.8-8.3	-2.2 to -2.7	-7.7 to -8.2	10.8-10.3	8.8-8.3	2.3-1.8	-2.2 to -2.7
		Lab ID:	2140-002	2140-003	2140-004	2077-008	2140-005	2140-006	2077-003	2077-004
		Date Sampled:	03/26/2002	03/26/2002	03/26/2002	03/22/2002	03/26/2002	03/26/2002	03/22/2002	03/22/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	8360	1440	NA	17900	NA	175	9600
Antimony	***14***	***340***	ND	3.41	**67.6**	ND	ND	NA	**59.5**	**37.5**
Arsenic	***20***	***100****	**50.3**	**252**	**931**	4.47	**88.7**	**39.5**	**732**	**3600**
Barium	***700***	***47000***	NA	212	181	NA	89.4	NA	170	239
Beryllium	***2***	***2***	NA	ND	ND	NA	0.671	NA	ND	ND
Cadmium	***39***	***100***	NA	0.812	1.88	NA	ND	NA	1.55	1.04
Calcium	~	~	NA	4510	940	NA	5360	NA	333	3020
Chromium	~	~	NA	18.2	6.57	NA	53.4	NA	ND	20.8
Cobalt	~	~	NA	10.2	15.6	NA	15.8	NA	38.8	14.2
Copper	***600***	***600***	72.1	205	**1590**	12.6	59.2	NA	**943**	**851**
Iron	~	~	NA	22000	15000	NA	25500	NA	12100	30400
Lead	***400***	***600***	306	**979**	**6700**	7.99	269	132	**4130**	**8910**
Magnesium	~	~	NA	4610	237	NA	8020	NA	81.6	2430
Manganese	~	~	NA	189	22.8	NA	496	NA	15.0	282
Mercury	***14***	***270***	0.755	3.22	2.78	ND	2.46	NA	**20.8**	**20.1**
Nickel	***250***	***2400***	NA	13.9	4.26	NA	25.4	NA	2.75	18.4
Potassium	~	~	NA	1020	737	NA	1290	NA	63.6	1840
Selenium	***63***	***3100***	2.53	6.34	29.8	ND	ND	NA	34.4	41.7
Silver	***110***	***4100***	NA	1.73	12.9	NA	ND	NA	9.67	7.20
Sodium	~	~	NA	727	512	NA	433	NA	126	762
Thallium	***2***	***2***	0.450	**3.32**	**2.05**	ND	0.280	NA	ND	**4.51**
Vanadium	***370***	***7100***	NA	49.3	4.39	NA	47.5	NA	ND	24.6
Zinc	***1500***	***1500***	NA	171	546	NA	103	NA	1080	409

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C3(5)	C3(6)	C3(6)	C3(6)	C3(6)	C3(6)	C3(10)	C3(10)
		Sample Depth:	20-20.5	1.5-2	3.5-4	13.5-14	15.0-15.5	21.5-22.0	1-1.5	3.5-4
		Elevation:	-7.7 to -8.2	10.4 to 9.9	8.4 to 7.9	- 1.6 to -2.1	-3.1 to -3.6	-9.6 to -10.1	12.1 to 11.6	9.6 to 9.1
		Lab ID:	2077-005	2140-007	2140-008	2140-009	2035-005	2035-006	2113-001	2113-002
		Date Sampled:	03/22/2002	03/26/2002	03/26/2002	03/26/2002	03/21/2002	03/21/2002	03/25/2002	03/25/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	17200	6580	NA	NA	9960	NA
Antimony	***14***	***340***	ND	NA	ND	ND	10.7	ND	ND	NA
Arsenic	***20***	***100****	**28.6**	**167**	**449**	**6550**	**1450**	10.8	6.69	6.33
Barium	***700***	***47000***	NA	NA	108	150	NA	NA	54.1	NA
Beryllium	***2***	***2***	NA	NA	ND	ND	NA	NA	0.625	NA
Cadmium	***39***	***100***	NA	NA	ND	2.62	NA	NA	ND	NA
Calcium	~	~	NA	NA	7560	7640	NA	NA	8010	NA
Chromium	~	~	NA	NA	55.8	35.4	NA	NA	26.4	NA
Cobalt	~	~	NA	NA	18.7	9.78	NA	NA	9.03	NA
Copper	***600***	***600***	21.6	NA	108	453	**727**	20.3	39	NA
Iron	~	~	NA	NA	25200	12600	NA	NA	18500	NA
Lead	***400***	***600***	59.9	**694**	**1030**	**695**	**3210**	22.2	81.2	58.8
Magnesium	~	~	NA	NA	10300	1060	NA	NA	4330	NA
Manganese	~	~	NA	NA	501	62.7	NA	NA	241	NA
Mercury	***14***	***270***	0.089	NA	2.46	5.19	11.2	ND	0.816	NA
Nickel	***250***	***2400***	NA	NA	32.5	16.6	NA	NA	17.6	NA
Potassium	~	~	NA	NA	1550	2480	NA	NA	2030	NA
Selenium	***63***	***3100***	ND	NA	2.82	5.86	13.8	ND	4.38	NA
Silver	***110***	***4100***	NA	NA	ND	1.52	NA	NA	0.571	NA
Sodium	~	~	NA	NA	675	686	NA	NA	392	NA
Thallium	***2***	***2***	ND	NA	**2.05**	**6.53**	**11.9**	0.119	0.516	NA
Vanadium	***370***	***7100***	NA	NA	43.6	36.7	NA	NA	23.2	NA
Zinc	***1500***	***1500***	NA	NA	107	387	NA	NA	43.1	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C3(10)	C3(10)	C3(10)	C3(10)	C3(14)	C3(14)	C3(14)	C3(14)
		Sample Depth:	7.5-8	15-15.5	20-20.5	25-25.5	1.5-2	3.5-4.0	8.5-9	16.5-17.0
		Elevation:	5.6 to 5.1	-1.9 to -2.4	-6.9 to -7.4	-11.9 to -12.4	11.2 to 10.7	9.2 to 8.7	4.2 to 3.7	-3.8 to -4.3
		Lab ID:	2113-003	2113-004	2113-005	2113-006	2113-018	2113-019	2113-020	2035-001
		Date Sampled:	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/20/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	13400	NA	NA	NA	12900	NA	12600	NA
Antimony	***14***	***340***	4.95	48.7	NA	NA	ND	NA	3.11	1.90
Arsenic	***20***	***100****	**686**	**5360**	**721**	**52.3**	**65.1**	7.9	**79.8**	**134**
Barium	***700***	***47000***	141	NA	NA	NA	78.3	NA	77	NA
Beryllium	***2***	***2***	ND	NA	NA	NA	0.896	NA	ND	NA
Cadmium	***39***	***100***	0.887	NA	NA	NA	ND	NA	0.416	NA
Calcium	~	~	15900	NA	NA	NA	7500	NA	7600	NA
Chromium	~	~	55.9	NA	NA	NA	25.6	NA	55.1	NA
Cobalt	~	~	10.6	NA	NA	NA	9.36	NA	16.4	NA
Copper	***600***	***600***	261	**1190**	NA	34.8	46.6	NA	84.8	49.7
Iron	~	~	24000	NA	NA	NA	22600	NA	18000	NA
Lead	***400***	***600***	**1940**	**421**	NA	NA	**475**	59.7	**1980**	76.9
Magnesium	~	~	5040	NA	NA	NA	4590	NA	6630	NA
Manganese	~	~	319	NA	NA	NA	306	NA	285	NA
Mercury	***14***	***270***	11.4	0.312	NA	NA	2.57	NA	7.99	0.197
Nickel	***250***	***2400***	33.1	NA	NA	NA	17.4	NA	29.3	NA
Potassium	~	~	1280	NA	NA	NA	2610	NA	882	NA
Selenium	***63***	***3100***	10.9	ND	NA	NA	5.54	NA	20.5	ND
Silver	***110***	***4100***	2.10	NA	NA	NA	0.802	NA	ND	NA
Sodium	~	~	1090	NA	NA	NA	253	NA	939	NA
Thallium	***2***	***2***	**19.3**	**88.7**	NA	0.610	0.669	NA	0.394	1.16
Vanadium	***370***	***7100***	31.5	NA	NA	NA	25.2	NA	35.7	NA
Zinc	***1500***	***1500***	88.9	NA	NA	NA	44.7	NA	60.0	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C3(14)	C3(15)	C3(15)	C3(15)	C3(15)	C3(15)	C3(18)	C3(18)
		Sample Depth:	21.5-22.0	1.5-2	3.5-4	10.5-11	20-20.5	22.5-23	1.5-2	3.5-4
		Elevation:	-8.8 to -9.3	11.0 to 10.5	9.0 to 8.5	2.0 to 1.5	-7.5 to -8.0	-10 to -10.5	11.2 to 10.7	9.2 to 8.7
		Lab ID:	2035-002	2113-015	2113-016	2113-017	1998-004	1998-005	2113-008	2113-009
		Date Sampled:	03/21/2002	03/25/2002	03/25/2002	03/25/2002	03/20/2002	03/20/2002	03/25/2002	03/25/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	10600	NA	6550	NA	NA	7940	NA
Antimony	***14***	***340***	ND	9.63	NA	**26.4**	NA	ND	4.57	NA
Arsenic	***20***	***100****	**326**	**286**	**360**	**532**	**206**	**34.0**	**584**	**526**
Barium	***700***	***47000***	NA	133	NA	222	NA	NA	129	NA
Beryllium	***2***	***2***	NA	ND	NA	ND	NA	NA	ND	NA
Cadmium	***39***	***100***	NA	0.502	NA	0.502	NA	NA	0.544	NA
Calcium	~	~	NA	7480	NA	8050	NA	NA	15000	NA
Chromium	~	~	NA	319	NA	456	NA	NA	52.8	NA
Cobalt	~	~	NA	8.92	NA	6.23	NA	NA	6.12	NA
Copper	***600***	***600***	78.1	107	NA	84.3	NA	19.0	115	NA
Iron	~	~	NA	20700	NA	19400	NA	NA	13900	NA
Lead	***400***	***600***	53.2	**10100**	**4260**	**9840**	29.1	7.77	**3320**	**2970**
Magnesium	~	~	NA	6180	NA	3540	NA	NA	3110	NA
Manganese	~	~	NA	246	NA	217	NA	NA	192	NA
Mercury	***14***	***270***	ND	**75.2**	NA	**56.4**	NA	0.024	**53.7**	NA
Nickel	***250***	***2400***	NA	22.7	NA	19.4	NA	NA	12.6	NA
Potassium	~	~	NA	1470	NA	1140	NA	NA	756	NA
Selenium	***63***	***3100***	ND	**157**	NA	**152**	NA	ND	**82.0**	NA
Silver	***110***	***4100***	NA	4.59	NA	3.27	NA	NA	6.11	NA
Sodium	~	~	NA	559	NA	403	NA	NA	371	NA
Thallium	***2***	***2***	**6.75**	ND	NA	1.21	NA	ND	**3.89**	NA
Vanadium	***370***	***7100***	NA	23.3	NA	23.6	NA	NA	20.1	NA
Zinc	***1500***	***1500***	NA	102	NA	69.8	NA	NA	86.3	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C3(18)	C3(18)	C3(19)	C3(19)	C3(19)	C3(19)	C3(19)	C79-A
		Sample Depth:	13.5-14	20-20.5	1.5-2	3.5-4	7.5-8	15.0-15.5	20-20.5	0.5-1
		Elevation:	-0.8 to -1.3	-7.3 to -7.8	10.6 to 10.1	8.6 to 8.1	4.6 to 4.1	-2.9 to -3.4	-7.9 to -8.4	10.8 to 10.3
		Lab ID:	2113-010	1998-001	2113-021	2113-022	2113-023	2035-003	2035-004	2113-011
		Date Sampled:	03/25/2002	03/20/2002	03/25/2002	03/25/2002	03/25/2002	03/21/2002	03/21/2002	03/25/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	13700	NA	NA	1140	987	NA	NA	NA
Antimony	***14***	***340***	ND	ND	NA	**77.8**	2.51	ND	NA	NA
Arsenic	***20***	***100****	**126**	4.19	**210**	**9580**	**1950**	**80.8**	**469**	**102**
Barium	***700***	***47000***	78.5	NA	NA	262	341	NA	NA	NA
Beryllium	***2***	***2***	0.750	NA	NA	ND	ND	NA	NA	NA
Cadmium	***39***	***100***	ND	NA	NA	7.92	2.87	NA	NA	NA
Calcium	~	~	4370	NA	NA	733	877	NA	NA	NA
Chromium	~	~	48.5	NA	NA	12.9	5.22	NA	NA	NA
Cobalt	~	~	10.4	NA	NA	16.3	4.55	NA	NA	NA
Copper	***600***	***600***	74	**750**	271	**4670**	**1690**	11.3	NA	NA
Iron	~	~	19200	NA	NA	57800	17300	NA	NA	NA
Lead	***400***	***600***	**790**	14.3	**455**	**10000**	**2830**	59.7	NA	**1660**
Magnesium	~	~	6880	NA	NA	72.1	171	NA	NA	NA
Manganese	~	~	240	NA	NA	31.1	15.9	NA	NA	NA
Mercury	***14***	***270***	9.56	ND	1.45	**18.1**	3.73	0.205	NA	NA
Nickel	***250***	***2400***	23.1	NA	NA	6.45	2.22	NA	NA	NA
Potassium	~	~	1630	NA	NA	957	571	NA	NA	NA
Selenium	***63***	***3100***	11.7	ND	2.32	17.5	8.05	ND	NA	NA
Silver	***110***	***4100***	0.910	NA	NA	31.8	8.67	NA	NA	NA
Sodium	~	~	334	NA	NA	1960	485	NA	NA	NA
Thallium	***2***	***2***	0.852	0.232	**2.38**	**83.0**	**18.9**	**2.28**	**5.55**	NA
Vanadium	***370***	***7100***	33.8	NA	NA	6.73	3.21	NA	NA	NA
Zinc	***1500***	***1500***	86.1	NA	99.2	**2160**	957	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	C79-B	C79-C	C79-D	SB1	SB1	SB1	SB1	SB2
		Sample Depth:	0.5-1	0.5-1	0.5-1	4.4-4.9	6.8-7.3	15.9-16.4	23.4-23.9	3.6-4.1
		Elevation:	10.8 to 10.3	10.8 to 10.3	10.8 to 10.3	8.4 to 7.9	6.0 to 5.5	-3.1 to -3.6	-10.6 to -11.1	8.4 to 7.9
		Lab ID:	2113-012	2113-013	2113-014	2172-002	2172-003	2172-004	2172-005	2204-2202
		Date Sampled:	03/25/2002	03/25/2002	03/25/2002	03/27/2002	03/27/2002	03/27/2002	03/27/2002	03/27/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	NA	NA	**29.6**	NA	ND	NA
Arsenic	***20***	***100****	9.23	11.5	**70.2**	6.93	**3740**	**56.4**	3.77	6.46
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	NA	NA	NA	61.9	299	NA	28.7	35.8
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	148	84.4	390	74.5	**913**	11.0	8.00	126
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	NA	NA	NA	0.211	3.90	NA	ND	1.99
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	NA	NA	ND	4.67	NA	ND	5.47
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	NA	NA	NA	0.259	**8.36**	NA	ND	0.132
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	NA	121	NA	NA	NA	30.7

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB2	SB2	SB3	SB3	SB3	SB4	SB4	SB5
		Sample Depth:	13.6-14.1	21.1-21.6	1.7-2.2	12-12.5	21.2-21.7	12.5-13	22.5-23	11.9-12.4
		Elevation:	-1.6 to -2.1	-9.1 to -9.6	10.4 to 9.9	0.1 to -0.4	-9.1 to -9.6	0.5 to 0.0	-9.5 to 10	1.5 to 1.0
		Lab ID:	2204-003	2204-004	2204-006	2204-007	2204-008	2140-010	2140-011	2171-001
		Date Sampled:	03/27/2002	03/27/2002	03/28/2002	03/28/2002	03/28/2002	03/26/2002	03/26/2002	03/27/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	**15.5**	ND	NA	ND	ND	ND	ND	ND
Arsenic	***20***	***100****	**1080**	9.57	5.51	**370**	10.4	**159**	**106**	**256**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	**833**	19.2	56.1	317	38.5	15.4	52.1	57.0
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	**416**	18.6	81.4	**416**	43.6	12.4	42.4	**673**
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	3.08	0.050	0.523	0.374	0.086	0.082	0.044	1.96
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	8.45	ND	ND	ND	ND	ND	ND	19.5
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	**6.97**	ND	0.205	**2.83**	0.239	**2.36**	0.362	**2.25**
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	114	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB5	SB6	SB6	SB6	SB7	SB7	SB8	SB8
		Sample Depth:	22.9-23.4	4.8-5.3	14.8-15.3	20.8-21.3	1.5-2.0	12.4-12.9	1.5-2.0	13.0-13.5
		Elevation:	-9.5 to -10	9.2 to 8.7	-0.8 to -1.3	-6.8 to -7.3	14.7-14.2	3.8 to 3.3	14.8-14.3	3.3 to 2.8
		Lab ID:	2171-002	2171-003	2171-004	2171-005	2276-009	2171-007	2276-007	2204-012
		Date Sampled:	03/27/2002	03/27/2002	03/27/2002	03/27/2002	04/01/2002	03/27/2002	04/01/2002	03/28/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	ND	NA	ND	ND	NA	ND	NA	ND
Arsenic	***20***	***100****	4.27	**370**	**108**	**155**	5.06	16.5	11.9	**223**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	157	277	24.9	58.9	73.0	116	61.9	75.3
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	13.1	**8340**	44.5	**1080**	82.3	32.9	362	42.5
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	ND	**36.2**	0.418	12.6	0.154	0.101	0.434	0.054
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	ND	37.0	ND	9.21	ND	ND	ND	ND
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	0.192	**3.51**	**3.23**	1.75	0.203	0.463	0.146	0.438
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	94.9	NA	NA	108	NA	159	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB9	SB9	SB9	SB10	SB10	SB10	SB10	SB10
		Sample Depth:	1.5-2.0	3.5-4.0	11.8-12.3	1.5-2.0	3.5-4.0	11.1-11.6	15.6-16.1	16.1-16.6
		Elevation:	14.9-14.4	12.9-12.4	4.6 to 4.1	14.9-14.4	12.9-12.4	5.3 to 4.8	0.8 to 0.3	0.3 to -0.2
		Lab ID:	2276-005	2276-006	2204-015	2276-002	2276-003	2245-012	2245-013	2245-014
		Date Sampled:	04/01/2002	04/01/2002	03/28/2002	04/01/2002	04/01/2002	03/29/2002	03/29/2002	03/29/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	3670	NA	NA
Antimony	***14***	***340***	NA	NA	ND	NA	NA	ND	NA	NA
Arsenic	***20***	***100****	**33.2**	**28.6**	**183**	9.54	2.18	**5400**	**1040**	**1360**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	41.5	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	ND	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	ND	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	690	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	26.1	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	ND	NA	NA
Copper	***600***	***600***	152	156	67.5	55.1	56.6	33.3	NA	NA
Iron	~	~	NA	NA	NA	NA	NA	17500	NA	NA
Lead	***400***	***600***	202	221	**1230**	75.0	17.2	98.7	NA	NA
Magnesium	~	~	NA	NA	NA	NA	NA	876	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	49.5	NA	NA
Mercury	***14***	***270***	2.0	3.43	4.88	0.227	0.055	0.488	NA	NA
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	3.55	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	980	NA	NA
Selenium	***63***	***3100***	ND	ND	5.09	ND	ND	4.15	NA	NA
Silver	***110***	***4100***	NA	NA	NA	NA	NA	ND	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	184	NA	NA
Thallium	***2***	***2***	0.186	0.207	0.597	0.211	0.243	**3.27**	NA	**8.31**
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	10.2	NA	NA
Zinc	***1500***	***1500***	170	129	NA	92.5	71.9	18.1	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB11	SB11	SB11	SB11	SB12	SB12	SB12	SB12
		Sample Depth:	1.5-2.0	4.0-4.5	6.6-7.1	12.6-13.1	3.5-4.0	10-10.5	15.5-16	20-20.5
		Elevation:	10.6-10.1	8.1-7.6	5.5 to 5.0	-0.5 to -1.0	4.9-4.4	-1.6 to -2.1	-7.1 to -7.6	-11.6 to -12.1
		Lab ID:	2245-002	2245-003	2245-004	2245-005	3062-015	3062-016	3062-017	3062-019
		Date Sampled:	03/29/2002	03/29/2002	03/29/2002	03/29/2002	04/29/2002	04/29/2002	04/29/2002	04/29/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	7080	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	1.79	NA	NA	NA	NA	NA
Arsenic	***20***	***100****	10.0	**54.9**	**365**	**37.2**	**182**	**478**	**881**	**348**
Barium	***700***	***47000***	NA	NA	95	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	ND	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	0.632	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	1460	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	26.4	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	4.03	NA	NA	NA	NA	NA
Copper	***600***	***600***	76.7	134	580	NA	147	NA	NA	NA
Iron	~	~	NA	NA	14900	NA	NA	NA	NA	NA
Lead	***400***	***600***	109	**490**	**411**	NA	284	NA	NA	NA
Magnesium	~	~	NA	NA	3390	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	120	NA	NA	NA	NA	NA
Mercury	***14***	***270***	0.465	3.59	0.321	NA	NA	NA	NA	NA
Nickel	***250***	***2400***	NA	NA	8.44	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	711	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	ND	3.07	ND	NA	NA	NA	NA	NA
Silver	***110***	***4100***	NA	NA	0.680	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	279	NA	NA	NA	NA	NA
Thallium	***2***	***2***	0.224	0.540	**4.99**	1.19	**3.41**	NA	NA	1.51
Vanadium	***370***	***7100***	NA	NA	38.7	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	144.0	89.0	112	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB13	SB13	SB14	SB14	SB15	SB16	SB17	SB17
		Sample Depth:	5.5-6.0	14.2-14.7	3.4-3.9	10-10.5	0.6-1.1	1.0-1.5	1.5-2.0	5.2-5.7
		Elevation:	2.5-2.0	-6.2 to -6.7	4.7-4.2	-1.9 to -2.4	7.8-7.3	7.0-7.5	6.0-5.5	2.3-1.8
		Lab ID:	3090-010	3090-011	3090-001	3090-002	3139-001	3062-001	3139-015	3185-001
		Date Sampled:	04/30/2002	04/30/2002	04/30/2002	04/30/2002	05/01/2002	04/29/2002	05/01/2002	05/01/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	*14*	*340*	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	*20*	*100**	**637**	**151**	**5120**	**75.4**	**40.1**	**180**	**77.0**	**761**
Barium	*700*	*47000*	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	*2*	*2*	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	*39*	*100*	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	*600*	*600*	131	NA	258	NA	552	342	**4990**	**4010**
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	*400*	*600*	319	NA	**2140**	27.5	**628**	**467**	**3460**	**3490**
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	*14*	*270*	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	*250*	*2400*	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	*63*	*3100*	NA	NA	NA	NA	NA	NA	NA	NA
Silver	*110*	*4100*	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	*2*	*2*	**6.60**	NA	**9.09**	NA	1.03	**2.31**	**88.3**	**24.3**
Vanadium	*370*	*7100*	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	*1500*	*1500*	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB17	SB17	SB17	SB17	SB18	SB18	SB19	SB19
		Sample Depth:	8.7-9.2	13.7-14.2	18.7-19.2	24.2-24.7	9.2-9.7	18.5-19	10.2-10.7	15.6-16.1
		Elevation:	-1.2 to -1.7	-6.2 to -6.7	-11.2 to -11.7	-16.7 to -17.2	4.3 to 3.8	-5.0 to -5.5	3.2 to 2.7	-2.2 to -2.7
		Lab ID:	3185-002	3185-004	3185-006	3185-009	2526-002	2526-005	2503-001	2503-002
		Date Sampled:	05/01/2002	05/01/2002	05/01/2002	05/01/2002	04/09/2002	04/09/2002	04/08/2002	04/08/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	*14*	*340*	NA	NA	NA	NA	ND	ND	ND	ND
Arsenic	*20*	*100**	**3500**	**727**	**228**	6.35	19.5	1.76	9.16	4.10
Barium	*700*	*47000*	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	*2*	*2*	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	*39*	*100*	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	*600*	*600*	NA	**2700**	**2170**	29.9	245	15.8	23.9	13.6
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	*400*	*600*	**931**	**2120**	**1340**	21.0	71.3	7.07	60.3	6.61
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	*14*	*270*	NA	NA	NA	NA	0.085	0.0021	0.106	ND
Nickel	*250*	*2400*	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	*63*	*3100*	NA	NA	NA	NA	4.35	ND	ND	ND
Silver	*110*	*4100*	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	*2*	*2*	NA	**16.7**	**11.2**	0.141	1.40	ND	0.145	ND
Vanadium	*370*	*7100*	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	*1500*	*1500*	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB19	SB20	SB20	SB20	SB21	SB21	SB21	SB22
		Sample Depth:	21.5-22	7.8-8.3	15.4-15.9	22.9-23.4	5.5-6.0	11-11.5	16-16.5	6.8-7.3
		Elevation:	-8.1 to -8.6	6.0 to 5.5	-1.6 to-2.1	-9.1 to -9.6	2.8-2.3	-2.7 to -3.2	-7.7 to -8.2	6.0 to 5.5
		Lab ID:	2503-003	2456-001	2456-002	2456-004	2960-001	2960-002	2960-003	2370-007
		Date Sampled:	04/08/2002	04/05/2002	04/05/2002	04/05/2002	04/25/2002	04/25/2002	04/25/2002	04/03/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	605	NA	NA	NA
Antimony	***14***	***340***	NA	ND	ND	NA	12.3	NA	NA	NA
Arsenic	***20***	***100****	2.36	**789**	**64.3**	7.51	**1330**	**273**	**552**	**1280**
Barium	***700***	***47000***	NA	NA	NA	NA	124	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	ND	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	ND	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	36600	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	13.5	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	44.9	NA	NA	NA
Copper	***600***	***600***	NA	385	58.6	NA	**2330**	513	NA	NA
Iron	~	~	NA	NA	NA	NA	58300	NA	NA	NA
Lead	***400***	***600***	4.62	**675**	35.2	5.90	**1580**	14.2	NA	**13000**
Magnesium	~	~	NA	NA	NA	NA	103	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	12.8	NA	NA	NA
Mercury	***14***	***270***	NA	3.51	0.361	NA	5.21	NA	NA	NA
Nickel	***250***	***2400***	NA	NA	NA	NA	2.94	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	978	NA	NA	NA
Selenium	***63***	***3100***	NA	17.5	5.90	NA	9.00	NA	NA	NA
Silver	***110***	***4100***	NA	NA	NA	NA	5.81	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	959	NA	NA	NA
Thallium	***2***	***2***	NA	1.68	0.204	NA	**8.48**	**15.7**	**7.36**	NA
Vanadium	***370***	***7100***	NA	NA	NA	NA	2.80	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	NA	NA	34.8	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB22	SB23	SB 24	SB 24	SB 25	SB 25	SB26	SB26
		Sample Depth:	15.9-16.4	14.4-14.9	6.1-6.6	14.4-14.9	1.2-1.7	3.2-3.7	1.6-2.1	11.1-11.6
		Elevation:	-3.1 to -3.6	-1.6 to -2.1	8.4 to 7.9	0.1 to -0.4	11 to 10.5	9.0 to 8.5	11-10.5	1.5 to 1.0
		Lab ID:	2370-008	2370-003	2486-004	2486-005	2486-007	2486-008	2396-001	2396-004
		Date Sampled:	04/03/2002	04/03/2002	04/06/2002	04/06/2002	04/06/2002	04/06/2002	04/04/2002	04/04/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	NA	NA	NA	NA	NA	ND
Arsenic	***20***	***100****	**106**	11.1	5.22	**200**	4.85	9.94	5.91	**27.1**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	NA	NA	NA	NA	NA	NA	70.9	**776**
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	55.5	NA	121	**1980**	91.0	71.5	104	170
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	NA	NA	NA	NA	0.184	NA	0.523	1.46
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	NA	NA	NA	ND	NA	ND	7.47
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	NA	NA	ND	0.989	NA	NA	0.171	1.11
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB26	SB27	SB 27	SB 27	SB28	SB29	SB30	SB 31
		Sample Depth:	22.1-22.6	2.4-2.9	4.4-4.9	14.4-14.9	8.0-8.5	12.5-13	8.1-8.6	11.6-12.1
		Elevation:	-9.5 to -10	11.2-10.7	9.2 to 8.7	-0.8 to -1.3	8.1-7.6	3.7-3.2	8.1-7.6	5.3 to 4.8
		Lab ID:	2396-005	2486-001	2486-002	2486-003	2867-002	2555-015	2555-011	2486-012
		Date Sampled:	04/04/2002	04/06/2002	04/06/2002	04/06/2002	04/23/2002	04/10/2002	04/10/2002	04/06/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	10300	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	ND	NA	NA	NA	NA	NA	NA
Arsenic	***20***	***100****	NA	5.46	6.08	**173**	**599**	**113**	15.0	6.19
Barium	***700***	***47000***	NA	50.4	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	ND	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	0.283	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	9580	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	60.9	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	13.1	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	ND	51.7	NA	NA	NA	NA	NA	NA
Iron	~	~	NA	19100	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	NA	54.6	61.9	NA	**1290**	**738**	19.7	NA
Magnesium	~	~	NA	7280	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	226	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	NA	0.164	NA	NA	NA	NA	NA	NA
Nickel	***250***	***2400***	NA	24.3	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	2960	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	ND	NA	NA	NA	NA	NA	NA
Silver	***110***	***4100***	NA	ND	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	708	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	NA	0.210	NA	NA	NA	NA	NA	0.248
Vanadium	***370***	***7100***	NA	35.1	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	75.8	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB32	SB32	SB33	SB33	SB34	SB34	SB34	SB34A
		Sample Depth:	9.5-10	13.5-14	13-13.5	20-20.5	10.3-10.8	12-12.5	17.5-18	10.3-10.8
		Elevation:	5.3-4.8	1.3-0.8	4.4-3.9	-2.6 to -3.1	0.5-0.0	-1.2 to -1.7	-6.7 to -7.2	0.2 to -0.3
		Lab ID:	2555-003	2555-004	2600-008	2600-009	2600-005	3185-010	2600-006	3185-012
		Date Sampled:	04/10/2002	04/10/2002	04/11/2002	04/11/2002	04/11/2002	05/02/2002	04/11/2002	05/02/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	***20***	***100****	**735**	ND	**1550**	9.14	**1620**	**28.6**	8.42	**80.1**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	NA	NA	NA	NA	NA	NA	NA	NA
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	276	ND	**6750**	9.07	**844**	28.9	13.0	NA
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	NA	NA	NA	NA	NA	NA	NA
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	**2.52**	NA	NA	NA	NA	NA	NA	NA
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB34B	SB34C	SB34D	SB35	SB35	SB36	SB36	SB36
		Sample Depth:	10.3-10.8	11.2-11.7	10.3-10.8	11-11.5	16-16.5	3.5-4.0	6.6-7.1	12.6-13.1
		Elevation:	0.9-0.4	0.5-0.0	0.5-0.0	0.5-0.0	-4.5 to -5.0	8.6-8.1	5.5-5.0	-0.5 to -1.0
		Lab ID:	3185-021	3185-018	3185-015	2600-002	2600-003	2626-002	2626-004	2626-005
		Date Sampled:	05/02/2002	05/02/2002	05/02/2002	04/11/2002	04/11/2002	04/12/2002	04/12/2002	04/12/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	*14*	*340*	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	*20*	*100**	**242**	3.49	**41.9**	3.21	3.83	**48.4**	**1610**	**3700**
Barium	*700*	*47000*	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	*2*	*2*	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	*39*	*100*	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	*600*	*600*	NA	NA	NA	NA	NA	NA	NA	NA
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	*400*	*600*	NA	NA	NA	7.78	18.4	343	**4060**	20.1
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	*14*	*270*	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	*250*	*2400*	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	*63*	*3100*	NA	NA	NA	NA	NA	NA	NA	NA
Silver	*110*	*4100*	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	*2*	*2*	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	*370*	*7100*	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	*1500*	*1500*	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	SB36	SB37	SB37	SB37	SB38	SB39	U15	U15A
		Sample Depth:	20.6-21.1	6.6-7.1	12.6-13.1	21.1-21.6	9.9-10.4	10.5-11	10.0-10.5	9.0-9.5
		Elevation:	-8.5 to -9.0	5.5-5.0	0.5 to -1.0	-9.0 to -9.5	0.5-0.0	7.2-6.7	5.3 to 4.8	6.3-5.8
		Lab ID:	2626-007	2867-007	2867-008	2922-002	2960-004	3229-002	2204-017	2626-012
		Date Sampled:	04/12/2002	04/23/2002	04/23/2002	04/23/2002	04/25/2002	05/03/2002	03/28/2002	04/12/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	***20***	***100****	3.43	**258**	**1090**	2.54	**102**	**297**	**57.3**	**161**
Barium	***700***	***47000***	NA	NA	NA	NA	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Cobalt	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Copper	***600***	***600***	NA	NA	NA	NA	NA	NA	NA	NA
Iron	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Lead	***400***	***600***	NA	**1350**	10.8	NA	**4500**	**3880**	18.0	180
Magnesium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	***14***	***270***	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	***250***	***2400***	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	NA	NA	NA	NA	NA	NA	NA
Silver	***110***	***4100***	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	***2***	***2***	NA	NA	NA	NA	NA	NA	NA	NA
Vanadium	***370***	***7100***	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	NA	NA	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	U15A	TP1	TP1	B10-0	B10-0	B10-0	B11-0	B11-0
		Sample Depth:	12-12.5	7.0-7.5	10-10.5	5.0-5.5	11-11.5	16-16.5	5.5-6.0	10.5-11
		Elevation:	3.3-2.8	5.2-4.7	2.2-1.7	3.5-3.0	-2.5 to -3.0	-7.5 to -8.0	2.9-2.4	-2.1 to -2.6
		Lab ID:	2626-014	2626-009	2626-010	2922-003	2922-004	2922-005	2922-006	2922-007
		Date Sampled:	04/12/2002	04/12/2002	04/12/2002	04/24/2002	04/24/2002	04/24/2002	04/24/2002	04/24/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	3800	20400	2240	NA	NA	10200	2770
Antimony	***14***	***340***	NA	ND	ND	**17.0**	NA	NA	ND	ND
Arsenic	***20***	***100****	**186**	**215**	6.26	**1380**	**467**	**90.8**	**489**	**7140**
Barium	***700***	***47000***	NA	121	53.2	196	NA	NA	71.6	26.4
Beryllium	***2***	***2***	NA	ND	ND	ND	NA	NA	ND	ND
Cadmium	***39***	***100***	NA	1.34	ND	ND	NA	NA	1.94	0.495
Calcium	~	~	NA	8960	4500	949	NA	NA	60100	3100
Chromium	~	~	NA	12.6	34.6	17.2	NA	NA	23.9	14.0
Cobalt	~	~	NA	5.50	7.63	ND	NA	NA	9.01	2.80
Copper	***600***	***600***	NA	198	21.9	**2830**	246	NA	594	**1110**
Iron	~	~	NA	14800	21300	8600	NA	NA	11000	6030
Lead	***400***	***600***	7.79	**2070**	24.3	**770**	40.0	NA	86.3	38.7
Magnesium	~	~	NA	1950	4040	871	NA	NA	5320	628
Manganese	~	~	NA	118	139	35.2	NA	NA	157	22.4
Mercury	***14***	***270***	NA	12.4	0.084	5.97	NA	NA	0.731	0.488
Nickel	***250***	***2400***	NA	24.5	22.7	1.70	NA	NA	13.0	3.24
Potassium	~	~	NA	625	3650	1650	NA	NA	1210	665
Selenium	***63***	***3100***	NA	26.1	ND	8.91	NA	NA	ND	ND
Silver	***110***	***4100***	NA	1.24	ND	3.99	NA	NA	ND	ND
Sodium	~	~	NA	419	337	424	NA	NA	644	189
Thallium	***2***	***2***	NA	**2.79**	ND	**4.93**	**2.66**	1.22	**8.59**	**7.21**
Vanadium	***370***	***7100***	NA	40.4	42.3	13.4	NA	NA	16.0	5.79
Zinc	***1500***	***1500***	NA	355	52.6	33.2	NA	NA	657	89.7

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	B11-0	B11-0	B18-0	B18-0	B18-0	B18-0	B18-0	B18-0
		Sample Depth:	16.5-17	21.5-22	1.0-1.5	6.5-7.0	11.5-12	15-15.5	20.20.5	25.25.5
		Elevation:	-8.1 to -8.6	-13.1 to -13.6	7.3-6.8	1.8-1.3	-3.2 to -3.7	-6.7 to -7.2	-11.7 to -12.2	-16.7 to -17.2
		Lab ID:	2922-008	2922-009	3013-003	3013-004	3013-005	3013-006	3013-007	3013-008
		Date Sampled:	04/24/2002	04/24/2002	04/26/2002	04/26/2002	04/26/2002	04/26/2002	04/26/2002	04/26/2002
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	NA	NA	11900	405	NA	NA	NA	NA
Antimony	***14***	***340***	NA	NA	ND	**64.3**	NA	NA	NA	NA
Arsenic	***20***	***100****	**526**	**475**	12.0	**3580**	**230**	**312**	**393**	7.6
Barium	***700***	***47000***	NA	NA	67.0	163	NA	NA	NA	NA
Beryllium	***2***	***2***	NA	NA	0.563	ND	NA	NA	NA	NA
Cadmium	***39***	***100***	NA	NA	0.526	2.13	NA	NA	NA	NA
Calcium	~	~	NA	NA	4590	590	NA	NA	NA	NA
Chromium	~	~	NA	NA	17.9	ND	NA	NA	NA	NA
Cobalt	~	~	NA	NA	7.48	84.7	NA	NA	NA	NA
Copper	***600***	***600***	NA	**750**	49.8	444	NA	NA	NA	NA
Iron	~	~	NA	NA	14700	49200	NA	NA	NA	NA
Lead	***400***	***600***	NA	NA	154	**1760**	**1250**	**2170**	200	NA
Magnesium	~	~	NA	NA	4290	ND	NA	NA	NA	NA
Manganese	~	~	NA	NA	199	15.7	NA	NA	NA	NA
Mercury	***14***	***270***	NA	NA	1.20	6.51	NA	NA	NA	NA
Nickel	***250***	***2400***	NA	NA	14.7	1.51	NA	NA	NA	NA
Potassium	~	~	NA	NA	845	510	NA	NA	NA	NA
Selenium	***63***	***3100***	NA	NA	ND	20.4	NA	NA	NA	NA
Silver	***110***	***4100***	NA	NA	ND	6.41	NA	NA	NA	NA
Sodium	~	~	NA	NA	397	273	NA	NA	NA	NA
Thallium	***2***	***2***	NA	**14.7**	0.354	**11.0**	NA	1.68	NA	NA
Vanadium	***370***	***7100***	NA	NA	36.7	ND	NA	NA	NA	NA
Zinc	***1500***	***1500***	NA	NA	91.4	733	NA	NA	NA	NA

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	FB032002		FB032202		FB032602		FB032902		FB040102		FB040402		FB040902		FB041102	
		Sample Depth:	--		--		--		--		--		--		--		--	
		Elevation:	--		--		--		--		--		--		--		--	
		Lab ID:	1998-003		2077-001		2140-001		2245-001		2276-001		2396-006		2526-001		2600-001	
		Date Sampled:	03/20/2002		03/22/2002		03/26/2002		03/29/2002		04/01/2002		04/04/2002		04/09/2002		04/11/2002	
Metals (ppm)	***USCC***	***RSCC***																
Aluminum	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Antimony	***14***	***340***	ND		ND		ND		ND		ND		ND		ND		ND	
Arsenic	***20***	***100****	ND		ND		ND		ND		ND		ND		ND		ND	
Barium	***700***	***47000***	ND		ND		ND		ND		ND		ND		ND		ND	
Beryllium	***2***	***2***	ND		ND		ND		ND		ND		ND		ND		ND	
Cadmium	***39***	***100***	ND		ND		ND		ND		ND		ND		ND		ND	
Calcium	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Chromium	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Cobalt	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Copper	***600***	***600***	ND		ND		ND		ND		ND		ND		ND		ND	
Iron	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Lead	***400***	***600***	ND		ND		ND		ND		ND		ND		ND		ND	
Magnesium	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Manganese	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Mercury	***14***	***270***	ND		ND		ND		ND		ND		ND		ND		ND	
Nickel	***250***	***2400***	ND		ND		ND		ND		ND		ND		ND		ND	
Potassium	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Selenium	***63***	***3100***	ND		ND		ND		ND		ND		ND		ND		ND	
Silver	***110***	***4100***	ND		ND		ND		ND		ND		ND		ND		ND	
Sodium	~	~	ND		ND		ND		ND		ND		ND		ND		ND	
Thallium	***2***	***2***	ND		ND		ND		ND		ND		ND		ND		ND	
Vanadium	***370***	***7100***	ND		ND		ND		ND		ND		ND		ND		ND	
Zinc	***1500***	***1500***	ND		ND		ND		ND		ND		ND		ND		ND	

* = site specific delineation criterion

Table I
Summary of Priority Pollutant Metals in Soil

		Client ID:	FB042402		FB042602		FB050102		FB050302	
		Sample Depth:	--		--		--		--	
		Elevation:	--		--		--		--	
		Lab ID:	2922-010		3013-012		3193-014		3229-001	
		Date Sampled:	04/24/2002		04/26/2002		05/01/2002		05/03/2002	
Metals (ppm)	***USCC***	***RSCC***								
Aluminum	~	~	ND		ND		ND		ND	
Antimony	***14***	***340***	ND		ND		ND		ND	
Arsenic	***20***	***100****	ND		ND		ND		ND	
Barium	***700***	***47000***	ND		ND		ND		ND	
Beryllium	***2***	***2***	ND		ND		ND		ND	
Cadmium	***39***	***100***	ND		ND		ND		ND	
Calcium	~	~	ND		ND		ND		ND	
Chromium	~	~	ND		ND		ND		ND	
Cobalt	~	~	ND		ND		ND		ND	
Copper	***600***	***600***	ND		ND		ND		ND	
Iron	~	~	ND		ND		ND		ND	
Lead	***400***	***600***	ND		ND		ND		ND	
Magnesium	~	~	ND		ND		ND		ND	
Manganese	~	~	ND		ND		ND		ND	
Mercury	***14***	***270***	ND		ND		ND		ND	
Nickel	***250***	***2400***	ND		ND		ND		ND	
Potassium	~	~	ND		ND		ND		ND	
Selenium	***63***	***3100***	ND		ND		ND		ND	
Silver	***110***	***4100***	ND		ND		ND		ND	
Sodium	~	~	ND		ND		ND		ND	
Thallium	***2***	***2***	ND		ND		ND		ND	
Vanadium	***370***	***7100***	ND		ND		ND		ND	
Zinc	***1500***	***1500***	ND		ND		ND		ND	

** = site specific delineation criterion*

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(4)		C3(4)		C3(4)		C3(5)		C3(5)	
			Sample Depth:	3.5-4		14.5-15		20-20.5		1.5-2		10-10.5	
			Elevation:	8.8-8.3		-2.2 to -2.7		-7.7 to -8.2		10.8-10.3		2.3-1.8	
			Lab ID:	2140-003		2140-004		2077-008		2140-005		2077-003	
			Date Sampled:	03/26/2002		03/26/2002		03/22/2002		03/26/2002		03/22/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		ND		NA		ND		ND	
Chloromethane	520	1000	10	ND		ND		NA		ND		ND	
Vinyl Chloride	2	7	10	ND		ND		NA		ND		ND	
Bromomethane	79	1000	1	ND		ND		NA		ND		ND	
Chloroethane	~	~	~	ND		ND		NA		ND		ND	
Trichlorofluoromethane	~	~	~	ND		ND		NA		ND		ND	
1,1-Dichloroethene	8	150	10	ND		ND		NA		ND		ND	
Acetone	1000	1000	100	ND		ND		NA		ND		ND	
Carbon Disulfide	~	~	~	ND		ND		NA		0.391	J	ND	
Methylene Chloride	49	210	1	ND		ND		NA		ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		ND		NA		ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		ND		NA		ND		ND	
1,1-Dichloroethane	570	1000	10	ND		ND		NA		ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		ND		NA		ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		ND		NA		ND		ND	
Bromochloromethane	~	~	~	ND		ND		NA		ND		ND	
Chloroform	19	28	1	ND		ND		NA		ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		ND		NA		ND		ND	
Carbon Tetrachloride	2	4	1	ND		ND		NA		ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		ND		NA		ND		ND	
Benzene	3	13	1	0.251	J	ND		ND		0.958		ND	
Trichloroethene	23	54	1	ND		ND		NA		ND		ND	
1,2-Dichloropropane	10	43	~	ND		ND		NA		ND		ND	
Bromodichloromethane	11	46	1	ND		ND		NA		ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		ND		NA		ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		ND		NA		ND		ND	
Toluene	1000	1000	500	1.27		0.180	J	NA		1.22		0.389	J
trans-1,3-Dichloropropene	~	~	~	ND		ND		NA		ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		ND		NA		ND		ND	
Tetrachloroethene	4	6	1	ND		ND		NA		ND		ND	
2-Hexanone	~	~	~	ND		ND		NA		ND		ND	
Dibromochloromethane	110	1000	1	ND		ND		NA		ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		ND		NA		ND		ND	
Chlorobenzene	37	680	1	ND		ND		NA		ND		ND	
Ethylbenzene	1000	1000	100	1.08		ND		NA		1.57		0.975	
Total Xylenes	410	1000	67	2.5		0.927		NA		6.86		4.66	
Styrene	23	97	100	ND		ND		NA		ND		ND	
Bromoform	86	370	1	ND		ND		NA		ND		ND	
Isopropylbenzene	~	~	~	0.278	J	ND		NA		0.268	J	ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		ND		NA		ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		ND		NA		ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		ND		NA		ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		ND		NA		ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		ND		NA		ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		ND		NA		ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		ND		NA		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		ND		NA		ND		ND	
Methyl Acetate	~	~	~	ND		ND		NA		ND		ND	
Cyclohexane	~	~	~	ND		ND		NA		ND		ND	
Methylcyclohexane	~	~	~	ND		ND		NA		ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	5.38	J	1.11	J	ND		11.3	J	6.02	J
TOTAL TICs	NA	NA	NA	186		3.13		NA		157		106	
TOTAL VOCs & TICs	NA	NA	NA	191		4.24		ND		169		112	J

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(5)		C3(5)		C3(6)		C3(6)		C3(6)	
			Sample Depth:	14.5-15		20-20.5		3.5-4		13.5-14		15.0-15.5	
			Elevation:	-2.2 to -2.7		-7.7 to -8.2		8.4-7.9		-1.6 to -2.1		-3.1 to -3.6	
			Lab ID:	2077-004		2077-005		2140-008		2140-009		2035-005	
			Date Sampled:	03/22/2002		03/22/2002		03/26/2002		03/26/2002		03/21/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		NA		ND		ND		NA	
Chloromethane	520	1000	10	ND		NA		ND		ND		NA	
Vinyl Chloride	2	7	10	ND		NA		ND		ND		NA	
Bromomethane	79	1000	1	ND		NA		ND		ND		NA	
Chlorcethane	~	~	~	ND		NA		ND		ND		NA	
Trichlorofluoromethane	~	~	~	ND		NA		ND		ND		NA	
1,1-Dichloroethene	8	150	10	ND		NA		ND		ND		NA	
Acetone	1000	1000	100	ND		NA		ND		ND		NA	
Carbon Disulfide	~	~	~	ND		NA		ND		ND		NA	
Methylene Chloride	49	210	1	ND		NA		ND		ND		NA	
trans-1,2-Dichloroethene	1000	1000	50	ND		NA		ND		ND		NA	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		NA		ND		ND		NA	
1,1-Dichloroethane	570	1000	10	ND		NA		ND		ND		NA	
cis-1,2-Dichloroethene	79	1000	1	ND		NA		ND		ND		NA	
2-Butanone(MEK)	1000	1000	50	ND		NA		ND		ND		NA	
Bromochloromethane	~	~	~	ND		NA		ND		ND		NA	
Chloroform	19	28	1	ND		NA		ND		ND		NA	
1,1,1-Trichloroethane	210	1000	50	ND		NA		ND		ND		NA	
Carbon Tetrachloride	2	4	1	ND		NA		ND		ND		NA	
1,2-Dichloroethane(EDC)	6	24	1	ND		NA		ND		ND		NA	
Benzene	3	13	1	ND		ND		0.213	J	**2.01**		**1.35**	
Trichloroethene	23	54	1	ND		NA		ND		ND		NA	
1,2-Dichloropropane	10	43	~	ND		NA		ND		ND		NA	
Bromodichloromethane	11	46	1	ND		NA		ND		ND		NA	
cis-1,3-Dichloropropene	~	~	~	ND		NA		ND		ND		NA	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		NA		ND		ND		NA	
Toluene	1000	1000	500	0.539		NA		0.164	J	2.92		NA	
trans-1,3-Dichloropropene	~	~	~	ND		NA		ND		ND		NA	
1,1,2-Trichloroethane	22	420	1	ND		NA		ND		ND		NA	
Tetrachloroethene	4	6	1	ND		NA		ND		ND		NA	
2-Hexanone	~	~	~	ND		NA		ND		ND		NA	
Dibromochloromethane	110	1000	1	ND		NA		ND		ND		NA	
1,2-Dibromoethane(EDB)	~	~	~	ND		NA		ND		ND		NA	
Chlorobenzene	37	680	1	ND		NA		ND		ND		NA	
Ethylbenzene	1000	1000	100	0.903		NA		0.151	J	1.08		NA	
Total Xylenes	410	1000	67	3.61		NA		0.533	J	4.64		NA	
Styrene	23	97	100	ND		NA		ND		ND		NA	
Bromoform	86	370	1	ND		NA		ND		ND		NA	
Isopropylbenzene	~	~	~	ND		NA		ND		0.66	J	NA	
1,1,2,2-Tetrachloroethane	34	70	1	ND		NA		ND		ND		NA	
1,3-Dichlorobenzene	5100	10000	100	ND		NA		ND		ND		NA	
1,4-Dichlorobenzene	570	10000	100	ND		NA		ND		ND		NA	
1,2-Dichlorobenzene	5100	10000	50	ND		NA		ND		ND		NA	
1,2-Dibromo-3-chloropropane	~	~	~	ND		NA		ND		ND		NA	
1,2,4-Trichlorobenzene	68	1200	100	ND		NA		ND		ND		NA	
1,2,3-Trichlorobenzene	~	~	~	ND		NA		ND		ND		NA	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		NA		ND		ND		NA	
Methyl Acetate	~	~	~	ND		NA		ND		ND		NA	
Cyclohexane	~	~	~	ND		NA		ND		ND		NA	
Methylcyclohexane	~	~	~	ND		NA		ND		ND		NA	
TOTAL TARGETED VOCs	NA	NA	NA	5.05		ND		1.06	J	11.3	J	1.35	
TOTAL TICs	NA	NA	NA	18.0		NA		9.96		49.9		NA	
TOTAL VOCs & TICs	NA	NA	NA	23.0		ND		11.0		61.3		1.35	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(6)	C3(10)	C3(10)	C3(10)	C3(14)
			Sample Depth:	21.5-22	1-1.5	7.5-8	15-15.5	1.5-2
			Elevation:	-9.6 to -10.1	12.1 to 11.6	5.6 to 5.1	-1.9 to -2.4	11.2 to 10.7
			Lab ID:	2035-006	2113-001	2113-003	2113-004	2113-018
			Date Sampled:	03/21/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	NA	*ND*	*ND*	NA	*ND*
Chloromethane	***520***	***1000***	***10***	NA	ND	ND	NA	ND
Vinyl Chloride	***2***	***7***	***10***	NA	ND	ND	NA	ND
Bromomethane	***79***	***1000***	***1***	NA	ND	ND	NA	ND
Chloroethane	~	~	~	NA	ND	ND	NA	ND
Trichlorofluoromethane	~	~	~	NA	ND	ND	NA	ND
1,1-Dichloroethene	***8***	***150***	***10***	NA	ND	ND	NA	ND
Acetone	***1000***	***1000***	***100***	NA	ND	ND	NA	ND
Carbon Disulfide	~	~	~	NA	ND	ND	NA	ND
Methylene Chloride	***49***	***210***	***1***	NA	ND	ND	NA	ND
trans-1,2-Dichloroethene	***1000***	***1000***	***50***	NA	ND	ND	NA	ND
Methyl-t-Butyl Ether(MTBE)	~	~	~	NA	ND	ND	NA	ND
1,1-Dichloroethane	***570***	***1000***	***10***	NA	ND	ND	NA	ND
cis-1,2-Dichloroethene	***79***	***1000***	***1***	NA	ND	ND	NA	ND
2-Butanone(MEK)	***1000***	***1000***	***50***	NA	ND	ND	NA	ND
Bromochloromethane	~	~	~	NA	ND	ND	NA	ND
Chloroform	***19***	***28***	***1***	NA	ND	ND	NA	ND
1,1,1-Trichloroethane	***210***	***1000***	***50***	NA	ND	ND	NA	ND
Carbon Tetrachloride	***2***	***4***	***1***	NA	ND	ND	NA	ND
1,2-Dichloroethane(EDC)	***6***	***24***	***1***	NA	ND	ND	NA	ND
Benzene	***3***	***13***	***1***	ND	ND	ND	0.805	ND
Trichloroethene	***23***	***54***	***1***	NA	ND	ND	NA	ND
1,2-Dichloropropane	***10***	***43***	~	NA	ND	ND	NA	ND
Bromodichloromethane	***11***	***46***	***1***	NA	ND	ND	NA	ND
cis-1,3-Dichloropropene	~	~	~	NA	ND	ND	NA	ND
4-Methyl-2-pentanone(MIBK)	***1000***	***1000***	***50***	NA	ND	ND	NA	ND
Toluene	***1000***	***1000***	***500***	NA	ND	ND	NA	ND
trans-1,3-Dichloropropene	~	~	~	NA	ND	ND	NA	ND
1,1,2-Trichloroethane	***22***	***420***	***1***	NA	ND	ND	NA	ND
Tetrachloroethene	***4***	***6***	***1***	NA	ND	ND	NA	ND
2-Hexanone	~	~	~	NA	ND	ND	NA	ND
Dibromochloromethane	***110***	***1000***	***1***	NA	ND	ND	NA	ND
1,2-Dibromoethane(EDB)	~	~	~	NA	ND	ND	NA	ND
Chlorobenzene	***37***	***680***	***1***	NA	ND	ND	NA	ND
Ethylbenzene	***1000***	***1000***	***100***	NA	ND	ND	NA	ND
Total Xylenes	***410***	***1000***	***67***	NA	ND	ND	NA	ND
Styrene	***23***	***97***	***100***	NA	ND	ND	NA	ND
Bromoform	***86***	***370***	***1***	NA	ND	ND	NA	ND
Isopropylbenzene	~	~	~	NA	ND	ND	NA	ND
1,1,2,2-Tetrachloroethane	***34***	***70***	***1***	NA	ND	ND	NA	ND
1,3-Dichlorobenzene	***5100***	***10000***	***100***	NA	ND	ND	NA	ND
1,4-Dichlorobenzene	***570***	***10000***	***100***	NA	ND	ND	NA	ND
1,2-Dichlorobenzene	***5100***	***10000***	***50***	NA	ND	ND	NA	ND
1,2-Dibromo-3-chloropropane	~	~	~	NA	ND	ND	NA	ND
1,2,4-Trichlorobenzene	***68***	***1200***	***100***	NA	ND	ND	NA	ND
1,2,3-Trichlorobenzene	~	~	~	NA	ND	ND	NA	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	NA	ND	ND	NA	ND
Methyl Acetate	~	~	~	NA	1.86	ND	NA	ND
Cyclohexane	~	~	~	NA	ND	ND	NA	ND
Methylcyclohexane	~	~	~	NA	ND	ND	NA	ND
TOTAL TARGETED VOCs	***NA***	***NA***	***NA***	ND	1.86	ND	0.805	ND
TOTAL TICs	***NA***	***NA***	***NA***	NA	ND	ND	NA	ND
TOTAL VOCs & TICs	***NA***	***NA***	***NA***	ND	1.86	ND	0.805	ND

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(14)		C3(14)		C3(14)		C3(15)		C3(15)	
			Sample Depth:	8.5-9		16.5-17.0		21.5-22		1.5-2		10.5-11	
			Elevation:	4.2 to 3.7		-3.8 to -4.3		-8.8 to -9.3		11.0 to 10.5		2.0 to 1.5	
			Lab ID:	2113-020		2035-001		2035-002		2113-015		2113-017	
			Date Sampled:	03/25/2002		03/20/2002		03/21/2002		03/25/2002		03/25/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		NA		NA		ND		ND	
Chloromethane	520	1000	10	ND		NA		NA		ND		ND	
Vinyl Chloride	2	7	10	ND		NA		NA		ND		ND	
Bromomethane	79	1000	1	ND		NA		NA		ND		ND	
Chloroethane	~	~	~	ND		NA		NA		ND		ND	
Trichlorofluoromethane	~	~	~	ND		NA		NA		ND		ND	
1,1-Dichloroethene	8	150	10	ND		NA		NA		ND		ND	
Acetone	1000	1000	100	ND		NA		NA		ND		ND	
Carbon Disulfide	~	~	~	ND		NA		NA		ND		ND	
Methylene Chloride	49	210	1	ND		NA		NA		ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		NA		NA		ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		NA		NA		ND		ND	
1,1-Dichloroethane	570	1000	10	ND		NA		NA		ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		NA		NA		ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		NA		NA		ND		ND	
Bromochloromethane	~	~	~	ND		NA		NA		ND		ND	
Chloroform	19	28	1	ND		NA		NA		ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		NA		NA		ND		ND	
Carbon Tetrachloride	2	4	1	ND		NA		NA		ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		NA		NA		ND		ND	
Benzene	3	13	1	ND		ND		ND		ND		ND	
Trichloroethene	23	54	1	ND		NA		NA		ND		ND	
1,2-Dichloropropane	10	43	~	ND		NA		NA		ND		ND	
Bromodichloromethane	11	46	1	ND		NA		NA		ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		NA		NA		ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		NA		NA		ND		ND	
Toluene	1000	1000	500	ND		NA		NA		ND		ND	
trans-1,3-Dichloropropene	~	~	~	ND		NA		NA		ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		NA		NA		ND		ND	
Tetrachloroethene	4	6	1	ND		NA		NA		ND		ND	
2-Hexanone	~	~	~	ND		NA		NA		ND		ND	
Dibromochloromethane	110	1000	1	ND		NA		NA		ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		NA		NA		ND		ND	
Chlorobenzene	37	680	1	ND		NA		NA		ND		ND	
Ethylbenzene	1000	1000	100	ND		NA		NA		ND		ND	
Total Xylenes	410	1000	67	ND		NA		NA		ND		ND	
Styrene	23	97	100	ND		NA		NA		ND		ND	
Bromoform	86	370	1	ND		NA		NA		ND		ND	
Isopropylbenzene	~	~	~	ND		NA		NA		ND		ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		NA		NA		ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		NA		NA		ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		NA		NA		ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		NA		NA		ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		NA		NA		ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		NA		NA		ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		NA		NA		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		NA		NA		ND		ND	
Methyl Acetate	~	~	~	ND		NA		NA		ND		ND	
Cyclohexane	~	~	~	ND		NA		NA		ND		ND	
Methylcyclohexane	~	~	~	ND		NA		NA		ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL TICs	NA	NA	NA	ND		NA		NA		ND		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND		ND		ND		ND	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(15)		C3(18)		C3(18)		C3(18)		C3(19)	
			Sample Depth:	22.5-23		1.5-2		13.5-14		20-20.5		3.5-4	
			Elevation:	-10 to -10.5		11.2 to 10.7		-0.8 to -1.3		-7.3 to -7.8		8.6 to 8.1	
			Lab ID:	1998-005		2113-008		2113-010		1998-001		2113-022	
			Date Sampled:	03/20/2002		03/25/2002		03/25/2002		03/20/2002		03/25/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	NA		ND		ND		NA		ND	
Chloromethane	520	1000	10	NA		ND		ND		NA		ND	
Vinyl Chloride	2	7	10	NA		ND		ND		NA		ND	
Bromomethane	79	1000	1	NA		ND		ND		NA		ND	
Chloroethane	~	~	~	NA		ND		ND		NA		ND	
Trichlorofluoromethane	~	~	~	NA		ND		ND		NA		ND	
1,1-Dichloroethene	8	150	10	NA		ND		ND		NA		ND	
Acetone	1000	1000	100	NA		ND		ND		NA		ND	
Carbon Disulfide	~	~	~	NA		ND		ND		NA		ND	
Methylene Chloride	49	210	1	NA		ND		ND		NA		ND	
trans-1,2-Dichloroethene	1000	1000	50	NA		ND		ND		NA		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	NA		ND		ND		NA		ND	
1,1-Dichloroethane	570	1000	10	NA		ND		ND		NA		ND	
cis-1,2-Dichloroethene	79	1000	1	NA		ND		ND		NA		ND	
2-Butanone(MEK)	1000	1000	50	NA		ND		ND		NA		ND	
Bromochloromethane	~	~	~	NA		ND		ND		NA		ND	
Chloroform	19	28	1	NA		ND		ND		NA		ND	
1,1,1-Trichloroethane	210	1000	50	NA		ND		ND		NA		ND	
Carbon Tetrachloride	2	4	1	NA		ND		ND		NA		ND	
1,2-Dichloroethane(EDC)	6	24	1	NA		ND		ND		NA		ND	
Benzene	3	13	1	ND		ND		ND		ND		ND	
Trichloroethene	23	54	1	NA		ND		ND		NA		ND	
1,2-Dichloropropane	10	43	~	NA		ND		ND		NA		ND	
Bromodichloromethane	11	46	1	NA		ND		ND		NA		ND	
cis-1,3-Dichloropropene	~	~	~	NA		ND		ND		NA		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	NA		ND		ND		NA		ND	
Toluene	1000	1000	500	NA		ND		ND		NA		ND	
trans-1,3-Dichloropropene	~	~	~	NA		ND		ND		NA		ND	
1,1,2-Trichloroethane	22	420	1	NA		ND		ND		NA		ND	
Tetrachloroethene	4	6	1	NA		ND		ND		NA		ND	
2-Hexanone	~	~	~	NA		ND		ND		NA		ND	
Dibromochloromethane	110	1000	1	NA		ND		ND		NA		ND	
1,2-Dibromoethane(EDB)	~	~	~	NA		ND		ND		NA		ND	
Chlorobenzene	37	680	1	NA		ND		ND		NA		ND	
Ethylbenzene	1000	1000	100	NA		ND		ND		NA		ND	
Total Xylenes	410	1000	67	NA		ND		ND		NA		ND	
Styrene	23	97	100	NA		ND		ND		NA		ND	
Bromoform	86	370	1	NA		ND		ND		NA		ND	
Isopropylbenzene	~	~	~	NA		ND		ND		NA		ND	
1,1,2,2-Tetrachloroethane	34	70	1	NA		ND		ND		NA		ND	
1,3-Dichlorobenzene	5100	10000	100	NA		ND		ND		NA		ND	
1,4-Dichlorobenzene	570	10000	100	NA		ND		ND		NA		ND	
1,2-Dichlorobenzene	5100	10000	50	NA		ND		ND		NA		ND	
1,2-Dibromo-3-chloropropane	~	~	~	NA		ND		ND		NA		ND	
1,2,4-Trichlorobenzene	68	1200	100	NA		ND		ND		NA		ND	
1,2,3-Trichlorobenzene	~	~	~	NA		ND		ND		NA		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	NA		ND		ND		NA		ND	
Methyl Acetate	~	~	~	NA		ND		ND		NA		ND	
Cyclohexane	~	~	~	NA		ND		ND		NA		ND	
Methylcyclohexane	~	~	~	NA		ND		ND		NA		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL TICs	NA	NA	NA	NA		ND		ND		NA		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND		ND		ND		ND	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	C3(19)	C3(19)	SB1	SB2	SB3
			Sample Depth:	7.5-8	15-15.5	23.4-23.9	21.1-21.6	21.2-21.7
			Elevation:	4.6 to 4.1	-2.9 to -3.4	-10.6 to -11.1	-9.1 to -9.6	-9.1 to -9.6
			Lab ID:	2113-023	2035-003	2172-005	2204-004	2204-008
			Date Sampled:	03/25/2002	03/21/2002	03/27/2002	03/27/2002	03/28/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	ND	NA	NA	NA	NA
Chloromethane	520	1000	10	ND	NA	NA	NA	NA
Vinyl Chloride	2	7	10	ND	NA	NA	NA	NA
Bromomethane	79	1000	1	ND	NA	NA	NA	NA
Chloroethane	~	~	~	ND	NA	NA	NA	NA
Trichlorofluoromethane	~	~	~	ND	NA	NA	NA	NA
1,1-Dichloroethene	8	150	10	ND	NA	NA	NA	NA
Acetone	1000	1000	100	ND	NA	NA	NA	NA
Carbon Disulfide	~	~	~	ND	NA	NA	NA	NA
Methylene Chloride	49	210	1	ND	NA	NA	NA	NA
trans-1,2-Dichloroethene	1000	1000	50	ND	NA	NA	NA	NA
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND	NA	NA	NA	NA
1,1-Dichloroethane	570	1000	10	ND	NA	NA	NA	NA
cis-1,2-Dichloroethene	79	1000	1	ND	NA	NA	NA	NA
2-Butanone(MEK)	1000	1000	50	ND	NA	NA	NA	NA
Bromochloromethane	~	~	~	ND	NA	NA	NA	NA
Chloroform	19	28	1	ND	NA	NA	NA	NA
1,1,1-Trichloroethane	210	1000	50	ND	NA	NA	NA	NA
Carbon Tetrachloride	2	4	1	ND	NA	NA	NA	NA
1,2-Dichloroethane(EDC)	6	24	1	ND	NA	NA	NA	NA
Benzene	3	13	1	ND	ND	ND	ND	ND
Trichloroethene	23	54	1	ND	NA	NA	NA	NA
1,2-Dichloropropane	10	43	~	ND	NA	NA	NA	NA
Bromodichloromethane	11	46	1	ND	NA	NA	NA	NA
cis-1,3-Dichloropropene	~	~	~	ND	NA	NA	NA	NA
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND	NA	NA	NA	NA
Toluene	1000	1000	500	ND	NA	NA	NA	NA
trans-1,3-Dichloropropene	~	~	~	ND	NA	NA	NA	NA
1,1,2-Trichloroethane	22	420	1	ND	NA	NA	NA	NA
Tetrachloroethene	4	6	1	ND	NA	NA	NA	NA
2-Hexanone	~	~	~	ND	NA	NA	NA	NA
Dibromochloromethane	110	1000	1	ND	NA	NA	NA	NA
1,2-Dibromoethane(EDB)	~	~	~	ND	NA	NA	NA	NA
Chlorobenzene	37	680	1	ND	NA	NA	NA	NA
Ethylbenzene	1000	1000	100	ND	NA	NA	NA	NA
Total Xylenes	410	1000	67	ND	NA	NA	NA	NA
Styrene	23	97	100	ND	NA	NA	NA	NA
Bromoform	86	370	1	ND	NA	NA	NA	NA
Isopropylbenzene	~	~	~	ND	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	34	70	1	ND	NA	NA	NA	NA
1,3-Dichlorobenzene	5100	10000	100	ND	NA	NA	NA	NA
1,4-Dichlorobenzene	570	10000	100	ND	NA	NA	NA	NA
1,2-Dichlorobenzene	5100	10000	50	ND	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	~	~	~	ND	NA	NA	NA	NA
1,2,4-Trichlorobenzene	68	1200	100	ND	NA	NA	NA	NA
1,2,3-Trichlorobenzene	~	~	~	ND	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND	NA	NA	NA	NA
Methyl Acetate	~	~	~	ND	NA	NA	NA	NA
Cyclohexane	~	~	~	ND	NA	NA	NA	NA
Methylcyclohexane	~	~	~	ND	NA	NA	NA	NA
TOTAL TARGETED VOCs	NA	NA	NA	ND	ND	ND	ND	ND
TOTAL TICs	NA	NA	NA	ND	NA	NA	NA	NA
TOTAL VOCs & TICs	NA	NA	NA	ND	ND	ND	ND	ND

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	SB4	SB5	SB6	SB10	SB11
			Sample Depth:	22.5-23	22.9-23.4	20.8-21.3	11.1-11.6	6.6-7.1
			Elevation:	-9.5 to -10.0	-9.5 to -10	-6.8 to -7.3	5.3 to 5.8	5.5 to 5.0
			Lab ID:	2140-011	2171-002	2171-005	2245-012	2245-004
			Date Sampled:	03/26/2002	03/27/2002	03/27/2002	03/29/2002	03/29/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	NA	NA	NA	ND	ND
Chloromethane	520	1000	10	NA	NA	NA	ND	ND
Vinyl Chloride	2	7	10	NA	NA	NA	ND	ND
Bromomethane	79	1000	1	NA	NA	NA	ND	ND
Chloroethane	~	~	~	NA	NA	NA	ND	ND
Trichlorofluoromethane	~	~	~	NA	NA	NA	ND	ND
1,1-Dichloroethene	8	150	10	NA	NA	NA	ND	ND
Acetone	1000	1000	100	NA	NA	NA	ND	ND
Carbon Disulfide	~	~	~	NA	NA	NA	ND	ND
Methylene Chloride	49	210	1	NA	NA	NA	ND	ND
trans-1,2-Dichloroethene	1000	1000	50	NA	NA	NA	ND	ND
Methyl-t-Butyl Ether(MTBE)	~	~	~	NA	NA	NA	ND	ND
1,1-Dichloroethane	570	1000	10	NA	NA	NA	ND	ND
cis-1,2-Dichloroethene	79	1000	1	NA	NA	NA	ND	ND
2-Butanone(MEK)	1000	1000	50	NA	NA	NA	ND	ND
Bromochloromethane	~	~	~	NA	NA	NA	ND	ND
Chloroform	19	28	1	NA	NA	NA	ND	ND
1,1,1-Trichloroethane	210	1000	50	NA	NA	NA	ND	ND
Carbon Tetrachloride	2	4	1	NA	NA	NA	ND	ND
1,2-Dichloroethane(EDC)	6	24	1	NA	NA	NA	ND	ND
Benzene	3	13	1	ND	ND	ND	ND	ND
Trichloroethene	23	54	1	NA	NA	NA	ND	ND
1,2-Dichloropropane	10	43	~	NA	NA	NA	ND	ND
Bromodichloromethane	11	46	1	NA	NA	NA	ND	ND
cis-1,3-Dichloropropene	~	~	~	NA	NA	NA	ND	ND
4-Methyl-2-pentanone(MIBK)	1000	1000	50	NA	NA	NA	ND	ND
Toluene	1000	1000	500	NA	NA	NA	ND	ND
trans-1,3-Dichloropropene	~	~	~	NA	NA	NA	ND	ND
1,1,2-Trichloroethane	22	420	1	NA	NA	NA	ND	ND
Tetrachloroethene	4	6	1	NA	NA	NA	ND	ND
2-Hexanone	~	~	~	NA	NA	NA	ND	ND
Dibromochloromethane	110	1000	1	NA	NA	NA	ND	ND
1,2-Dibromoethane(EDB)	~	~	~	NA	NA	NA	ND	ND
Chlorobenzene	37	680	1	NA	NA	NA	ND	ND
Ethylbenzene	1000	1000	100	NA	NA	NA	ND	ND
Total Xylenes	410	1000	67	NA	NA	NA	ND	ND
Styrene	23	97	100	NA	NA	NA	ND	ND
Bromoform	86	370	1	NA	NA	NA	ND	ND
Isopropylbenzene	~	~	~	NA	NA	NA	ND	ND
1,1,2,2-Tetrachloroethane	34	70	1	NA	NA	NA	ND	ND
1,3-Dichlorobenzene	5100	10000	100	NA	NA	NA	ND	ND
1,4-Dichlorobenzene	570	10000	100	NA	NA	NA	ND	ND
1,2-Dichlorobenzene	5100	10000	50	NA	NA	NA	ND	ND
1,2-Dibromo-3-chloropropane	~	~	~	NA	NA	NA	ND	ND
1,2,4-Trichlorobenzene	68	1200	100	NA	NA	NA	ND	ND
1,2,3-Trichlorobenzene	~	~	~	NA	NA	NA	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	NA	NA	NA	ND	ND
Methyl Acetate	~	~	~	NA	NA	NA	ND	ND
Cyclohexane	~	~	~	NA	NA	NA	ND	ND
Methylcyclohexane	~	~	~	NA	NA	NA	ND	ND
TOTAL TARGETED VOCs	NA	NA	NA	ND	ND	ND	ND	ND
TOTAL TICs	NA	NA	NA	NA	NA	NA	ND	ND
TOTAL VOCs & TICs	NA	NA	NA	ND	ND	ND	ND	ND

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	SB18	SB19	SB19	SB20	SB20
			Sample Depth:	9.2-9.7	10.2-10.7	15.6-16.1	7.8-8.3	15.4-15.9
			Elevation:	4.3-3.8	3.2-2.7	-2.2 to -2.7	6.0-5.5	-1.6 to -2.1
			Lab ID:	2526-002	2503-001	2503-002	2456-001	2456-002
			Date Sampled:	04/09/2002	04/08/2002	04/08/2002	04/05/2002	04/05/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	NA	NA	NA	NA	NA
Chloromethane	520	1000	10	NA	NA	NA	NA	NA
Vinyl Chloride	2	7	10	NA	NA	NA	NA	NA
Bromomethane	79	1000	1	NA	NA	NA	NA	NA
Chloroethane	~	~	~	NA	NA	NA	NA	NA
Trichlorofluoromethane	~	~	~	NA	NA	NA	NA	NA
1,1-Dichloroethene	8	150	10	NA	NA	NA	NA	NA
Acetone	1000	1000	100	NA	NA	NA	NA	NA
Carbon Disulfide	~	~	~	NA	NA	NA	NA	NA
Methylene Chloride	49	210	1	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	1000	1000	50	NA	NA	NA	NA	NA
Methyl-t-Butyl Ether(MTBE)	~	~	~	NA	NA	NA	NA	NA
1,1-Dichloroethane	570	1000	10	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	79	1000	1	NA	NA	NA	NA	NA
2-Butanone(MEK)	1000	1000	50	NA	NA	NA	NA	NA
Bromochloromethane	~	~	~	NA	NA	NA	NA	NA
Chloroform	19	28	1	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	210	1000	50	NA	NA	NA	NA	NA
Carbon Tetrachloride	2	4	1	NA	NA	NA	NA	NA
1,2-Dichloroethane(EDC)	6	24	1	NA	NA	NA	NA	NA
Benzene	3	13	1	0.977	**1.21**	ND	0.597 j	ND
Trichloroethene	23	54	1	NA	NA	NA	NA	NA
1,2-Dichloropropane	10	43	~	NA	NA	NA	NA	NA
Bromodichloromethane	11	46	1	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	~	~	~	NA	NA	NA	NA	NA
4-Methyl-2-pentanone(MIBK)	1000	1000	50	NA	NA	NA	NA	NA
Toluene	1000	1000	500	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	~	~	~	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	22	420	1	NA	NA	NA	NA	NA
Tetrachloroethene	4	6	1	NA	NA	NA	NA	NA
2-Hexanone	~	~	~	NA	NA	NA	NA	NA
Dibromochloromethane	110	1000	1	NA	NA	NA	NA	NA
1,2-Dibromoethane(EDB)	~	~	~	NA	NA	NA	NA	NA
Chlorobenzene	37	680	1	NA	NA	NA	NA	NA
Ethylbenzene	1000	1000	100	NA	NA	NA	NA	NA
Total Xylenes	410	1000	67	NA	NA	NA	NA	NA
Styrene	23	97	100	NA	NA	NA	NA	NA
Bromoform	86	370	1	NA	NA	NA	NA	NA
Isopropylbenzene	~	~	~	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	34	70	1	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	5100	10000	100	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	570	10000	100	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	5100	10000	50	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	~	~	~	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	68	1200	100	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	~	~	~	NA	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	NA	NA	NA	NA	NA
Methyl Acetate	~	~	~	NA	NA	NA	NA	NA
Cyclohexane	~	~	~	NA	NA	NA	NA	NA
Methylcyclohexane	~	~	~	NA	NA	NA	NA	NA
TOTAL TARGETED VOCs	NA	NA	NA	0.977	1.21	ND	0.597	ND
TOTAL TICs	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs & TICs	NA	NA	NA	0.977	1.21	ND	0.597	ND

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	SB21	SB22	SB23	SB24	SB26
			Sample Depth:	5.5-6.0	6.8-7.3	14.4-14.9	14.4-14.9	11.1-11.6
			Elevation:	2.8-2.3	6.0-5.5	-1.6 to -2.1	0.1 to -0.4	1.5-1.0
			Lab ID:	2960-001	2370-007	2370-003	2486-005	2396-004
			Date Sampled:	04/25/2002	04/03/2002	04/03/2002	04/06/2002	04/04/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	ND	NA	NA	NA	NA
Chloromethane	520	1000	10	ND	NA	NA	NA	NA
Vinyl Chloride	2	7	10	ND	NA	NA	NA	NA
Bromomethane	79	1000	1	ND	NA	NA	NA	NA
Chloroethane	~	~	~	ND	NA	NA	NA	NA
Trichlorofluoromethane	~	~	~	ND	NA	NA	NA	NA
1,1-Dichloroethene	8	150	10	ND	NA	NA	NA	NA
Acetone	1000	1000	100	ND	NA	NA	NA	NA
Carbon Disulfide	~	~	~	ND	NA	NA	NA	NA
Methylene Chloride	49	210	1	ND	NA	NA	NA	NA
trans-1,2-Dichloroethene	1000	1000	50	ND	NA	NA	NA	NA
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND	NA	NA	NA	NA
1,1-Dichloroethane	570	1000	10	ND	NA	NA	NA	NA
cis-1,2-Dichloroethene	79	1000	1	ND	NA	NA	NA	NA
2-Butanone(MEK)	1000	1000	50	ND	NA	NA	NA	NA
Bromochloromethane	~	~	~	ND	NA	NA	NA	NA
Chloroform	19	28	1	ND	NA	NA	NA	NA
1,1,1-Trichloroethane	210	1000	50	ND	NA	NA	NA	NA
Carbon Tetrachloride	2	4	1	ND	NA	NA	NA	NA
1,2-Dichloroethane(EDC)	6	24	1	ND	NA	NA	NA	NA
Benzene	3	13	1	ND	ND	ND	ND	ND
Trichloroethene	23	54	1	ND	NA	NA	NA	NA
1,2-Dichloropropane	10	43	~	ND	NA	NA	NA	NA
Bromodichloromethane	11	46	1	ND	NA	NA	NA	NA
cis-1,3-Dichloropropene	~	~	~	ND	NA	NA	NA	NA
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND	NA	NA	NA	NA
Toluene	1000	1000	500	ND	NA	NA	NA	NA
trans-1,3-Dichloropropene	~	~	~	ND	NA	NA	NA	NA
1,1,2-Trichloroethane	22	420	1	ND	NA	NA	NA	NA
Tetrachloroethene	4	6	1	ND	NA	NA	NA	NA
2-Hexanone	~	~	~	ND	NA	NA	NA	NA
Dibromochloromethane	110	1000	1	ND	NA	NA	NA	NA
1,2-Dibromoethane(EDB)	~	~	~	ND	NA	NA	NA	NA
Chlorobenzene	37	680	1	ND	NA	NA	NA	NA
Ethylbenzene	1000	1000	100	ND	NA	NA	NA	NA
Total Xylenes	410	1000	67	ND	NA	NA	NA	NA
Styrene	23	97	100	ND	NA	NA	NA	NA
Bromoform	86	370	1	ND	NA	NA	NA	NA
Isopropylbenzene	~	~	~	ND	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	34	70	1	ND	NA	NA	NA	NA
1,3-Dichlorobenzene	5100	10000	100	ND	NA	NA	NA	NA
1,4-Dichlorobenzene	570	10000	100	ND	NA	NA	NA	NA
1,2-Dichlorobenzene	5100	10000	50	ND	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	~	~	~	ND	NA	NA	NA	NA
1,2,4-Trichlorobenzene	68	1200	100	ND	NA	NA	NA	NA
1,2,3-Trichlorobenzene	~	~	~	ND	NA	NA	NA	NA
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND	NA	NA	NA	NA
Methyl Acetate	~	~	~	ND	NA	NA	NA	NA
Cyclohexane	~	~	~	ND	NA	NA	NA	NA
Methylcyclohexane	~	~	~	ND	NA	NA	NA	NA
TOTAL TARGETED VOCs	NA	NA	NA	ND	ND	ND	ND	ND
TOTAL TICs	NA	NA	NA	ND	NA	NA	NA	NA
TOTAL VOCs & TICs	NA	NA	NA	ND	ND	ND	ND	ND

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	SB27	SB29	SB30	TP1	TP1
			Sample Depth:	2.4-2.9	12.5-13	8.1-8.6	7.0-7.5	10-10.5
			Elevation:	11.2-10.7	3.7-3.2	8.1-7.6	5.2-4.7	2.2-1.7
			Lab ID:	2486-001	2555-015	2555-011	2626-009	2626-010
			Date Sampled:	04/06/2002	04/10/2002	04/10/2002	04/12/2002	04/12/2002
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***					
Dichlorodifluoromethane	~	~	~	ND	NA	NA	ND	ND
Chloromethane	520	1000	10	ND	NA	NA	ND	ND
Vinyl Chloride	2	7	10	ND	NA	NA	ND	ND
Bromomethane	79	1000	1	ND	NA	NA	ND	ND
Chloroethane	~	~	~	ND	NA	NA	ND	ND
Trichlorofluoromethane	~	~	~	ND	NA	NA	ND	ND
1,1-Dichloroethene	8	150	10	ND	NA	NA	ND	ND
Acetone	1000	1000	100	ND	NA	NA	ND	ND
Carbon Disulfide	~	~	~	ND	NA	NA	ND	ND
Methylene Chloride	49	210	1	ND	NA	NA	ND	ND
trans-1,2-Dichloroethene	1000	1000	50	ND	NA	NA	ND	ND
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND	NA	NA	ND	ND
1,1-Dichloroethane	570	1000	10	ND	NA	NA	ND	ND
cis-1,2-Dichloroethene	79	1000	1	ND	NA	NA	ND	ND
2-Butanone(MEK)	1000	1000	50	ND	NA	NA	ND	ND
Bromochloromethane	~	~	~	ND	NA	NA	ND	ND
Chloroform	19	28	1	ND	NA	NA	ND	ND
1,1,1-Trichloroethane	210	1000	50	ND	NA	NA	ND	ND
Carbon Tetrachloride	2	4	1	ND	NA	NA	ND	ND
1,2-Dichloroethane(EDC)	6	24	1	ND	NA	NA	ND	ND
Benzene	3	13	1	ND	ND	ND	ND	ND
Trichloroethene	23	54	1	ND	NA	NA	ND	ND
1,2-Dichloropropane	10	43	~	ND	NA	NA	ND	ND
Bromodichloromethane	11	46	1	ND	NA	NA	ND	ND
cis-1,3-Dichloropropene	~	~	~	ND	NA	NA	ND	ND
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND	NA	NA	ND	ND
Toluene	1000	1000	500	ND	NA	NA	ND	ND
trans-1,3-Dichloropropene	~	~	~	ND	NA	NA	ND	ND
1,1,2-Trichloroethane	22	420	1	ND	NA	NA	ND	ND
Tetrachloroethene	4	6	1	ND	NA	NA	ND	ND
2-Hexanone	~	~	~	ND	NA	NA	ND	ND
Dibromochloromethane	110	1000	1	ND	NA	NA	ND	ND
1,2-Dibromoethane(EDB)	~	~	~	ND	NA	NA	ND	ND
Chlorobenzene	37	680	1	ND	NA	NA	ND	ND
Ethylbenzene	1000	1000	100	ND	NA	NA	ND	ND
Total Xylenes	410	1000	67	ND	NA	NA	ND	ND
Styrene	23	97	100	ND	NA	NA	ND	ND
Bromoform	86	370	1	ND	NA	NA	ND	ND
Isopropylbenzene	~	~	~	ND	NA	NA	ND	ND
1,1,2,2-Tetrachloroethane	34	70	1	ND	NA	NA	ND	ND
1,3-Dichlorobenzene	5100	10000	100	ND	NA	NA	ND	ND
1,4-Dichlorobenzene	570	10000	100	ND	NA	NA	ND	ND
1,2-Dichlorobenzene	5100	10000	50	ND	NA	NA	ND	ND
1,2-Dibromo-3-chloropropane	~	~	~	ND	NA	NA	ND	ND
1,2,4-Trichlorobenzene	68	1200	100	ND	NA	NA	ND	ND
1,2,3-Trichlorobenzene	~	~	~	ND	NA	NA	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND	NA	NA	ND	ND
Methyl Acetate	~	~	~	0.884	NA	NA	ND	ND
Cyclohexane	~	~	~	ND	NA	NA	ND	ND
Methylcyclohexane	~	~	~	ND	NA	NA	ND	ND
TOTAL TARGETED VOCs	NA	NA	NA	0.884	ND	ND	ND	ND
TOTAL TICs	NA	NA	NA	ND	NA	NA	16.7	17.8
TOTAL VOCs & TICs	NA	NA	NA	0.884	ND	ND	16.7	17.8

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	B10-0		B11-0		B11-0		B18-0		B18-0	
			Sample Depth:	5.0-5.5		5.5-6.0		10.5-11		1.0-1.5		6.5-7.0	
			Elevation:	3.5-3.0		2.9-2.4		-2.1 to -2.6		7.3-6.8		1.8-1.3	
			Lab ID:	2922-003		2922-006		2922-007		3013-003		3013-004	
			Date Sampled:	04/24/2002		04/24/2002		04/24/2002		04/26/2002		04/26/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		ND		ND		ND		ND	
Chloromethane	520	1000	10	ND		ND		ND		ND		ND	
Vinyl Chloride	2	7	10	ND		ND		ND		ND		ND	
Bromomethane	79	1000	1	ND		ND		ND		ND		ND	
Chloroethane	~	~	~	ND		ND		ND		ND		ND	
Trichlorofluoromethane	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethene	8	150	10	ND		ND		ND		ND		ND	
Acetone	1000	1000	100	ND		ND		ND		ND		ND	
Carbon Disulfide	~	~	~	ND		ND		ND		ND		ND	
Methylene Chloride	49	210	1	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		ND		ND		ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethane	570	1000	10	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		ND		ND		ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		ND		ND		ND		ND	
Bromochloromethane	~	~	~	ND		ND		ND		ND		ND	
Chloroform	19	28	1	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		ND		ND		ND		ND	
Carbon Tetrachloride	2	4	1	ND		ND		ND		ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		ND		ND		ND		ND	
Benzene	3	13	1	ND		ND		ND		ND		0.27	J
Trichloroethene	23	54	1	ND		ND		ND		ND		ND	
1,2-Dichloropropane	10	43	~	ND		ND		ND		ND		ND	
Bromodichloromethane	11	46	1	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		ND		ND		ND		ND	
Toluene	1000	1000	500	ND		ND		ND		ND		0.16	J
trans-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		ND		ND		ND		ND	
Tetrachloroethene	4	6	1	ND		ND		ND		ND		ND	
2-Hexanone	~	~	~	ND		ND		ND		ND		ND	
Dibromochloromethane	110	1000	1	ND		ND		ND		ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		ND		ND		ND		ND	
Chlorobenzene	37	680	1	ND		ND		ND		ND		ND	
Ethylbenzene	1000	1000	100	ND		ND		ND		ND		0.20	J
Total Xylenes	410	1000	67	ND		ND		ND		ND		ND	
Styrene	23	97	100	ND		ND		ND		ND		ND	
Bromoform	86	370	1	ND		ND		ND		ND		ND	
Isopropylbenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		ND		ND		ND		ND	
Methyl Acetate	~	~	~	ND		ND		ND		ND		ND	
Cyclohexane	~	~	~	ND		ND		ND		ND		ND	
Methylcyclohexane	~	~	~	ND		ND		ND		ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND		ND		ND		0.64	
TOTAL TICs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND		ND		ND		0.64	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	FB032002		FB032202		FB032602		FB032902		FB040102	
			Sample Depth:	--		--		--		--		--	
			Elevation:	--		--		--		--		--	
			Lab ID:	1998-003		2077-001		2140-001		2245-001		2276-001	
			Date Sampled:	03/20/2002		03/22/2002		03/26/2002		03/29/2002		04/01/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		ND		ND		ND		ND	
Chloromethane	520	1000	10	ND		ND		ND		ND		ND	
Vinyl Chloride	2	7	10	ND		ND		ND		ND		ND	
Bromomethane	79	1000	1	ND		ND		ND		ND		ND	
Chloroethane	~	~	~	ND		ND		ND		ND		ND	
Trichlorofluoromethane	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethene	8	150	10	ND		ND		ND		ND		ND	
Acetone	1000	1000	100	ND		ND		ND		ND		ND	
Carbon Disulfide	~	~	~	ND		ND		ND		ND		ND	
Methylene Chloride	49	210	1	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		ND		ND		ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethane	570	1000	10	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		ND		ND		ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		ND		ND		ND		ND	
Bromochloromethane	~	~	~	ND		ND		ND		ND		ND	
Chloroform	19	28	1	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		ND		ND		ND		ND	
Carbon Tetrachloride	2	4	1	ND		ND		ND		ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		ND		ND		ND		ND	
Benzene	3	13	1	ND		ND		ND		ND		ND	
Trichloroethene	23	54	1	ND		ND		ND		ND		ND	
1,2-Dichloropropane	10	43	~	ND		ND		ND		ND		ND	
Bromodichloromethane	11	46	1	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		ND		ND		ND		ND	
Toluene	1000	1000	500	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		ND		ND		ND		ND	
Tetrachloroethene	4	6	1	ND		ND		ND		ND		ND	
2-Hexanone	~	~	~	ND		ND		ND		ND		ND	
Dibromochloromethane	110	1000	1	ND		ND		ND		ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		ND		ND		ND		ND	
Chlorobenzene	37	680	1	ND		ND		ND		ND		ND	
Ethylbenzene	1000	1000	100	ND		ND		ND		ND		ND	
Total Xylenes	410	1000	67	ND		ND		ND		ND		ND	
Styrene	23	97	100	ND		ND		ND		ND		ND	
Bromoform	86	370	1	ND		ND		ND		ND		ND	
Isopropylbenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		ND		ND		ND		ND	
Methyl Acetate	~	~	~	ND		ND		ND		ND		ND	
Cyclohexane	~	~	~	ND		ND		ND		ND		ND	
Methylcyclohexane	~	~	~	ND		ND		ND		ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL TICs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND		ND		ND		ND	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	FB040402		FB040902		FB041102		FB042402		FB042602	
			Sample Depth:	--		--		--		--		--	
			Elevation:	--		--		--		--		--	
			Lab ID:	2396-006		2526-001		2600-001		2922-010		3013-012	
			Date Sampled:	04/04/2002		04/09/2002		04/11/2002		04/24/2002		04/26/2002	
Volatiles (ppm)	***USCC***	***RSCC***	***IGWSCC***										
Dichlorodifluoromethane	~	~	~	ND		ND		ND		ND		ND	
Chloromethane	520	1000	10	ND		ND		ND		ND		ND	
Vinyl Chloride	2	7	10	ND		ND		ND		ND		ND	
Bromomethane	79	1000	1	ND		ND		ND		ND		ND	
Chloroethane	~	~	~	ND		ND		ND		ND		ND	
Trichlorofluoromethane	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethene	8	150	10	ND		ND		ND		ND		ND	
Acetone	1000	1000	100	ND		ND		ND		ND		ND	
Carbon Disulfide	~	~	~	ND		ND		ND		ND		ND	
Methylene Chloride	49	210	1	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		ND		ND		ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		ND		ND		ND		ND	
1,1-Dichloroethane	570	1000	10	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		ND		ND		ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		ND		ND		ND		ND	
Bromochloromethane	~	~	~	ND		ND		ND		ND		ND	
Chloroform	19	28	1	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		ND		ND		ND		ND	
Carbon Tetrachloride	2	4	1	ND		ND		ND		ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		ND		ND		ND		ND	
Benzene	3	13	1	ND		ND		ND		ND		ND	
Trichloroethene	23	54	1	ND		ND		ND		ND		ND	
1,2-Dichloropropane	10	43	~	ND		ND		ND		ND		ND	
Bromodichloromethane	11	46	1	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		ND		ND		ND		ND	
Toluene	1000	1000	500	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		ND		ND		ND		ND	
Tetrachloroethene	4	6	1	ND		ND		ND		ND		ND	
2-Hexanone	~	~	~	ND		ND		ND		ND		ND	
Dibromochloromethane	110	1000	1	ND		ND		ND		ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		ND		ND		ND		ND	
Chlorobenzene	37	680	1	ND		ND		ND		ND		ND	
Ethylbenzene	1000	1000	100	ND		ND		ND		ND		ND	
Total Xylenes	410	1000	67	ND		ND		ND		ND		ND	
Styrene	23	97	100	ND		ND		ND		ND		ND	
Bromoform	86	370	1	ND		ND		ND		ND		ND	
Isopropylbenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		ND		ND		ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		ND		ND		ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		ND		ND		ND		ND	
Methyl Acetate	~	~	~	ND		ND		ND		ND		ND	
Cyclohexane	~	~	~	ND		ND		ND		ND		ND	
Methylcyclohexane	~	~	~	ND		ND		ND		ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL TICs	NA	NA	NA	ND		ND		ND		ND		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND		ND		ND		ND	

Table II
Summary of Volatile Organic Compounds in Soil

			Client ID:	FB050102		FB050302	
			Sample Depth:	--		--	
			Elevation:	--		--	
			Lab ID:	3193-014		3229-001	
			Date Sampled:	05/01/2002		05/03/2002	
Volatiles (ppm)	*USCC*	*RSCC*	*IGWSCC*				
Dichlorodifluoromethane	~	~	~	ND		ND	
Chloromethane	520	1000	10	ND		ND	
Vinyl Chloride	2	7	10	ND		ND	
Bromomethane	79	1000	1	ND		ND	
Chloroethane	~	~	~	ND		ND	
Trichlorofluoromethane	~	~	~	ND		ND	
1,1-Dichloroethene	8	150	10	ND		ND	
Acetone	1000	1000	100	ND		ND	
Carbon Disulfide	~	~	~	ND		ND	
Methylene Chloride	49	210	1	ND		ND	
trans-1,2-Dichloroethene	1000	1000	50	ND		ND	
Methyl-t-Butyl Ether(MTBE)	~	~	~	ND		ND	
1,1-Dichloroethane	570	1000	10	ND		ND	
cis-1,2-Dichloroethene	79	1000	1	ND		ND	
2-Butanone(MEK)	1000	1000	50	ND		ND	
Bromochloromethane	~	~	~	ND		ND	
Chloroform	19	28	1	ND		ND	
1,1,1-Trichloroethane	210	1000	50	ND		ND	
Carbon Tetrachloride	2	4	1	ND		ND	
1,2-Dichloroethane(EDC)	6	24	1	ND		ND	
Benzene	3	13	1	ND		ND	
Trichloroethene	23	54	1	ND		ND	
1,2-Dichloropropane	10	43	~	ND		ND	
Bromodichloromethane	11	46	1	ND		ND	
cis-1,3-Dichloropropene	~	~	~	ND		ND	
4-Methyl-2-pentanone(MIBK)	1000	1000	50	ND		ND	
Toluene	1000	1000	500	ND		ND	
trans-1,3-Dichloropropene	~	~	~	ND		ND	
1,1,2-Trichloroethane	22	420	1	ND		ND	
Tetrachloroethene	4	6	1	ND		ND	
2-Hexanone	~	~	~	ND		ND	
Dibromochloromethane	110	1000	1	ND		ND	
1,2-Dibromoethane(EDB)	~	~	~	ND		ND	
Chlorobenzene	37	680	1	ND		ND	
Ethylbenzene	1000	1000	100	ND		ND	
Total Xylenes	410	1000	67	ND		ND	
Styrene	23	97	100	ND		ND	
Bromoform	86	370	1	ND		ND	
Isopropylbenzene	~	~	~	ND		ND	
1,1,2,2-Tetrachloroethane	34	70	1	ND		ND	
1,3-Dichlorobenzene	5100	10000	100	ND		ND	
1,4-Dichlorobenzene	570	10000	100	ND		ND	
1,2-Dichlorobenzene	5100	10000	50	ND		ND	
1,2-Dibromo-3-chloropropane	~	~	~	ND		ND	
1,2,4-Trichlorobenzene	68	1200	100	ND		ND	
1,2,3-Trichlorobenzene	~	~	~	ND		ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	~	~	~	ND		ND	
Methyl Acetate	~	~	~	ND		ND	
Cyclohexane	~	~	~	ND		ND	
Methylcyclohexane	~	~	~	ND		ND	
TOTAL TARGETED VOCs	NA	NA	NA	ND		ND	
TOTAL TICs	NA	NA	NA	ND		ND	
TOTAL VOCs & TICs	NA	NA	NA	ND		ND	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	C3(4)		C3(4)		C3(4)		C3(4)		C3(5)		C3(5)	
			Sample Depth:	1.5-2.0		3.5-4		14.5-15		20-20.5		1.5-2		10-10.5	
			Elevation:	10.8-10.3		8.8 to 8.3		-2.2 to -2.7		-7.7 to -8.2		10.8 to 10.3		2.3 to 2.8	
			Lab ID:	2140-002		2140-003		2140-004		2077-008		2140-005		2077-003	
			Date Sampled:	03/26/2002		03/26/2002		03/26/2002		03/22/2002		03/26/2002		03/22/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		ND		ND		NA		ND		ND	
Phenol	10000	10000	50	NA		ND		ND		NA		ND		ND	
bis(2-Chloroethyl)ether	0.66	3	10	NA		ND		ND		NA		ND		ND	
2-Chlorophenol	280	5200	10	NA		ND		ND		NA		ND		ND	
2-Methylphenol	2800	10000	~	NA		ND		ND		NA		ND		ND	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		ND		ND		NA		ND		ND	
4-Methylphenol	2800	10000	~	NA		ND		ND		NA		ND		ND	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		ND		ND		NA		ND		ND	
Acetophenone	~	~	~	NA		ND		ND		NA		ND		ND	
Hexachloroethane	6	100	100	NA		ND		ND		NA		ND		ND	
Nitrobenzene	28	520	10	NA		ND		ND		NA		ND		ND	
Isophorone	1100	10000	50	NA		ND		ND		NA		ND		ND	
2-Nitrophenol	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dimethylphenol	1100	10000	10	NA		ND		ND		NA		ND		ND	
bis(2-Chloroethoxy)methane	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dichlorophenol	170	3100	10	NA		ND		ND		NA		ND		ND	
Naphthalene	230	4200	100	1.96		**465**		6.77		ND		0.671		**912**	
4-Chloroaniline	230	4200	~	NA		ND		ND		NA		ND		ND	
Hexachlorobutadiene	1	21	100	NA		ND		ND		NA		ND		ND	
Caprolactam	~	~	~	NA		ND		ND		NA		ND		ND	
4-Chloro-3-methylphenol	10000	10000	100	NA		ND		ND		NA		ND		ND	
2-Methylnaphthalene	~	~	~	NA		120		2.66		NA		0.414		646	
Hexachlorocyclopentadiene	400	7300	100	NA		ND		ND		NA		ND		ND	
2,4,6-Trichlorophenol	62	270	10	NA		ND		ND		NA		ND		ND	
2,4,5-Trichlorophenol	5600	10000	50	NA		ND		ND		NA		ND		ND	
1-1'-Biphenyl	~	~	~	NA		26.5	J	0.53		NA		0.133		136	
2-Chloronaphthalene	~	~	~	NA		ND		ND		NA		ND		ND	
2-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
Dimethylphthalate	10000	10000	50	NA		ND		ND		NA		ND		ND	
2,6-Dinitrotoluene				NA		ND		ND		NA		ND		ND	
Acenaphthylene	~	~	~	0.206	J	ND		0.174		ND		0.205		35.8	
3-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
Acenaphthene	3400	10000	100	2.38		**686**		2.14		0.094	J	1.21		**325**	
2,4-Dinitrophenol	110	2100	10	NA		ND		ND		NA		ND		ND	
4-Nitrophenol	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dinitrotoluene				NA		ND		ND		NA		ND		ND	
Dibenzofuran	~	~	~	NA		249		1.32		NA		0.557		279	
Diethylphthalate	10000	10000	50	NA		ND		ND		NA		ND		ND	
Fluorene	2300	10000	100	1.66		**519**		2.17		0.084	J	1.13		**291**	
4-Chlorophenyl-phenylether	~	~	~	NA		ND		ND		NA		ND		ND	
4-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		ND		ND		NA		ND		ND	
4,6-Dinitro-2-methylphenol	~	~	~	NA		ND		ND		NA		ND		ND	
N-Nitrosodiphenylamine	140	600	100	NA		ND		ND		NA		ND		ND	
4-Bromophenyl-phenylether	~	~	~	NA		ND		ND		NA		ND		ND	
Hexachlorobenzene	0.66	2	100	NA		ND		ND		NA		ND		ND	
Atrazine	~	~	~	NA		ND		ND		NA		ND		ND	
Pentachlorophenol	6	24	100	NA		ND		ND		NA		ND		ND	
Phenanthrene	~	~	~	12.6		3210		9.61		0.23		6.32		583	
Anthracene	10000	10000	100	2.55		**720**		2.24		ND		2.2		**220**	
Carbazole	~	~	~	NA		611		0.917		NA		0.792		39.5	
Di-n-butylphthalate	5700	10000	100	NA		ND		ND		NA		ND		ND	
Fluoranthene	2300	10000	100	18.4		**4590**		8.09		0.089	J	9.7		**302**	
Pyrene	1700	10000	100	11.6		**3860**		7.81		0.069	J	7.97		**198**	
Butylbenzylphthalate	1100	10000	100	NA		ND		ND		NA		ND		ND	
3,3'-Dichlorobenzidine	2	6	100	NA		ND		ND		NA		ND		ND	
Benzo[a]anthracene	0.9	4	500	**8.74**		**2710**		**3.72**		ND		**5.23**		**74.3**	
Chrysene	9	40	500	**9.16**		**2880**		4.31		ND		5.2		**68.7**	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		ND		0.281		NA		0.141		ND	
Di-n-octylphthalate	1100	10000	100	NA		ND		ND		NA		ND		ND	
Benzo[b]fluoranthene	0.9	4	50	**10.2**		**3010**		**3.65**		ND		**5.37**		**45.0**	
Benzo[k]fluoranthene	0.9	4	500	**6.34**		**1190**		**3.57**		ND		**1.9**		**18.2**	
Benzo[a]pyrene	0.66	0.66	100	**10.1**		**2360**		**4.23**		ND		**4.11**		**36.0**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	**5.51**		**1530**		**2.47**		ND		**2.62**		**18.2**	
Dibenz[a,h]anthracene	0.66	0.66	100	**1.97**		**505**		**1.07**		ND		**0.831**		**5.36**	J
Benzo[g,h,i]perylene	~	~	~	5.58		2060		2.80		ND		3.14		22.1	
TOTAL BNAs	NA	NA	NA	109	J	31301		70.5		0.561	J	59.8		4260	J
TOTAL TICs	NA	NA	NA	NA		7510		48.0		NA		8.43		1820	
TOTAL BNs & TICs	NA	NA	NA	109	J	38811		119		0.561	J	68.3		6070	J

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	C3(5)		C3(5)		C3(6)		C3(6)		C3(6)		C3(6)	
			Sample Depth:	*14.5-15*		*20-20.5*		*3.5-4*		*13.5-14*		*15.0-15.5*		*21.5-22.0*	
			Elevation:	-2.2 to -2.7		-7.7 to -8.2		8.4 to 7.9		- 1.6 to -2.1		-3.1 to -3.6		-9.6 to -10.1	
			Lab ID:	2077-004		2077-005		2140-008		2140-009		2035-005		2035-006	
			Date Sampled:	03/22/2002		03/22/2002		03/26/2002		03/26/2002		03/21/2002		03/21/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	ND		NA		ND		ND		NA		NA	
Phenol	***10000***	***10000***	***50***	ND		NA		ND		0.431		NA		NA	
bis(2-Chloroethyl)ether	***0.66***	***3***	***10***	ND		NA		ND		ND		NA		NA	
2-Chlorophenol	***280***	***5200***	***10***	ND		NA		ND		ND		NA		NA	
2-Methylphenol	***2800***	***10000***	~	ND		NA		ND		ND		NA		NA	
bis(2-chloroisopropyl)ether	***2300***	***10000***	***10***	ND		NA		ND		ND		NA		NA	
4-Methylphenol	***2800***	***10000***	~	ND		NA		ND		0.934		NA		NA	
N-Nitroso-di-n-propylamine	***0.66***	***0.66***	***10***	ND		NA		ND		ND		NA		NA	
Acetophenone	~	~	~	ND		NA		ND		ND		NA		NA	
Hexachloroethane	***6***	***100***	***100***	ND		NA		ND		ND		NA		NA	
Nitrobenzene	***28***	***520***	***10***	ND		NA		ND		ND		NA		NA	
Isophorone	***1100***	***10000***	***50***	ND		NA		ND		ND		NA		NA	
2-Nitrophenol	~	~	~	ND		NA		ND		ND		NA		NA	
2,4-Dimethylphenol	***1100***	***10000***	***10***	ND		NA		ND		ND		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	ND		NA		ND		ND		NA		NA	
2,4-Dichlorophenol	***170***	***3100***	***10***	ND		NA		ND		ND		NA		NA	
Naphthalene	***230***	***4200***	***100***	**306**		ND		2.07		9.9		27.9		ND	
4-Chloroaniline	***230***	***4200***	~	ND		NA		ND		ND		NA		NA	
Hexachlorobutadiene	***1***	***21***	***100***	ND		NA		ND		ND		NA		NA	
Caprolactam	~	~	~	ND		NA		ND		ND		NA		NA	
4-Chloro-3-methylphenol	***10000***	***10000***	***100***	ND		NA		ND		ND		NA		NA	
2-Methylnaphthalene	~	~	~	196		NA		1.32		3.18		NA		NA	
Hexachlorocyclopentadiene	***400***	***7300***	***100***	ND		NA		ND		ND		NA		NA	
2,4,6-Trichlorophenol	***62***	***270***	***10***	ND		NA		ND		ND		NA		NA	
2,4,5-Trichlorophenol	***5600***	***10000***	***50***	ND		NA		ND		ND		NA		NA	
1-1'-Biphenyl	~	~	~	38.6		NA		0.319		0.878		NA		NA	
2-Chloronaphthalene	~	~	~	ND		NA		ND		ND		NA		NA	
2-Nitroaniline	~	~	~	ND		NA		ND		ND		NA		NA	
Dimethylphthalate	***10000***	***10000***	***50***	ND		NA		ND		ND		NA		NA	
2,6-Dinitrotoluene				ND		NA		ND		ND		NA		NA	
Acenaphthylene	~	~	~	13.0		ND		0.216		0.252	J	0.798		ND	
3-Nitroaniline	~	~	~	ND		NA		ND		ND		NA		NA	
Acenaphthene	***3400***	***10000***	***100***	**118**		ND		1.27		2.74		9.44		ND	
2,4-Dinitrophenol	***110***	***2100***	***10***	ND		NA		ND		ND		NA		NA	
4-Nitrophenol	~	~	~	ND		NA		ND		ND		NA		NA	
2,4-Dinitrotoluene				ND		NA		ND		ND		NA		NA	
Dibenzofuran	~	~	~	87.4		NA		0.987		2.48		NA		NA	
Diethylphthalate	***10000***	***10000***	***50***	ND		NA		ND		ND		NA		NA	
Fluorene	***2300***	***10000***	***100***	**124**		ND		1.75		4.06		11.3		ND	
4-Chlorophenyl-phenylether	~	~	~	ND		NA		ND		ND		NA		NA	
4-Nitroaniline	~	~	~	ND		NA		ND		ND		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	ND		NA		ND		ND		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	ND		NA		ND		ND		NA		NA	
N-Nitrosodiphenylamine	***140***	***600***	***100***	ND		NA		ND		ND		NA		NA	
4-Bromophenyl-phenylether	~	~	~	ND		NA		ND		ND		NA		NA	
Hexachlorobenzene	***0.66***	***2***	***100***	ND		NA		ND		ND		NA		NA	
Atrazine	~	~	~	ND		NA		ND		ND		NA		NA	
Pentachlorophenol	***6***	***24***	***100***	ND		NA		ND		ND		NA		NA	
Phenanthrene	~	~	~	264		0.074	J	6.35		12.0		30.6		ND	
Anthracene	***10000***	***10000***	***100***	79.3		0.091	J	2.52		3.19		5.44		ND	
Carbazole	~	~	~	12.6		NA		0.765		0.825		NA		NA	
Di-n-butylphthalate	***5700***	***10000***	***100***	ND		NA		ND		ND		NA		NA	
Fluoranthene	***2300***	***10000***	***100***	**141**		0.306		6.98		6.89		19.9		ND	
Pyrene	***1700***	***10000***	***100***	**108**		0.213		5.56		6.29		14.2		ND	
Butylbenzylphthalate	***1100***	***10000***	***100***	ND		NA		ND		ND		NA		NA	
3,3'-Dichlorobenzidine	***2***	***6***	***100***	ND		NA		ND		ND		NA		NA	
Benzo[a]anthracene	***0.9***	***4***	***500***	**36.8**		0.083	J	**3.19**		**2.41**		**6.14**		ND	
Chrysene	***9***	***40***	***500***	**33.4**		0.073	J	3.19		2.76		5.45		ND	
bis(2-Ethylhexyl)phthalate	***49***	***210***	***100***	ND		NA		0.241		0.337		NA		NA	
Di-n-octylphthalate	***1100***	***10000***	***100***	ND		NA		ND		ND		NA		NA	
Benzo[b]fluoranthene	***0.9***	***4***	***50***	**17.6**		ND		**2.88**		**1.45**		**4.96**		ND	
Benzo[k]fluoranthene	***0.9***	***4***	***500***	**22.4**		ND		**1.31**		**2.24**		**1.87**		ND	
Benzo[a]pyrene	***0.66***	***0.66***	***100***	**24.6**		ND		**2.33**		**2.18**		**3.97**		ND	
Indeno[1,2,3-cd]pyrene	***0.9***	***4***	***500***	**10.4**		ND		**1.46**		**1.05**		**2.26**		ND	
Dibenz[a,h]anthracene	***0.66***	***0.66***	***100***	**4.14**		ND		0.457		0.489		0.639		ND	
Benzo[g,h,i]perylene	~	~	~	10.5		ND		1.8		1.23		2.74		ND	
TOTAL BNAs	***NA***	***NA***	***NA***	1650		0.839	J	47.0		68.2	J	147.6		ND	
TOTAL TICs	***NA***	***NA***	***NA***	179		NA		5.58		4.88		NA		NA	
TOTAL BNs & TICs	***NA***	***NA***	***NA***	1830		0.839	J	52.5		73.1		147.6		ND	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	C3(10)		C3(10)		C3(10)		C3(14)		C3(14)		C3(14)	
			Sample Depth:	1-1.5		7.5-8		15-15.5		1.5-2		8.5-9		16.5-17.0	
			Elevation:	12.1 to 11.6		5.6 to 5.1		-1.9 to -2.4		11.2 to 10.7		4.2 to 3.7		-3.8 to -4.3	
			Lab ID:	2113-001		2113-003		2113-004		2113-018		2113-020		2035-001	
			Date Sampled:	03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/20/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	ND		ND		NA		ND		ND		NA	
Phenol	10000	10000	50	ND		ND		NA		ND		ND		NA	
bis(2-Chloroethyl)ether	0.66	3	10	ND		ND		NA		ND		ND		NA	
2-Chlorophenol	280	5200	10	ND		ND		NA		ND		ND		NA	
2-Methylphenol	2800	10000	~	ND		ND		NA		ND		ND		NA	
bis(2-chloroisopropyl)ether	2300	10000	10	ND		ND		NA		ND		ND		NA	
4-Methylphenol	2800	10000	~	ND		ND		NA		ND		ND		NA	
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND		ND		NA		ND		ND		NA	
Acetophenone	~	~	~	ND		ND		NA		ND		ND		NA	
Hexachloroethane	6	100	100	ND		ND		NA		ND		ND		NA	
Nitrobenzene	28	520	10	ND		ND		NA		ND		ND		NA	
Isophorone	1100	10000	50	ND		ND		NA		ND		ND		NA	
2-Nitrophenol	~	~	~	ND		ND		NA		ND		ND		NA	
2,4-Dimethylphenol	1100	10000	10	ND		ND		NA		ND		ND		NA	
bis(2-Chloroethoxy)methane	~	~	~	ND		ND		NA		ND		ND		NA	
2,4-Dichlorophenol	170	3100	10	ND		ND		NA		ND		ND		NA	
Naphthalene	230	4200	100	0.111		0.285		ND		0.078	J	7.25		ND	
4-Chloroaniline	230	4200	~	ND		ND		NA		ND		ND		NA	
Hexachlorobutadiene	1	21	100	ND		ND		NA		ND		ND		NA	
Caprolactam	~	~	~	ND		ND		NA		ND		ND		NA	
4-Chloro-3-methylphenol	10000	10000	100	ND		ND		NA		ND		ND		NA	
2-Methylnaphthalene	~	~	~	ND		ND		NA		ND		2.33		NA	
Hexachlorocyclopentadiene	400	7300	100	ND		ND		NA		ND		ND		NA	
2,4,6-Trichlorophenol	62	270	10	ND		ND		NA		ND		ND		NA	
2,4,5-Trichlorophenol	5600	10000	50	ND		ND		NA		ND		ND		NA	
1-1'-Biphenyl	~	~	~	ND		ND		NA		ND		0.565		NA	
2-Chloronaphthalene	~	~	~	ND		ND		NA		ND		ND		NA	
2-Nitroaniline	~	~	~	ND		ND		NA		ND		ND		NA	
Dimethylphthalate	10000	10000	50	ND		ND		NA		ND		ND		NA	
2,6-Dinitrotoluene				ND		ND		NA		ND		ND		NA	
Acenaphthylene	~	~	~	ND		ND		ND		ND		0.366		ND	
3-Nitroaniline	~	~	~	ND		ND		NA		ND		ND		NA	
Acenaphthene	3400	10000	100	0.279		0.544		ND		ND		5.56		ND	
2,4-Dinitrophenol	110	2100	10	ND		ND		NA		ND		ND		NA	
4-Nitrophenol	~	~	~	ND		ND		NA		ND		ND		NA	
2,4-Dinitrotoluene				ND		ND		NA		ND		ND		NA	
Dibenzofuran	~	~	~	0.098	J	0.202	J	NA		ND		3.12		NA	
Diethylphthalate	10000	10000	50	ND		ND		NA		ND		ND		NA	
Fluorene	2300	10000	100	0.224		0.460		ND		ND		4.63		ND	
4-Chlorophenyl-phenylether	~	~	~	ND		ND		NA		ND		ND		NA	
4-Nitroaniline	~	~	~	ND		ND		NA		ND		ND		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	ND		ND		NA		ND		ND		NA	
4,6-Dinitro-2-methylphenol	~	~	~	ND		ND		NA		ND		ND		NA	
N-Nitrosodiphenylamine	140	600	100	ND		ND		NA		ND		ND		NA	
4-Bromophenyl-phenylether	~	~	~	ND		ND		NA		ND		ND		NA	
Hexachlorobenzene	0.66	2	100	ND		ND		NA		ND		ND		NA	
Atrazine	~	~	~	ND		ND		NA		ND		ND		NA	
Pentachlorophenol	6	24	100	ND		ND		NA		ND		ND		NA	
Phenanthrene	~	~	~	1.89		3.89		ND		0.314		21.7		ND	
Anthracene	10000	10000	100	0.425		1.28		ND		0.084	J	6.09		ND	
Carbazole	~	~	~	0.304		0.528		NA		ND		4.09		NA	
Di-n-butylphthalate	5700	10000	100	ND		ND		NA		ND		ND		NA	
Fluoranthene	2300	10000	100	3.70		7.83		0.400		0.709		29.4		ND	
Pyrene	1700	10000	100	2.94		6.72		ND		0.620		25.2		ND	
Butylbenzylphthalate	1100	10000	100	ND		ND		NA		ND		ND		NA	
3,3'-Dichlorobenzidine	2	6	100	ND		ND		NA		ND		ND		NA	
Benzo[a]anthracene	0.9	4	500	**2.00**		**4.02**		ND		0.429		**15.0**		ND	
Chrysene	9	40	500	2.35		4.86		ND		0.427		**17.4**		ND	
bis(2-Ethylhexyl)phthalate	49	210	100	0.444		0.643		NA		0.213		0.985		NA	
Di-n-octylphthalate	1100	10000	100	ND		ND		NA		ND		ND		NA	
Benzo[b]fluoranthene	0.9	4	50	**2.65**		**4.72**		ND		0.473		**21.7**		ND	
Benzo[k]fluoranthene	0.9	4	500	**0.916**		**5.53**		ND		0.186		**11.2**		ND	
Benzo[a]pyrene	0.66	0.66	100	**1.82**		**5.50**		ND		0.343		**18.5**		ND	
Indeno[1,2,3-cd]pyrene	0.9	4	500	**1.25**		**3.66**		ND		0.222		**12.0**		ND	
Dibenz[a,h]anthracene	0.66	0.66	100	0.397		**1.83**		ND		0.073		**4.52**		ND	
Benzo[g,h,i]perylene	~	~	~	1.62		4.13		ND		0.301		12.7		ND	
TOTAL BNAs	NA	NA	NA	23.4	J	56.6	J	0.400		4.47		224.3		ND	
TOTAL TICs	NA	NA	NA	5.19		25.9		NA		ND		50.6		NA	
TOTAL BNs & TICs	NA	NA	NA	28.6		82.6	J	0.400		4.47		275		ND	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	C3(14)		C3(15)		C3(15)		C3(15)		C3(18)		C3(18)	
			Sample Depth:	21.5-22		1.5-2		10.5-11		22.5-23		1.5-2		13.5-14	
			Elevation:	-8.8 to -9.3		11.0 to 10.5		2.0 to 1.5		-10 to -10.5		11.2 to 10.7		-0.8 to -1.3	
			Lab ID:	2035-002		2113-015		2113-017		1998-05		2113-008		2113-010	
			Date Sampled:	03/21/2002		03/25/2002		03/25/2002		03/20/2002		03/25/2002		03/25/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		ND		ND		NA		ND		ND	
Phenol	10000	10000	50	NA		ND		ND		NA		ND		ND	
bis(2-Chloroethyl)ether	0.66	3	10	NA		ND		ND		NA		ND		ND	
2-Chlorophenol	280	5200	10	NA		ND		ND		NA		ND		ND	
2-Methylphenol	2800	10000	~	NA		ND		ND		NA		ND		ND	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		ND		ND		NA		ND		ND	
4-Methylphenol	2800	10000	~	NA		ND		ND		NA		ND		ND	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		ND		ND		NA		ND		ND	
Acetophenone	~	~	~	NA		ND		ND		NA		ND		ND	
Hexachloroethane	6	100	100	NA		ND		ND		NA		ND		ND	
Nitrobenzene	28	520	10	NA		ND		ND		NA		ND		ND	
Isophorone	1100	10000	50	NA		ND		ND		NA		ND		ND	
2-Nitrophenol	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dimethylphenol	1100	10000	10	NA		ND		ND		NA		ND		ND	
bis(2-Chloroethoxy)methane	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dichlorophenol	170	3100	10	NA		ND		ND		NA		ND		ND	
Naphthalene	230	4200	100	ND		0.524	J	0.173	J	ND		0.990		0.307	
4-Chloroaniline	230	4200	~	NA		ND		ND		NA		ND		ND	
Hexachlorobutadiene	1	21	100	NA		ND		ND		NA		ND		ND	
Caprolactam	~	~	~	NA		ND		ND		NA		ND		ND	
4-Chloro-3-methylphenol	10000	10000	100	NA		ND		ND		NA		ND		ND	
2-Methylnaphthalene	~	~	~	NA		0.534	J	ND		NA		0.438		ND	
Hexachlorocyclopentadiene	400	7300	100	NA		ND		ND		NA		ND		ND	
2,4,6-Trichlorophenol	62	270	10	NA		ND		ND		NA		ND		ND	
2,4,5-Trichlorophenol	5600	10000	50	NA		ND		ND		NA		ND		ND	
1-1'-Biphenyl	~	~	~	NA		ND		ND		NA		0.203		ND	
2-Chloronaphthalene	~	~	~	NA		ND		ND		NA		ND		ND	
2-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
Dimethylphthalate	10000	10000	50	NA		ND		ND		NA		ND		ND	
2,6-Dinitrotoluene				NA		ND		ND		NA		ND		ND	
Acenaphthylene	~	~	~	ND		0.733		0.206	J	ND		0.453		ND	
3-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
Acenaphthene	3400	10000	100	ND		6.69		0.609		ND		1.55		0.442	
2,4-Dinitrophenol	110	2100	10	NA		ND		ND		NA		ND		ND	
4-Nitrophenol	~	~	~	NA		ND		ND		NA		ND		ND	
2,4-Dinitrotoluene				NA		ND		ND		NA		ND		ND	
Dibenzofuran	~	~	~	NA		1.36		0.147	J	NA		1.12		0.226	J
Diethylphthalate	10000	10000	50	NA		ND		ND		NA		ND		ND	
Fluorene	2300	10000	100	ND		4.20		0.331		ND		2.05		0.457	
4-Chlorophenyl-phenylether	~	~	~	NA		ND		ND		NA		ND		ND	
4-Nitroaniline	~	~	~	NA		ND		ND		NA		ND		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		ND		ND		NA		ND		ND	
4,6-Dinitro-2-methylphenol	~	~	~	NA		ND		ND		NA		ND		ND	
N-Nitrosodiphenylamine	140	600	100	NA		ND		ND		NA		ND		ND	
4-Bromophenyl-phenylether	~	~	~	NA		ND		ND		NA		ND		ND	
Hexachlorobenzene	0.66	2	100	NA		ND		ND		NA		ND		ND	
Atrazine	~	~	~	NA		ND		ND		NA		ND		ND	
Pentachlorophenol	6	24	100	NA		ND		ND		NA		ND		ND	
Phenanthrene	~	~	~	ND		37.4		2.81		ND		9.44		2.87	
Anthracene	10000	10000	100	ND		15.6		0.918		ND		2.37		0.789	
Carbazole	~	~	~	NA		1.89		0.296		NA		1.03		0.370	
Di-n-butylphthalate	5700	10000	100	NA		ND		ND		NA		ND		ND	
Fluoranthene	2300	10000	100	ND		**105**		7.12		ND		12.2		5.46	
Pyrene	1700	10000	100	ND		88.4		6.27		ND		9.43		4.33	
Butylbenzylphthalate	1100	10000	100	NA		ND		ND		NA		ND		ND	
3,3'-Dichlorobenzidine	2	6	100	NA		ND		ND		NA		ND		ND	
Benzo[a]anthracene	0.9	4	500	ND		**60.0**		**4.08**		ND		**6.08**		**2.62**	
Chrysene	9	40	500	ND		**57.0**		4.30		ND		6.67		3.08	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		2.28		1.41		NA		0.306		0.390	
Di-n-octylphthalate	1100	10000	100	NA		ND		ND		NA		ND		ND	
Benzo[b]fluoranthene	0.9	4	50	ND		**59.6**		**4.11**		ND		**6.64**		**2.94**	
Benzo[k]fluoranthene	0.9	4	500	ND		**20.6**		**4.66**		ND		**2.57**		**2.88**	
Benzo[a]pyrene	0.66	0.66	100	ND		**44.8**		**5.05**		ND		**5.04**		**3.18**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND		**26.5**		**2.78**		ND		**3.32**		**1.84**	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		**1.92**		**1.28**		ND		**1.03**		**0.849**	
Benzo[g,h,i]perylene	~	~	~	ND		31.4		3.18		ND		4.14		2.00	
TOTAL BNAs	NA	NA	NA	ND		566.4		49.7		ND		77.1		35.0	
TOTAL TICs	NA	NA	NA	NA		134.6		5.25		NA		12.0		1.97	
TOTAL BNs & TICs	NA	NA	NA	ND		701		55.0		ND		89.1		37.0	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	C3(18)		C3(19)		C3(19)		C3(19)		SB1		SB1	
			Sample Depth:	20-20.5		3.5-4		7.5-8		15-15.5		4.4-4.9		6.8-7.3	
			Elevation:	-7.3 to -7.8		8.6 to 8.1		4.6 to 4.1		-2.9 to -3.4		8.4-7.9		6.0-6.5	
			Lab ID:	1998-001		2113-022		2113-023		2035-003		2172-002		2172-003	
			Date Sampled:	03/20/2002		03/25/2002		03/25/2002		03/21/2002		03/27/2002		03/27/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		ND		ND		NA		NA		NA	
Phenol	10000	10000	50	NA		ND		ND		NA		NA		NA	
bis(2-Chloroethyl)ether	0.66	3	10	NA		ND		ND		NA		NA		NA	
2-Chlorophenol	280	5200	10	NA		ND		ND		NA		NA		NA	
2-Methylphenol	2800	10000	~	NA		ND		ND		NA		NA		NA	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		ND		ND		NA		NA		NA	
4-Methylphenol	2800	10000	~	NA		ND		ND		NA		NA		NA	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		ND		ND		NA		NA		NA	
Acetophenone	~	~	~	NA		ND		ND		NA		NA		NA	
Hexachloroethane	6	100	100	NA		ND		ND		NA		NA		NA	
Nitrobenzene	28	520	10	NA		ND		ND		NA		NA		NA	
Isophorone	1100	10000	50	NA		ND		ND		NA		NA		NA	
2-Nitrophenol	~	~	~	NA		ND		ND		NA		NA		NA	
2,4-Dimethylphenol	1100	10000	10	NA		ND		ND		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	NA		ND		ND		NA		NA		NA	
2,4-Dichlorophenol	170	3100	10	NA		ND		ND		NA		NA		NA	
Naphthalene	230	4200	100	ND		ND		0.638		ND		0.077	J	8.45	
4-Chloroaniline	230	4200	~	NA		ND		ND		NA		NA		NA	
Hexachlorobutadiene	1	21	100	NA		ND		ND		NA		NA		NA	
Caprolactam	~	~	~	NA		ND		ND		NA		NA		NA	
4-Chloro-3-methylphenol	10000	10000	100	NA		ND		ND		NA		NA		NA	
2-Methylnaphthalene	~	~	~	NA		ND		0.185	J	NA		NA		NA	
Hexachlorocyclopentadiene	400	7300	100	NA		ND		ND		NA		NA		NA	
2,4,6-Trichlorophenol	62	270	10	NA		ND		ND		NA		NA		NA	
2,4,5-Trichlorophenol	5600	10000	50	NA		ND		ND		NA		NA		NA	
1-1'-Biphenyl	~	~	~	NA		ND		ND		NA		NA		NA	
2-Chloronaphthalene	~	~	~	NA		ND		ND		NA		NA		NA	
2-Nitroaniline	~	~	~	NA		ND		ND		NA		NA		NA	
Dimethylphthalate	10000	10000	50	NA		ND		ND		NA		NA		NA	
2,6-Dinitrotoluene				NA		ND		ND		NA		NA		NA	
Acenaphthylene	~	~	~	ND		ND		ND		ND		ND		0.230	J
3-Nitroaniline	~	~	~	NA		ND		ND		NA		NA		NA	
Acenaphthene	3400	10000	100	ND		0.072	J	0.418		ND		0.143		6.43	
2,4-Dinitrophenol	110	2100	10	NA		ND		ND		NA		NA		NA	
4-Nitrophenol	~	~	~	NA		ND		ND		NA		NA		NA	
2,4-Dinitrotoluene				NA		ND		ND		NA		NA		NA	
Dibenzofuran	~	~	~	NA		ND		0.247		NA		NA		NA	
Diethylphthalate	10000	10000	50	NA		ND		ND		NA		NA		NA	
Fluorene	2300	10000	100	ND		ND		0.358		ND		0.076	J	3.21	
4-Chlorophenyl-phenylether	~	~	~	NA		ND		ND		NA		NA		NA	
4-Nitroaniline	~	~	~	NA		ND		ND		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		ND		ND		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	NA		ND		ND		NA		NA		NA	
N-Nitrosodiphenylamine	140	600	100	NA		ND		ND		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	NA		ND		ND		NA		NA		NA	
Hexachlorobenzene	0.66	2	100	NA		ND		ND		NA		NA		NA	
Atrazine	~	~	~	NA		ND		ND		NA		NA		NA	
Pentachlorophenol	6	24	100	NA		ND		ND		NA		NA		NA	
Phenanthrene	~	~	~	ND		0.804		5.37		ND		0.708		1.73	
Anthracene	10000	10000	100	ND		0.131		0.901		ND		0.187		0.791	
Carbazole	~	~	~	NA		ND		0.521		NA		NA		NA	
Di-n-butylphthalate	5700	10000	100	NA		ND		ND		NA		NA		NA	
Fluoranthene	2300	10000	100	ND		1.78		8.58		ND		1.33		2.55	
Pyrene	1700	10000	100	ND		1.24		7.87		ND		1.38		1.68	
Butylbenzylphthalate	1100	10000	100	NA		ND		ND		NA		NA		NA	
3,3'-Dichlorobenzidine	2	6	100	NA		ND		ND		NA		NA		NA	
Benzo[a]anthracene	0.9	4	500	ND		0.806		**3.88**		ND		0.849		**1.16**	
Chrysene	9	40	500	ND		0.981		4.88		ND		0.858		1.24	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		ND		ND		NA		NA		NA	
Di-n-octylphthalate	1100	10000	100	NA		ND		ND		NA		NA		NA	
Benzo[b]fluoranthene	0.9	4	50	ND		**1.04**		**4.03**		ND		0.876		**1.07**	
Benzo[k]fluoranthene	0.9	4	500	ND		0.400		**3.63**		ND		0.810		**1.07**	
Benzo[a]pyrene	0.66	0.66	100	ND		0.654		**4.44**		ND		**1.11**		**1.18**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND		0.514		**2.28**		ND		0.794		0.878	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		0.170		**1.03**		ND		0.271		0.328	
Benzo[g,h,i]perylene	~	~	~	ND		0.673		2.54		ND		0.952		1.27	
TOTAL BNAs	NA	NA	NA	ND		9.26	J	51.8	J	ND		10.4		33.3	J
TOTAL TICs	NA	NA	NA	NA		471.6		4.08		NA		NA		NA	
TOTAL BNs & TICs	NA	NA	NA	ND		481	J	55.9		ND		10.4		33.3	J

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB1	SB2	SB2	SB2	SB3	SB3
			Sample Depth:	23.4-23.9	3.6-4.1	13.6-14.1	21.1-21.6	1.7-2.2	12-12.5
			Elevation:	-10.6 to -11.1	8.4-7.9	-1.6 to -2.1	-9.1 to -9.6	10.4-9.9	0.1 to -0.4
			Lab ID:	2172-005	2204-002	2204-003	2204-004	2204-006	2204-007
			Date Sampled:	03/27/2002	03/27/2002	03/27/2002	03/27/2002	03/28/2002	03/28/2002
Semivolatiles - BNA (ppm)	*USCC*	*RSCC*	*IGWSCC*						
Benzaldehyde	~	~	~	NA	NA	NA	NA	NA	NA
Phenol	10000	10000	50	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.66	3	10	NA	NA	NA	NA	NA	NA
2-Chlorophenol	280	5200	10	NA	NA	NA	NA	NA	NA
2-Methylphenol	2800	10000	~	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	2300	10000	10	NA	NA	NA	NA	NA	NA
4-Methylphenol	2800	10000	~	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA	NA	NA	NA	NA	NA
Acetophenone	~	~	~	NA	NA	NA	NA	NA	NA
Hexachloroethane	6	100	100	NA	NA	NA	NA	NA	NA
Nitrobenzene	28	520	10	NA	NA	NA	NA	NA	NA
Isophorone	1100	10000	50	NA	NA	NA	NA	NA	NA
2-Nitrophenol	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	1100	10000	10	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	170	3100	10	NA	NA	NA	NA	NA	NA
Naphthalene	230	4200	100	ND	0.126	46.1	ND	4.96	0.449
4-Chloroaniline	230	4200	~	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	21	100	NA	NA	NA	NA	NA	NA
Caprolactam	~	~	~	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	10000	10000	100	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	~	~	~	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	400	7300	100	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	62	270	10	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	5600	10000	50	NA	NA	NA	NA	NA	NA
1-1'-Biphenyl	~	~	~	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	~	~	~	NA	NA	NA	NA	NA	NA
2-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
Dimethylphthalate	10000	10000	50	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene				NA	NA	NA	NA	NA	NA
Acenaphthylene	~	~	~	ND	ND	0.864	ND	0.744	ND
3-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
Acenaphthene	3400	10000	100	ND	0.350	20.6	ND	6.58	0.742
2,4-Dinitrophenol	110	2100	10	NA	NA	NA	NA	NA	NA
4-Nitrophenol	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene				NA	NA	NA	NA	NA	NA
Dibenzofuran	~	~	~	NA	NA	NA	NA	NA	NA
Diethylphthalate	10000	10000	50	NA	NA	NA	NA	NA	NA
Fluorene	2300	10000	100	ND	0.217	19.7	ND	6.17	0.555
4-Chlorophenyl-phenylether	~	~	~	NA	NA	NA	NA	NA	NA
4-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	~	~	~	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	~	~	~	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	140	600	100	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	~	~	~	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.66	2	100	NA	NA	NA	NA	NA	NA
Atrazine	~	~	~	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6	24	100	NA	NA	NA	NA	NA	NA
Phenanthrene	~	~	~	ND	2.41	49.6	ND	33.6	7.22
Anthracene	10000	10000	100	ND	0.459	5.68	ND	8.43	1.03
Carbazole	~	~	~	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	5700	10000	100	NA	NA	NA	NA	NA	NA
Fluoranthene	2300	10000	100	ND	4.58	21.2	ND	39.4	11.5
Pyrene	1700	10000	100	ND	4.04	11.7	ND	36.6	8.48
Butylbenzylphthalate	1100	10000	100	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	2	6	100	NA	NA	NA	NA	NA	NA
Benzo[a]anthracene	0.9	4	500	ND	**2.47**	**4.19**	ND	**21.0**	**5.16**
Chrysene	9	40	500	ND	2.72	3.69	ND	**20.4**	5.91
bis(2-Ethylhexyl)phthalate	49	210	100	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	1100	10000	100	NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene	0.9	4	50	ND	**2.87**	**1.74**	ND	**22.1**	**4.80**
Benzo[k]fluoranthene	0.9	4	500	ND	**2.57**	**1.84**	ND	**16.3**	**3.59**
Benzo[a]pyrene	0.66	0.66	100	ND	**3.09**	**2.15**	ND	**24.7**	**5.33**
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND	**2.14**	0.866	ND	**15.4**	**2.37**
Dibenz[a,h]anthracene	0.66	0.66	100	ND	**0.815**	ND	ND	**5.87**	**0.954**
Benzo[g,h,i]perylene	~	~	~	ND	2.47	0.810	ND	16.7	2.67
TOTAL BNAs	NA	NA	NA	ND	31.3	191	ND	279	60.8
TOTAL TICs	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL BNs & TICs	NA	NA	NA	ND	31.3	191	ND	279	60.8

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB3		SB4		SB4		SB5		SB5		SB6	
			Sample Depth:	21.2-21.7		12.5-13		22.5-23		11.9-12.4		22.9-23.4		4.8-5.3	
			Elevation:	-9.1 to -9.6		0.5-0.0		-9.5 to -10.0		1.5-1.0		-9.5 to -10		9.2-8.7	
			Lab ID:	2204-008		2140-010		2140-011		2171-001		2171-002		2171-003	
			Date Sampled:	03/28/2002		03/26/2002		03/26/2002		03/27/2002		03/27/2002		03/27/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		NA		NA		NA		NA		NA	
Phenol	10000	10000	50	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	0.66	3	10	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	280	5200	10	NA		NA		NA		NA		NA		NA	
2-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		NA	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		NA		NA		NA		NA		NA	
4-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		NA	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		NA		NA		NA		NA		NA	
Acetophenone	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachloroethane	6	100	100	NA		NA		NA		NA		NA		NA	
Nitrobenzene	28	520	10	NA		NA		NA		NA		NA		NA	
Isophorone	1100	10000	50	NA		NA		NA		NA		NA		NA	
2-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dimethylphenol	1100	10000	10	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	170	3100	10	NA		NA		NA		NA		NA		NA	
Naphthalene	230	4200	100	ND		ND		ND		ND		ND		12.2	
4-Chloroaniline	230	4200	~	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	1	21	100	NA		NA		NA		NA		NA		NA	
Caprolactam	~	~	~	NA		NA		NA		NA		NA		NA	
4-Chloro-3-methylphenol	10000	10000	100	NA		NA		NA		NA		NA		NA	
2-Methylnaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	400	7300	100	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	62	270	10	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	5600	10000	50	NA		NA		NA		NA		NA		NA	
1-1'-Biphenyl	~	~	~	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
2-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Dimethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Acenaphthylene	~	~	~	ND		ND		ND		ND		ND		ND	
3-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Acenaphthene	3400	10000	100	ND		ND		ND		ND		ND		16.4	
2,4-Dinitrophenol	110	2100	10	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Dibenzofuran	~	~	~	NA		NA		NA		NA		NA		NA	
Diethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		NA	
Fluorene	2300	10000	100	ND		ND		ND		ND		ND		11.0	
4-Chlorophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	140	600	100	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	0.66	2	100	NA		NA		NA		NA		NA		NA	
Atrazine	~	~	~	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	6	24	100	NA		NA		NA		NA		NA		NA	
Phenanthrene	~	~	~	ND		0.072	J	ND		1.10		ND		86.0	
Anthracene	10000	10000	100	ND		ND		ND		ND		ND		15.9	
Carbazole	~	~	~	NA		NA		NA		NA		NA		NA	
Di-n-butylphthalate	5700	10000	100	NA		NA		NA		NA		NA		NA	
Fluoranthene	2300	10000	100	ND		0.111	J	ND		1.79		ND		**123**	
Pyrene	1700	10000	100	ND		0.087	J	ND		1.24		ND		**103**	
Butylbenzylphthalate	1100	10000	100	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	2	6	100	NA		NA		NA		NA		NA		NA	
Benzo[a]anthracene	0.9	4	500	ND		0.070	J	ND		**0.933**		ND		**62.8**	
Chrysene	9	40	500	ND		ND		ND		1.01		ND		**64.3**	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	1100	10000	100	NA		NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	0.9	4	50	ND		ND		ND		0.795		ND		**99.6**	
Benzo[k]fluoranthene	0.9	4	500	ND		ND		ND		0.868		ND		**63.2**	
Benzo[a]pyrene	0.66	0.66	100	ND		ND		ND		**0.917**		ND		**98.0**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND		0.083	J	ND		0.518		ND		**62.4**	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		ND		ND		ND		ND		**28.2**	
Benzo[g,h,i]perylene	~	~	~	ND		0.181		ND		0.543		ND		69.5	
TOTAL BNAs	NA	NA	NA	ND		0.604		ND		9.71		ND		915	
TOTAL TICs	NA	NA	NA	NA		NA		NA		NA		NA		NA	
TOTAL BNs & TICs	NA	NA	NA	ND		0.604		ND		9.71		ND		915	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB6		SB6		SB7		SB7		SB8		SB8	
			Sample Depth:	14.8-15.3		20.8-21.3		1.5-2.0		12.4-12.9		1.5-2.0		13-13.5	
			Elevation:	-0.8 to -1.3		-6.8 to -7.3		14.7-14.2		3.8-3.3		14.8-14.3		3.3-2.8	
			Lab ID:	2171-004		2171-005		2276-009		2171-007		2276-007		2204-012	
			Date Sampled:	03/27/2002		03/27/2002		04/01/2002		03/27/2002		04/01/2002		03/28/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		NA		NA		NA		NA		NA	
Phenol	10000	10000	50	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	0.66	3	10	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	280	5200	10	NA		NA		NA		NA		NA		NA	
2-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		NA	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		NA		NA		NA		NA		NA	
4-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		NA	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		NA		NA		NA		NA		NA	
Acetophenone	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachloroethane	6	100	100	NA		NA		NA		NA		NA		NA	
Nitrobenzene	28	520	10	NA		NA		NA		NA		NA		NA	
Isophorone	1100	10000	50	NA		NA		NA		NA		NA		NA	
2-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dimethylphenol	1100	10000	10	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	170	3100	10	NA		NA		NA		NA		NA		NA	
Naphthalene	230	4200	100	ND		ND		0.314		ND		0.315		ND	
4-Chloroaniline	230	4200	~	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	1	21	100	NA		NA		NA		NA		NA		NA	
Caprolactam	~	~	~	NA		NA		NA		NA		NA		NA	
4-Chloro-3-methylphenol	10000	10000	100	NA		NA		NA		NA		NA		NA	
2-Methylnaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	400	7300	100	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	62	270	10	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	5600	10000	50	NA		NA		NA		NA		NA		NA	
1-1'-Biphenyl	~	~	~	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
2-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Dimethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Acenaphthylene	~	~	~	ND		ND		ND		ND		0.098		ND	
3-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Acenaphthene	3400	10000	100	ND		ND		0.450		ND		0.70		ND	
2,4-Dinitrophenol	110	2100	10	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Dibenzofuran	~	~	~	NA		NA		NA		NA		NA		NA	
Diethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		NA	
Fluorene	2300	10000	100	ND		ND		0.304		ND		0.493		ND	
4-Chlorophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	140	600	100	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	0.66	2	100	NA		NA		NA		NA		NA		NA	
Atrazine	~	~	~	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	6	24	100	NA		NA		NA		NA		NA		NA	
Phenanthrene	~	~	~	ND		0.380		2.93		ND		4.95		0.306	
Anthracene	10000	10000	100	ND		0.084	J	0.601		ND		0.948		0.076	J
Carbazole	~	~	~	NA		NA		NA		NA		NA		NA	
Di-n-butylphthalate	5700	10000	100	NA		NA		NA		NA		NA		NA	
Fluoranthene	2300	10000	100	ND		0.565		4.21		0.106	J	7.01		0.491	
Pyrene	1700	10000	100	ND		0.407		3.45		0.086	J	6.05		0.286	
Butylbenzylphthalate	1100	10000	100	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	2	6	100	NA		NA		NA		NA		NA		NA	
Benzo[a]anthracene	0.9	4	500	ND		0.292		**2.22**		ND		**3.93**		0.197	
Chrysene	9	40	500	ND		0.297		2.29		ND		4.18		0.195	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	1100	10000	100	NA		NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	0.9	4	50	ND		0.289		**2.34**		ND		**3.83**		0.172	
Benzo[k]fluoranthene	0.9	4	500	ND		0.238		**1.67**		ND		**3.80**		0.150	
Benzo[a]pyrene	0.66	0.66	100	ND		0.298		**2.51**		ND		**4.53**		0.180	
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND		0.173		**1.54**		ND		**2.90**		0.102	J
Dibenz[a,h]anthracene	0.66	0.66	100	ND		ND		0.558		ND		**1.16**		ND	
Benzo[g,h,i]perylene	~	~	~	ND		0.188		1.66		ND		3.01		0.119	
TOTAL BNAs	NA	NA	NA	ND		3.21	J	27.0		0.192		47.9		2.27	J
TOTAL TICs	NA	NA	NA	NA		NA		NA		NA		NA		NA	
TOTAL BNs & TICs	NA	NA	NA	ND		3.21	J	27.0		0.192		47.9		2.27	J

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB9		SB9		SB9		SB10		SB10		SB10	
			Sample Depth:	1.5-2.0		3.5-4.0		11.8-12.3		1.5-2.0		3.5-4.0		11.1-11.6	
			Elevation:	14.9-14.4		12.9-12.4		4.6-4.1		14.9-14.4		12.9-12.4		5.3 to 5.8	
			Lab ID:	2276-005		2276-006		2204-015		2276-002		2276-003		2245-012	
			Date Sampled:	04/01/2002		04/01/2002		03/28/2002		04/01/2002		04/01/2002		03/29/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		NA		NA		NA		NA		ND	
Phenol	10000	10000	50	NA		NA		NA		NA		NA		ND	
bis(2-Chloroethyl)ether	0.66	3	10	NA		NA		NA		NA		NA		ND	
2-Chlorophenol	280	5200	10	NA		NA		NA		NA		NA		ND	
2-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		ND	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		NA		NA		NA		NA		ND	
4-Methylphenol	2800	10000	~	NA		NA		NA		NA		NA		ND	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		NA		NA		NA		NA		ND	
Acetophenone	~	~	~	NA		NA		NA		NA		NA		ND	
Hexachloroethane	6	100	100	NA		NA		NA		NA		NA		ND	
Nitrobenzene	28	520	10	NA		NA		NA		NA		NA		ND	
Isophorone	1100	10000	50	NA		NA		NA		NA		NA		ND	
2-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		ND	
2,4-Dimethylphenol	1100	10000	10	NA		NA		NA		NA		NA		ND	
bis(2-Chloroethoxy)methane	~	~	~	NA		NA		NA		NA		NA		ND	
2,4-Dichlorophenol	170	3100	10	NA		NA		NA		NA		NA		ND	
Naphthalene	230	4200	100	ND		0.124	J	1.32		ND		ND		ND	
4-Chloroaniline	230	4200	~	NA		NA		NA		NA		NA		ND	
Hexachlorobutadiene	1	21	100	NA		NA		NA		NA		NA		ND	
Caprolactam	~	~	~	NA		NA		NA		NA		NA		ND	
4-Chloro-3-methylphenol	10000	10000	100	NA		NA		NA		NA		NA		ND	
2-Methylnaphthalene	~	~	~	NA		NA		NA		NA		NA		ND	
Hexachlorocyclopentadiene	400	7300	100	NA		NA		NA		NA		NA		ND	
2,4,6-Trichlorophenol	62	270	10	NA		NA		NA		NA		NA		ND	
2,4,5-Trichlorophenol	5600	10000	50	NA		NA		NA		NA		NA		ND	
1-1'-Biphenyl	~	~	~	NA		NA		NA		NA		NA		ND	
2-Chloronaphthalene	~	~	~	NA		NA		NA		NA		NA		ND	
2-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		ND	
Dimethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		ND	
2,6-Dinitrotoluene				NA		NA		NA		NA		NA		ND	
Acenaphthylene	~	~	~	ND		0.117	J	ND		ND		ND		ND	
3-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		ND	
Acenaphthene	3400	10000	100	ND		0.170		18.4		ND		ND		ND	
2,4-Dinitrophenol	110	2100	10	NA		NA		NA		NA		NA		ND	
4-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		ND	
2,4-Dinitrotoluene				NA		NA		NA		NA		NA		ND	
Dibenzofuran	~	~	~	NA		NA		NA		NA		NA		ND	
Diethylphthalate	10000	10000	50	NA		NA		NA		NA		NA		ND	
Fluorene	2300	10000	100	ND		0.135	J	18.9		ND		ND		ND	
4-Chlorophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		ND	
4-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		NA		NA		NA		NA		ND	
4,6-Dinitro-2-methylphenol	~	~	~	NA		NA		NA		NA		NA		ND	
N-Nitrosodiphenylamine	140	600	100	NA		NA		NA		NA		NA		ND	
4-Bromophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		ND	
Hexachlorobenzene	0.66	2	100	NA		NA		NA		NA		NA		ND	
Atrazine	~	~	~	NA		NA		NA		NA		NA		ND	
Pentachlorophenol	6	24	100	NA		NA		NA		NA		NA		ND	
Phenanthrene	~	~	~	0.182		0.934		72.6		0.373		ND		ND	
Anthracene	10000	10000	100	ND		0.245		27.2		0.089	J	ND		ND	
Carbazole	~	~	~	NA		NA		NA		NA		NA		ND	
Di-n-butylphthalate	5700	10000	100	NA		NA		NA		NA		NA		ND	
Fluoranthene	2300	10000	100	0.246		1.45		76.1		0.557		0.079	J	ND	
Pyrene	1700	10000	100	0.222		1.23		40.8		0.458		0.074	J	ND	
Butylbenzylphthalate	1100	10000	100	NA		NA		NA		NA		NA		ND	
3,3'-Dichlorobenzidine	2	6	100	NA		NA		NA		NA		NA		ND	
Benzo[a]anthracene	0.9	4	500	0.165		**0.922**		**25.3**		0.270		ND		ND	
Chrysene	9	40	500	0.202		1.02		**22.7**		0.279		ND		ND	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		NA		NA		NA		NA		0.401	
Di-n-octylphthalate	1100	10000	100	NA		NA		NA		NA		NA		ND	
Benzo[b]fluoranthene	0.9	4	50	0.193		0.896		**18.4**		0.247		ND		ND	
Benzo[k]fluoranthene	0.9	4	500	0.144		**0.905**		**15.4**		0.205		ND		ND	
Benzo[a]pyrene	0.66	0.66	100	0.194		**1.12**		**20.6**		0.272		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	4	500	0.137		0.675		**9.44**		0.178		ND		ND	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		0.254		**3.42**		0.076	J	ND		ND	
Benzo[g,h,i]perylene	~	~	~	0.160		0.791		8.87		0.192		ND		ND	
TOTAL BNAs	NA	NA	NA	1.84		10.9		379		3.19		0.15		0.401	
TOTAL TICs	NA	NA	NA	NA		NA		NA		NA		NA		ND	
TOTAL BNs & TICs	NA	NA	NA	1.84		10.9		379		3.19		0.15		0.401	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB11	SB11	SB11	SB11	SB12	SB12
			Sample Depth:	1.5-2.0	4.0-4.5	6.6-7.1	12.6-13.1	3.5-4.0	10-10.5
			Elevation:	10.6-10.1	8.1-7.6	5.5 to 5.0	-0.5 to -1.0	4.9-4.4	-1.6 to -2.1
			Lab ID:	2245-002	2245-003	2245-004	2245-005	3062-015	3062-016
			Date Sampled:	03/29/2002	03/29/2002	03/29/2002	03/29/2002	04/29/2002	04/29/2002
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***						
Benzaldehyde	~	~	~	NA	NA	ND	NA	NA	NA
Phenol	10000	10000	50	NA	NA	ND	NA	NA	NA
bis(2-Chloroethyl)ether	0.66	3	10	NA	NA	ND	NA	NA	NA
2-Chlorophenol	280	5200	10	NA	NA	ND	NA	NA	NA
2-Methylphenol	2800	10000	~	NA	NA	ND	NA	NA	NA
bis(2-chloroisopropyl)ether	2300	10000	10	NA	NA	ND	NA	NA	NA
4-Methylphenol	2800	10000	~	NA	NA	ND	NA	NA	NA
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA	NA	ND	NA	NA	NA
Acetophenone	~	~	~	NA	NA	ND	NA	NA	NA
Hexachloroethane	6	100	100	NA	NA	ND	NA	NA	NA
Nitrobenzene	28	520	10	NA	NA	ND	NA	NA	NA
Isophorone	1100	10000	50	NA	NA	ND	NA	NA	NA
2-Nitrophenol	~	~	~	NA	NA	ND	NA	NA	NA
2,4-Dimethylphenol	1100	10000	10	NA	NA	ND	NA	NA	NA
bis(2-Chloroethoxy)methane	~	~	~	NA	NA	ND	NA	NA	NA
2,4-Dichlorophenol	170	3100	10	NA	NA	ND	NA	NA	NA
Naphthalene	230	4200	100	0.525	0.985	0.212	ND	6.29	2.40
4-Chloroaniline	230	4200	~	NA	NA	ND	NA	NA	NA
Hexachlorobutadiene	1	21	100	NA	NA	ND	NA	NA	NA
Caprolactam	~	~	~	NA	NA	ND	NA	NA	NA
4-Chloro-3-methylphenol	10000	10000	100	NA	NA	ND	NA	NA	NA
2-Methylnaphthalene	~	~	~	NA	NA	ND	NA	NA	NA
Hexachlorocyclopentadiene	400	7300	100	NA	NA	ND	NA	NA	NA
2,4,6-Trichlorophenol	62	270	10	NA	NA	ND	NA	NA	NA
2,4,5-Trichlorophenol	5600	10000	50	NA	NA	ND	NA	NA	NA
1-1'-Biphenyl	~	~	~	NA	NA	ND	NA	NA	NA
2-Chloronaphthalene	~	~	~	NA	NA	ND	NA	NA	NA
2-Nitroaniline	~	~	~	NA	NA	ND	NA	NA	NA
Dimethylphthalate	10000	10000	50	NA	NA	ND	NA	NA	NA
2,6-Dinitrotoluene				NA	NA	ND	NA	NA	NA
Acenaphthylene	~	~	~	0.125	ND	ND	ND	ND	ND
3-Nitroaniline	~	~	~	NA	NA	ND	NA	NA	NA
Acenaphthene	3400	10000	100	0.785	3.96	0.134	ND	11.5	3.55
2,4-Dinitrophenol	110	2100	10	NA	NA	ND	ND	NA	NA
4-Nitrophenol	~	~	~	NA	NA	ND	NA	NA	NA
2,4-Dinitrotoluene				NA	NA	ND	NA	NA	NA
Dibenzofuran	~	~	~	NA	NA	ND	NA	NA	NA
Diethylphthalate	10000	10000	50	NA	NA	ND	NA	NA	NA
Fluorene	2300	10000	100	0.566	2.25	0.121	ND	8.74	3.06
4-Chlorophenyl-phenylether	~	~	~	NA	NA	ND	NA	NA	NA
4-Nitroaniline	~	~	~	NA	NA	ND	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	~	~	~	NA	NA	ND	NA	NA	NA
4,6-Dinitro-2-methylphenol	~	~	~	NA	NA	ND	NA	NA	NA
N-Nitrosodiphenylamine	140	600	100	NA	NA	ND	NA	NA	NA
4-Bromophenyl-phenylether	~	~	~	NA	NA	ND	NA	NA	NA
Hexachlorobenzene	0.66	2	100	NA	NA	ND	NA	NA	NA
Atrazine	~	~	~	NA	NA	ND	NA	NA	NA
Pentachlorophenol	6	24	100	NA	NA	ND	NA	NA	NA
Phenanthrene	~	~	~	5.11	30.7	0.929	ND	76.9	24.4
Anthracene	10000	10000	100	0.94	5.39	0.211	ND	12.1	5.43
Carbazole	~	~	~	NA	NA	0.130	NA	NA	NA
Di-n-butylphthalate	5700	10000	100	NA	NA	ND	NA	NA	NA
Fluoranthene	2300	10000	100	7.54	81.0	1.73	ND	92.9	33.2
Pyrene	1700	10000	100	5.69	52.9	1.32	ND	88.2	29.4
Butylbenzylphthalate	1100	10000	100	NA	NA	ND	NA	NA	NA
3,3'-Dichlorobenzidine	2	6	100	NA	NA	ND	NA	NA	NA
Benzo[a]anthracene	0.9	4	500	**3.75**	**48.0**	0.848	ND	**53.0**	**18.5**
Chrysene	9	40	500	4.08	**55.2**	1.01	ND	**56.1**	**18.7**
bis(2-Ethylhexyl)phthalate	49	210	100	NA	NA	0.084	NA	NA	NA
Di-n-octylphthalate	1100	10000	100	NA	NA	ND	NA	NA	NA
Benzo[b]fluoranthene	0.9	4	50	**4.42**	**88.1**	**1.13**	ND	**128**	**41.1**
Benzo[k]fluoranthene	0.9	4	500	**3.16**	**31.1**	0.362	ND	**87.0**	**30.1**
Benzo[a]pyrene	0.66	0.66	100	**4.59**	**62.1**	**0.745**	ND	**120**	**38.9**
Indeno[1,2,3-cd]pyrene	0.9	4	500	**2.92**	**41.8**	0.465	ND	**74.6**	**23.2**
Dibenz[a,h]anthracene	0.66	0.66	100	**1.08**	**20.0**	0.176	ND	**36.7**	**11.6**
Benzo[g,h,i]perylene	~	~	~	3.15	41.9	0.638	ND	79.8	24.4
TOTAL BNAs	NA	NA	NA	48.42	565.4	10.2	ND	932	308
TOTAL TICs	NA	NA	NA	NA	NA	210.8	NA	NA	NA
TOTAL BNs & TICs	NA	NA	NA	48.42	565.4	221	ND	932	308

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB13		SB14		SB15		SB15		SB16		SB17	
			Sample Depth:	5.5-6.0		3.4-3.9		0.6-1.1		5.1-5.6		1.0-1.5		1.5-2.0	
			Elevation:	2.5-2.0		4.7-4.2		7.8-7.3		3.3-2.8		7.0-7.5		6.0-5.5	
			Lab ID:	3090-010		3090-001		3139-001		3139-002		3062-001		3139-015	
			Date Sampled:	04/30/2002		04/30/2002		05/01/2002		05/01/2002		04/29/2002		05/01/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		NA		NA		NA		NA		NA	
Phenol	**10000**	**10000**	**50**	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	**0.66**	**3**	**10**	NA		NA		NA		NA		NA		NA	
2-Chlorophenol	**280**	**5200**	**10**	NA		NA		NA		NA		NA		NA	
2-Methylphenol	**2800**	**10000**	~	NA		NA		NA		NA		NA		NA	
bis(2-chloroisopropyl)ether	**2300**	**10000**	**10**	NA		NA		NA		NA		NA		NA	
4-Methylphenol	**2800**	**10000**	~	NA		NA		NA		NA		NA		NA	
N-Nitroso-di-n-propylamine	**0.66**	**0.66**	**10**	NA		NA		NA		NA		NA		NA	
Acetophenone	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachloroethane	**6**	**100**	**100**	NA		NA		NA		NA		NA		NA	
Nitrobenzene	**28**	**520**	**10**	NA		NA		NA		NA		NA		NA	
Isophorone	**1100**	**10000**	**50**	NA		NA		NA		NA		NA		NA	
2-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dimethylphenol	**1100**	**10000**	**10**	NA		NA		NA		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	**170**	**3100**	**10**	NA		NA		NA		NA		NA		NA	
Naphthalene	**230**	**4200**	**100**	0.076	J	1.38		3.50		1.90		0.089		1.71	
4-Chloroaniline	**230**	**4200**	~	NA		NA		NA		NA		NA		NA	
Hexachlorobutadiene	**1**	**21**	**100**	NA		NA		NA		NA		NA		NA	
Caprolactam	~	~	~	NA		NA		NA		NA		NA		NA	
4-Chloro-3-methylphenol	**10000**	**10000**	**100**	NA		NA		NA		NA		NA		NA	
2-Methylnaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	**400**	**7300**	**100**	NA		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	**62**	**270**	**10**	NA		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	**5600**	**10000**	**50**	NA		NA		NA		NA		NA		NA	
1-1'-Biphenyl	~	~	~	NA		NA		NA		NA		NA		NA	
2-Chloronaphthalene	~	~	~	NA		NA		NA		NA		NA		NA	
2-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Dimethylphthalate	**10000**	**10000**	**50**	NA		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Acenaphthylene	~	~	~	ND		ND		ND		0.274		ND		ND	
3-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
Acenaphthene	**3400**	**10000**	**100**	0.095	J	3.11		18.1		3.40		0.271		0.705	
2,4-Dinitrophenol	**110**	**2100**	**10**	NA		NA		NA		NA		NA		NA	
4-Nitrophenol	~	~	~	NA		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene				NA		NA		NA		NA		NA		NA	
Dibenzofuran	~	~	~	NA		NA		NA		NA		NA		NA	
Diethylphthalate	**10000**	**10000**	**50**	NA		NA		NA		NA		NA		NA	
Fluorene	**2300**	**10000**	**100**	ND		2.54		15.0		3.28		0.213		0.524	
4-Chlorophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
4-Nitroaniline	~	~	~	NA		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	NA		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	**140**	**600**	**100**	NA		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	NA		NA		NA		NA		NA		NA	
Hexachlorobenzene	**0.66**	**2**	**100**	NA		NA		NA		NA		NA		NA	
Atrazine	~	~	~	NA		NA		NA		NA		NA		NA	
Pentachlorophenol	**6**	**24**	**100**	NA		NA		NA		NA		NA		NA	
Phenanthrene	~	~	~	0.817		14.5		89.0		14.2		0.895		2.75	
Anthracene	**10000**	**10000**	**100**	0.120		3.99		30.6		4.51		0.290		0.907	
Carbazole	~	~	~	NA		NA		NA		NA		NA		NA	
Di-n-butylphthalate	**5700**	**10000**	**100**	NA		NA		NA		NA		NA		NA	
Fluoranthene	**2300**	**10000**	**100**	1.16		21.5		**221**		20.4		2.79		3.34	
Pyrene	**1700**	**10000**	**100**	1.12		6.10		**145**		16.5		1.83		2.70	
Butylbenzylphthalate	**1100**	**10000**	**100**	NA		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	**2**	**6**	**100**	NA		NA		NA		NA		NA		NA	
Benzo[a]anthracene	**0.9**	**4**	**500**	0.648		**10.5**		**111**		**11.4**		0.883		**3.85**	
Chrysene	**9**	**40**	**500**	0.710		**11.4**		**109**		**11.6**		1.19		3.76	
bis(2-Ethylhexyl)phthalate	**49**	**210**	**100**	NA		NA		NA		NA		NA		NA	
Di-n-octylphthalate	**1100**	**10000**	**100**	NA		NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	**0.9**	**4**	**50**	**1.64**		**27.8**		**179**		**15.6**		**1.29**		**6.80**	
Benzo[k]fluoranthene	**0.9**	**4**	**500**	**1.21**		**16.5**		**124**		**15.7**		**1.18**		**3.76**	
Benzo[a]pyrene	**0.66**	**0.66**	**100**	**1.53**		**25.0**		**179**		**18.5**		**0.996**		**6.07**	
Indeno[1,2,3-cd]pyrene	**0.9**	**4**	**500**	**1.01**		**14.8**		**85.0**		**11.8**		0.607		**2.71**	
Dibenz[a,h]anthracene	**0.66**	**0.66**	**100**	0.394		**6.81**		**30.6**		**4.65**		0.261		**0.995**	
Benzo[g,h,i]perylene	~	~	~	1.22		15.6		81.9		12.8		0.666		2.43	
TOTAL BNAs	**NA**	**NA**	**NA**	11.8	J	182		1422		167		13.5		42.0	
TOTAL TICs	**NA**	**NA**	**NA**	NA		NA		NA		NA		NA		NA	
TOTAL BNs & TICs	**NA**	**NA**	**NA**	11.8	J	182		1422		167		13.5		42.0	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB18	SB18	SB19	SB19	SB20	SB20
			Sample Depth:	9.2-9.7	18.5-19	10.2-10.7	15.6-16.1	7.8-8.3	15.4-15.9
			Elevation:	4.3-3.8	-5.0 to -5.5	3.2-2.7	-2.2 to -2.7	6.0-5.5	-1.6 to -2.1
			Lab ID:	2526-002	2526-005	2503-001	2503-002	2456-001	2456-002
			Date Sampled:	04/09/2002	04/09/2002	04/08/2002	04/08/2002	04/05/2002	04/05/2002
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***						
Benzaldehyde	~	~	~	NA	NA	NA	NA	NA	NA
Phenol	10000	10000	50	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	0.66	3	10	NA	NA	NA	NA	NA	NA
2-Chlorophenol	280	5200	10	NA	NA	NA	NA	NA	NA
2-Methylphenol	2800	10000	~	NA	NA	NA	NA	NA	NA
bis(2-chloroisopropyl)ether	2300	10000	10	NA	NA	NA	NA	NA	NA
4-Methylphenol	2800	10000	~	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA	NA	NA	NA	NA	NA
Acetophenone	~	~	~	NA	NA	NA	NA	NA	NA
Hexachloroethane	6	100	100	NA	NA	NA	NA	NA	NA
Nitrobenzene	28	520	10	NA	NA	NA	NA	NA	NA
Isophorone	1100	10000	50	NA	NA	NA	NA	NA	NA
2-Nitrophenol	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	1100	10000	10	NA	NA	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	170	3100	10	NA	NA	NA	NA	NA	NA
Naphthalene	230	4200	100	15.1	ND	78.6	0.266	**113**	7.32
4-Chloroaniline	230	4200	~	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	1	21	100	NA	NA	NA	NA	NA	NA
Caprolactam	~	~	~	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	10000	10000	100	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	~	~	~	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	400	7300	100	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	62	270	10	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	5600	10000	50	NA	NA	NA	NA	NA	NA
1-1'-Biphenyl	~	~	~	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	~	~	~	NA	NA	NA	NA	NA	NA
2-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
Dimethylphthalate	10000	10000	50	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene				NA	NA	NA	NA	NA	NA
Acenaphthylene	~	~	~	3.66	ND	7.44	ND	2.17	0.498
3-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
Acenaphthene	3400	10000	100	26.7	0.112	24.2	0.097	31.3	6.48
2,4-Dinitrophenol	110	2100	10	NA	NA	NA	NA	NA	NA
4-Nitrophenol	~	~	~	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene				NA	NA	NA	NA	NA	NA
Dibenzofuran	~	~	~	NA	NA	NA	NA	NA	NA
Diethylphthalate	10000	10000	50	NA	NA	NA	NA	NA	NA
Fluorene	2300	10000	100	26.1	0.092	25.1	0.068	29.7	5.16
4-Chlorophenyl-phenylether	~	~	~	NA	NA	NA	NA	NA	NA
4-Nitroaniline	~	~	~	NA	NA	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	~	~	~	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	~	~	~	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	140	600	100	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	~	~	~	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	0.66	2	100	NA	NA	NA	NA	NA	NA
Atrazine	~	~	~	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6	24	100	NA	NA	NA	NA	NA	NA
Phenanthrene	~	~	~	79.2	0.329	136	0.241	75.1	18.9
Anthracene	10000	10000	100	19.5	0.079	38.7	0.133	17.5	3.62
Carbazole	~	~	~	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	5700	10000	100	NA	NA	NA	NA	NA	NA
Fluoranthene	2300	10000	100	68.6	0.271	**195**	0.170	37.3	11.4
Pyrene	1700	10000	100	38.1	0.208	**116**	0.125	22.0	6.73
Butylbenzylphthalate	1100	10000	100	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	2	6	100	NA	NA	NA	NA	NA	NA
Benzo[a]anthracene	0.9	4	500	**18.2**	0.100	**76.3**	0.087	**9.99**	**3.29**
Chrysene	9	40	500	**14.8**	0.096	**63.6**	0.070	8.77	2.79
bis(2-Ethylhexyl)phthalate	49	210	100	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	1100	10000	100	NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene	0.9	4	50	**9.77**	ND	**53.7**	ND	**4.84**	**1.99**
Benzo[k]fluoranthene	0.9	4	500	**11.0**	ND	**42.7**	ND	**5.76**	**1.84**
Benzo[a]pyrene	0.66	0.66	100	**12.5**	0.074	**60.8**	ND	**6.06**	**2.13**
Indeno[1,2,3-cd]pyrene	0.9	4	500	**4.86**	ND	**29.6**	ND	**2.74**	**1.04**
Dibenz[a,h]anthracene	0.66	0.66	100	**1.90**	ND	**10.9**	ND	**1.13**	0.426
Benzo[g,h,i]perylene	~	~	~	4.45	ND	26.8	ND	2.84	0.994
TOTAL BNAs	NA	NA	NA	354	1.36	985	1.26	370	74.6
TOTAL TICs	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL BNs & TICs	NA	NA	NA	354	1.36	985	1.26	370	74.6

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB21		SB22		SB23		SB23		SB24		SB26	
			Sample Depth:	5.5-6.0		6.8-7.3		4.4-4.9		14.4-14.9		14.4-14.9		1.6-2.1	
			Elevation:	2.8-2.3		6.0-5.5		8.4-7.9		-1.6 to -2.1		0.1 to -0.4		11-10.5	
			Lab ID:	2960-001		2370-007		2370-002		2370-003		2486-005		2396-001	
			Date Sampled:	04/25/2002		04/03/2002		04/03/2002		04/03/2002		04/06/2002		04/04/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	ND		NA		NA		NA		NA		NA	
Phenol	***10000***	***10000***	***50***	ND		NA		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	***0.66***	***3***	***10***	ND		NA		NA		NA		NA		NA	
2-Chlorophenol	***280***	***5200***	***10***	ND		NA		NA		NA		NA		NA	
2-Methylphenol	***2800***	***10000***	~	ND		NA		NA		NA		NA		NA	
bis(2-chloroisopropyl)ether	***2300***	***10000***	***10***	ND		NA		NA		NA		NA		NA	
4-Methylphenol	***2800***	***10000***	~	ND		NA		NA		NA		NA		NA	
N-Nitroso-di-n-propylamine	***0.66***	***0.66***	***10***	ND		NA		NA		NA		NA		NA	
Acetophenone	~	~	~	ND		NA		NA		NA		NA		NA	
Hexachloroethane	***6***	***100***	***100***	ND		NA		NA		NA		NA		NA	
Nitrobenzene	***28***	***520***	***10***	ND		NA		NA		NA		NA		NA	
Isophorone	***1100***	***10000***	***50***	ND		NA		NA		NA		NA		NA	
2-Nitrophenol	~	~	~	ND		NA		NA		NA		NA		NA	
2,4-Dimethylphenol	***1100***	***10000***	***10***	ND		NA		NA		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	ND		NA		NA		NA		NA		NA	
2,4-Dichlorophenol	***170***	***3100***	***10***	ND		NA		NA		NA		NA		NA	
Naphthalene	***230***	***4200***	***100***	ND		ND		ND		ND		ND		2.54	
4-Chloroaniline	***230***	***4200***	~	ND		NA		NA		NA		NA		NA	
Hexachlorobutadiene	***1***	***21***	***100***	ND		NA		NA		NA		NA		NA	
Caprolactam	~	~	~	ND		NA		NA		NA		NA		NA	
4-Chloro-3-methylphenol	***10000***	***10000***	***100***	ND		NA		NA		NA		NA		NA	
2-Methylnaphthalene	~	~	~	ND		NA		NA		NA		NA		NA	
Hexachlorocyclopentadiene	***400***	***7300***	***100***	ND		NA		NA		NA		NA		NA	
2,4,6-Trichlorophenol	***62***	***270***	***10***	ND		NA		NA		NA		NA		NA	
2,4,5-Trichlorophenol	***5600***	***10000***	***50***	ND		NA		NA		NA		NA		NA	
1-1'-Biphenyl	~	~	~	ND		NA		NA		NA		NA		NA	
2-Chloronaphthalene	~	~	~	ND		NA		NA		NA		NA		NA	
2-Nitroaniline	~	~	~	ND		NA		NA		NA		NA		NA	
Dimethylphthalate	***10000***	***10000***	***50***	ND		NA		NA		NA		NA		NA	
2,6-Dinitrotoluene				ND		NA		NA		NA		NA		NA	
Acenaphthylene	~	~	~	ND		ND		0.069	J	ND		ND		0.437	
3-Nitroaniline	~	~	~	ND		NA		NA		NA		NA		NA	
Acenaphthene	***3400***	***10000***	***100***	0.135		ND		0.087	J	0.709		ND		3.59	
2,4-Dinitrophenol	***110***	***2100***	***10***	ND		NA		NA		NA		NA		NA	
4-Nitrophenol	~	~	~	ND		NA		NA		NA		NA		NA	
2,4-Dinitrotoluene				ND		NA		NA		NA		NA		NA	
Dibenzofuran	~	~	~	0.103	J	NA		NA		NA		NA		NA	
Diethylphthalate	***10000***	***10000***	***50***	ND		NA		NA		NA		NA		NA	
Fluorene	***2300***	***10000***	***100***	0.111	J	ND		0.096	J	0.690		ND		3.58	
4-Chlorophenyl-phenylether	~	~	~	ND		NA		NA		NA		NA		NA	
4-Nitroaniline	~	~	~	ND		NA		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	ND		NA		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	ND		NA		NA		NA		NA		NA	
N-Nitrosodiphenylamine	***140***	***600***	***100***	ND		NA		NA		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	ND		NA		NA		NA		NA		NA	
Hexachlorobenzene	***0.66***	***2***	***100***	ND		NA		NA		NA		NA		NA	
Atrazine	~	~	~	ND		NA		NA		NA		NA		NA	
Pentachlorophenol	***6***	***24***	***100***	ND		NA		NA		NA		NA		NA	
Phenanthrene	~	~	~	1.07		0.083	J	1.10		1.97		ND		21.3	
Anthracene	***10000***	***10000***	***100***	0.176		ND		0.231		0.180		ND		8.75	
Carbazole	~	~	~	0.111	J	NA		NA		NA		NA		NA	
Di-n-butylphthalate	***5700***	***10000***	***100***	0.088	J	NA		NA		NA		NA		NA	
Fluoranthene	***2300***	***10000***	***100***	1.28		0.125		1.70		0.994		0.251	J	25.5	
Pyrene	***1700***	***10000***	***100***	1.05		0.078	J	1.12		0.495		ND		19.4	
Butylbenzylphthalate	***1100***	***10000***	***100***	ND		NA		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	***2***	***6***	***100***	ND		NA		NA		NA		NA		NA	
Benzo[a]anthracene	***0.9***	***4***	***500***	0.701		ND		0.723		0.180		ND		**12.4**	
Chrysene	***9***	***40***	***500***	0.751		ND		0.743		0.151		ND		**12.6**	
bis(2-Ethylhexyl)phthalate	***49***	***210***	***100***	0.228		NA		NA		NA		NA		NA	
Di-n-octylphthalate	***1100***	***10000***	***100***	ND		NA		NA		NA		NA		NA	
Benzo[b]fluoranthene	***0.9***	***4***	***50***	0.776		ND		0.569		ND		ND		**11.7**	
Benzo[k]fluoranthene	***0.9***	***4***	***500***	0.667		ND		0.651		ND		ND		**8.87**	
Benzo[a]pyrene	***0.66***	***0.66***	***100***	**0.811**		ND		**0.734**		ND		ND		**13.2**	
Indeno[1,2,3-cd]pyrene	***0.9***	***4***	***500***	0.492		ND		0.349		ND		ND		**7.66**	
Dibenz[a,h]anthracene	***0.66***	***0.66***	***100***	0.216		ND		0.127		ND		ND		**2.84**	
Benzo[g,h,i]perylene	~	~	~	0.564		ND		0.368		ND		ND		8.94	
TOTAL BNAs	***NA***	***NA***	***NA***	9.33		0.286	J	8.67	J	5.37		0.251	J	163	
TOTAL TICs	***NA***	***NA***	***NA***	7.54		NA		NA		NA		NA		NA	
TOTAL BNs & TICs	***NA***	***NA***	***NA***	16.9		0.286	J	8.67	J	5.37		0.251	J	163	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB26		SB27		SB27		SB29		SB30		SB30	
			Sample Depth:	11.1-11.6		2.4-2.9		14.4-14.9		1.5-2.0		3.0-3.5		8.1-8.6	
			Elevation:	1.5-1.0		11.2-10.7		-0.8 to -1.3		14.7-14.2		13.2-12.7		8.1-7.6	
			Lab ID:	2396-004		2486-001		2486-003		2555-012		2555-009		2555-011	
			Date Sampled:	04/04/2002		04/06/2002		04/06/2002		04/10/2002		04/10/2002		04/10/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		ND		NA		NA		NA		NA	
Phenol	10000	10000	50	NA		ND		NA		NA		NA		NA	
bis(2-Chloroethyl)ether	0.66	3	10	NA		ND		NA		NA		NA		NA	
2-Chlorophenol	280	5200	10	NA		ND		NA		NA		NA		NA	
2-Methylphenol	2800	10000	~	NA		ND		NA		NA		NA		NA	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		ND		NA		NA		NA		NA	
4-Methylphenol	2800	10000	~	NA		ND		NA		NA		NA		NA	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		ND		NA		NA		NA		NA	
Acetophenone	~	~	~	NA		ND		NA		NA		NA		NA	
Hexachloroethane	6	100	100	NA		ND		NA		NA		NA		NA	
Nitrobenzene	28	520	10	NA		ND		NA		NA		NA		NA	
Isophorone	1100	10000	50	NA		ND		NA		NA		NA		NA	
2-Nitrophenol	~	~	~	NA		ND		NA		NA		NA		NA	
2,4-Dimethylphenol	1100	10000	10	NA		ND		NA		NA		NA		NA	
bis(2-Chloroethoxy)methane	~	~	~	NA		ND		NA		NA		NA		NA	
2,4-Dichlorophenol	170	3100	10	NA		ND		NA		NA		NA		NA	
Naphthalene	230	4200	100	0.187	J	0.258		ND		ND		0.098	J	0.092	J
4-Chloroaniline	230	4200	~	NA		ND		NA		NA		NA		NA	
Hexachlorobutadiene	1	21	100	NA		ND		NA		NA		NA		NA	
Caprolactam	~	~	~	NA		ND		NA		NA		NA		NA	
4-Chloro-3-methylphenol	10000	10000	100	NA		ND		NA		NA		NA		NA	
2-Methylnaphthalene	~	~	~	NA		0.165		NA		NA		NA		NA	
Hexachlorocyclopentadiene	400	7300	100	NA		ND		NA		NA		NA		NA	
2,4,6-Trichlorophenol	62	270	10	NA		ND		NA		NA		NA		NA	
2,4,5-Trichlorophenol	5600	10000	50	NA		ND		NA		NA		NA		NA	
1-1'-Biphenyl	~	~	~	NA		ND		NA		NA		NA		NA	
2-Chloronaphthalene	~	~	~	NA		ND		NA		NA		NA		NA	
2-Nitroaniline	~	~	~	NA		ND		NA		NA		NA		NA	
Dimethylphthalate	10000	10000	50	NA		ND		NA		NA		NA		NA	
2,6-Dinitrotoluene				NA		ND		NA		NA		NA		NA	
Acenaphthylene	~	~	~	ND		0.072		ND		ND		ND		ND	
3-Nitroaniline	~	~	~	NA		ND		NA		NA		NA		NA	
Acenaphthene	3400	10000	100	0.384		0.505		ND		ND		0.131	J	3.03	
2,4-Dinitrophenol	110	2100	10	NA		ND		NA		NA		NA		NA	
4-Nitrophenol	~	~	~	NA		ND		NA		NA		NA		NA	
2,4-Dinitrotoluene				NA		ND		NA		NA		NA		NA	
Dibenzofuran	~	~	~	NA		0.317		NA		NA		NA		NA	
Diethylphthalate	10000	10000	50	NA		ND		NA		NA		NA		NA	
Fluorene	2300	10000	100	0.325		0.516		ND		ND		0.094	J	2.51	
4-Chlorophenyl-phenylether	~	~	~	NA		ND		NA		NA		NA		NA	
4-Nitroaniline	~	~	~	NA		ND		NA		NA		NA		NA	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		ND		NA		NA		NA		NA	
4,6-Dinitro-2-methylphenol	~	~	~	NA		ND		NA		NA		NA		NA	
N-Nitrosodiphenylamine	140	600	100	NA		ND		NA		NA		NA		NA	
4-Bromophenyl-phenylether	~	~	~	NA		ND		NA		NA		NA		NA	
Hexachlorobenzene	0.66	2	100	NA		ND		NA		NA		NA		NA	
Atrazine	~	~	~	NA		ND		NA		NA		NA		NA	
Pentachlorophenol	6	24	100	NA		ND		NA		NA		NA		NA	
Phenanthrene	~	~	~	5.70		3.36		ND		0.182		0.628		10.4	
Anthracene	10000	10000	100	0.875		0.961		ND		ND		0.149	J	6.06	
Carbazole	~	~	~	NA		0.460		NA		NA		NA		NA	
Di-n-butylphthalate	5700	10000	100	NA		ND		NA		NA		NA		NA	
Fluoranthene	2300	10000	100	7.76		4.86		ND		0.371		0.929		20.6	
Pyrene	1700	10000	100	7.13		3.75		ND		0.315		0.731		10.6	
Butylbenzylphthalate	1100	10000	100	NA		ND		NA		NA		NA		NA	
3,3'-Dichlorobenzidine	2	6	100	NA		ND		NA		NA		NA		NA	
Benzo[a]anthracene	0.9	4	500	**3.70**		**2.38**		ND		0.208		0.532		**7.05**	
Chrysene	9	40	500	4.42		2.39		ND		0.229		0.595		6.68	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		0.404		NA		NA		NA		NA	
Di-n-octylphthalate	1100	10000	100	NA		ND		NA		NA		NA		NA	
Benzo[b]fluoranthene	0.9	4	50	**2.80**		**2.17**		ND		0.171		0.541		**5.55**	
Benzo[k]fluoranthene	0.9	4	500	**2.64**		**2.37**		ND		0.171		0.454		**4.41**	
Benzo[a]pyrene	0.66	0.66	100	**3.55**		**2.69**		ND		0.212		0.628		**5.66**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	**1.76**		**1.83**		ND		0.118		0.308		**2.31**	
Dibenz[a,h]anthracene	0.66	0.66	100	**0.700**		0.178		ND		ND		0.125	J	**0.889**	
Benzo[g,h,i]perylene	~	~	~	2.14		1.95		ND		0.112		0.356		2.17	
TOTAL BNAs	NA	NA	NA	44.1		31.6		ND		2.09		6.30	J	88.0	J
TOTAL TICs	NA	NA	NA	NA		3.09		NA		NA		NA		NA	
TOTAL BNs & TICs	NA	NA	NA	44.1		34.7		ND		2.09		6.30	J	88.0	J

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	SB32		SB36		TP1		TP1		B10-0		B11-0	
			Sample Depth:	3.0-3.5		3.5-4.0		7.0-7.5		10-10.5		5.0-5.5		5.5-6.0	
			Elevation:	11.8-11.3		8.6-8.1		5.2-4.7		2.2-1.7		3.5-3.0		2.9-2.4	
			Lab ID:	2555-002		2626-002		2626-009		2626-010		2922-003		2922-006	
			Date Sampled:	04/10/2002		04/12/2002		04/12/2002		04/12/2002		04/24/2002		04/24/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	NA		NA		ND		ND		ND		ND	
Phenol	10000	10000	50	NA		NA		ND		ND		ND		ND	
bis(2-Chloroethyl)ether	0.66	3	10	NA		NA		ND		ND		ND		ND	
2-Chlorophenol	280	5200	10	NA		NA		ND		ND		ND		ND	
2-Methylphenol	2800	10000	~	NA		NA		ND		ND		ND		ND	
bis(2-chloroisopropyl)ether	2300	10000	10	NA		NA		ND		ND		ND		ND	
4-Methylphenol	2800	10000	~	NA		NA		ND		ND		ND		ND	
N-Nitroso-di-n-propylamine	0.66	0.66	10	NA		NA		ND		ND		ND		ND	
Acetophenone	~	~	~	NA		NA		ND		ND		ND		ND	
Hexachloroethane	6	100	100	NA		NA		ND		ND		ND		ND	
Nitrobenzene	28	520	10	NA		NA		ND		ND		ND		ND	
Isophorone	1100	10000	50	NA		NA		ND		ND		ND		ND	
2-Nitrophenol	~	~	~	NA		NA		ND		ND		ND		ND	
2,4-Dimethylphenol	1100	10000	10	NA		NA		ND		ND		ND		ND	
bis(2-Chloroethoxy)methane	~	~	~	NA		NA		ND		ND		ND		ND	
2,4-Dichlorophenol	170	3100	10	NA		NA		ND		ND		ND		ND	
Naphthalene	230	4200	100	ND		0.546		0.652		ND		ND		0.381	
4-Chloroaniline	230	4200	~	NA		NA		ND		ND		ND		ND	
Hexachlorobutadiene	1	21	100	NA		NA		ND		ND		ND		ND	
Caprolactam	~	~	~	NA		NA		ND		ND		ND		ND	
4-Chloro-3-methylphenol	10000	10000	100	NA		NA		ND		ND		ND		ND	
2-Methylnaphthalene	~	~	~	NA		NA		0.296		ND		ND		0.119	
Hexachlorocyclopentadiene	400	7300	100	NA		NA		ND		ND		ND		ND	
2,4,6-Trichlorophenol	62	270	10	NA		NA		ND		ND		ND		ND	
2,4,5-Trichlorophenol	5600	10000	50	NA		NA		ND		ND		ND		ND	
1-1'-Biphenyl	~	~	~	NA		NA		ND		ND		ND		ND	
2-Chloronaphthalene	~	~	~	NA		NA		ND		ND		ND		ND	
2-Nitroaniline	~	~	~	NA		NA		ND		ND		ND		ND	
Dimethylphthalate	10000	10000	50	NA		NA		ND		ND		ND		ND	
2,6-Dinitrotoluene				NA		NA		ND		ND		ND		ND	
Acenaphthylene	~	~	~	ND		ND		0.298		ND		ND		ND	
3-Nitroaniline	~	~	~	NA		NA		ND		ND		ND		ND	
Acenaphthene	3400	10000	100	0.068	J	1.58		2.12		ND		ND		0.689	
2,4-Dinitrophenol	110	2100	10	NA		NA		ND		ND		ND		ND	
4-Nitrophenol	~	~	~	NA		NA		ND		ND		ND		ND	
2,4-Dinitrotoluene				NA		NA		ND		ND		ND		ND	
Dibenzofuran	~	~	~	NA		NA		0.961		ND		ND		0.265	
Diethylphthalate	10000	10000	50	NA		NA		ND		ND		ND		ND	
Fluorene	2300	10000	100	0.079	J	0.977		1.69		ND		ND		0.447	
4-Chlorophenyl-phenylether	~	~	~	NA		NA		ND		ND		ND		ND	
4-Nitroaniline	~	~	~	NA		NA		ND		ND		ND		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	NA		NA		ND		ND		ND		ND	
4,6-Dinitro-2-methylphenol	~	~	~	NA		NA		ND		ND		ND		ND	
N-Nitrosodiphenylamine	140	600	100	NA		NA		ND		ND		ND		ND	
4-Bromophenyl-phenylether	~	~	~	NA		NA		ND		ND		ND		ND	
Hexachlorobenzene	0.66	2	100	NA		NA		ND		ND		ND		ND	
Atrazine	~	~	~	NA		NA		ND		ND		ND		ND	
Pentachlorophenol	6	24	100	NA		NA		ND		ND		ND		ND	
Phenanthrene	~	~	~	0.495		10.4		13.4		ND		ND		4.34	
Anthracene	10000	10000	100	0.096	J	2.13		4.54		ND		ND		0.795	
Carbazole	~	~	~	NA		NA		1.91		ND		ND		0.713	
Di-n-butylphthalate	5700	10000	100	NA		NA		ND		ND		ND		0.070	J
Fluoranthene	2300	10000	100	0.739		22.20		38.3		ND		0.103	J	6.60	
Pyrene	1700	10000	100	0.431		15.1		22.7		ND		0.089	J	5.07	
Butylbenzylphthalate	1100	10000	100	NA		NA		ND		ND		ND		ND	
3,3'-Dichlorobenzidine	2	6	100	NA		NA		ND		ND		ND		ND	
Benzo[a]anthracene	0.9	4	500	0.282		**12.2**		**19.3**		ND		0.083	J	**3.30**	
Chrysene	9	40	500	0.297		**13.2**		**20.5**		ND		0.088	J	3.51	
bis(2-Ethylhexyl)phthalate	49	210	100	NA		NA		ND		ND		ND		0.221	
Di-n-octylphthalate	1100	10000	100	NA		NA		ND		ND		ND		ND	
Benzo[b]fluoranthene	0.9	4	50	0.343		**14.3**		**23.4**		ND		ND		**4.09**	
Benzo[k]fluoranthene	0.9	4	500	0.399		**10.8**		**14.0**		ND		ND		**2.45**	
Benzo[a]pyrene	0.66	0.66	100	0.355		**12.8**		**20.4**		ND		ND		**3.91**	
Indeno[1,2,3-cd]pyrene	0.9	4	500	0.084	J	**7.87**		**12.8**		ND		ND		**2.31**	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		**3.09**		**5.25**		ND		ND		**0.808**	
Benzo[g,h,i]perylene	~	~	~	0.093	J	7.74		13.2		ND		ND		2.64	
TOTAL BNAs	NA	NA	NA	3.76		135		216		ND		0.363		42.7	
TOTAL TICs	NA	NA	NA	NA		NA		40.7		2.89		ND		4.09	
TOTAL BNs & TICs	NA	NA	NA	3.76		135		256		2.89		0.363		46.8	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	B11-0		B18-0		B18-0		FB032002		FB032202		FB032602	
			Sample Depth:	10.5-11		1.0-1.5		6.5-7.0		--		--		--	
			Elevation:	-2.1 to -2.6		7.3-6.8		1.8-1.3		--		--		--	
			Lab ID:	2922-007		3013-003		3013-004		1998-003		2077-001		2140-001	
			Date Sampled:	04/24/2002		04/26/2002		04/26/2002		03/20/2002		03/22/2002		03/26/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***												
Benzaldehyde	~	~	~	ND		ND		ND		ND		ND		ND	
Phenol	***10000***	***10000***	***50***	ND		ND		ND		ND		ND		ND	
bis(2-Chloroethyl)ether	***0.66***	***3***	***10***	ND		ND		ND		ND		ND		ND	
2-Chlorophenol	***280***	***5200***	***10***	ND		ND		ND		ND		ND		ND	
2-Methylphenol	***2800***	***10000***	~	ND		ND		ND		ND		ND		ND	
bis(2-chloroisopropyl)ether	***2300***	***10000***	***10***	ND		ND		ND		ND		ND		ND	
4-Methylphenol	***2800***	***10000***	~	ND		ND		ND		ND		ND		ND	
N-Nitroso-di-n-propylamine	***0.66***	***0.66***	***10***	ND		ND		ND		ND		ND		ND	
Acetophenone	~	~	~	ND		ND		ND		ND		ND		ND	
Hexachloroethane	***6***	***100***	***100***	ND		ND		ND		ND		ND		ND	
Nitrobenzene	***28***	***520***	***10***	ND		ND		ND		ND		ND		ND	
Isophorone	***1100***	***10000***	***50***	ND		ND		ND		ND		ND		ND	
2-Nitrophenol	~	~	~	ND		ND		ND		ND		ND		ND	
2,4-Dimethylphenol	***1100***	***10000***	***10***	ND		ND		ND		ND		ND		ND	
bis(2-Chloroethoxy)methane	~	~	~	ND		ND		ND		ND		ND		ND	
2,4-Dichlorophenol	***170***	***3100***	***10***	ND		ND		ND		ND		ND		ND	
Naphthalene	***230***	***4200***	***100***	0.269		0.294	J	0.406		ND		ND		ND	
4-Chloroaniline	***230***	***4200***	~	ND		ND		ND		ND		ND		ND	
Hexachlorobutadiene	***1***	***21***	***100***	ND		ND		ND		ND		ND		ND	
Caprolactam	~	~	~	ND		ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	***10000***	***10000***	***100***	ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene	~	~	~	0.073	J	ND		0.104	J	ND		ND		ND	
Hexachlorocyclopentadiene	***400***	***7300***	***100***	ND		ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	***62***	***270***	***10***	ND		ND		ND		ND		ND		ND	
2,4,5-Trichlorophenol	***5600***	***10000***	***50***	ND		ND		ND		ND		ND		ND	
1-1'-Biphenyl	~	~	~	ND		ND		ND		ND		ND		ND	
2-Chloronaphthalene	~	~	~	ND		ND		ND		ND		ND		ND	
2-Nitroaniline	~	~	~	ND		ND		ND		ND		ND		ND	
Dimethylphthalate	***10000***	***10000***	***50***	ND		ND		ND		ND		ND		ND	
2,6-Dinitrotoluene				ND		ND		ND		ND		ND		ND	
Acenaphthylene	~	~	~	0.164		ND		ND		ND		ND		ND	
3-Nitroaniline	~	~	~	ND		ND		ND		ND		ND		ND	
Acenaphthene	***3400***	***10000***	***100***	0.561		1.61		ND		ND		ND		ND	
2,4-Dinitrophenol	***110***	***2100***	***10***	ND		ND		ND		ND		ND		ND	
4-Nitrophenol	~	~	~	ND		ND		ND		ND		ND		ND	
2,4-Dinitrotoluene				ND		ND		ND		ND		ND		ND	
Dibenzofuran	~	~	~	0.206		0.874		ND		ND		ND		ND	
Diethylphthalate	***10000***	***10000***	***50***	ND		ND		ND		ND		ND		ND	
Fluorene	***2300***	***10000***	***100***	0.340		1.16		ND		ND		ND		ND	
4-Chlorophenyl-phenylether	~	~	~	ND		ND		ND		ND		ND		ND	
4-Nitroaniline	~	~	~	ND		ND		ND		ND		ND		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	ND		ND		ND		ND		ND		ND	
4,6-Dinitro-2-methylphenol	~	~	~	ND		ND		ND		ND		ND		ND	
N-Nitrosodiphenylamine	***140***	***600***	***100***	ND		ND		ND		ND		ND		ND	
4-Bromophenyl-phenylether	~	~	~	ND		ND		ND		ND		ND		ND	
Hexachlorobenzene	***0.66***	***2***	***100***	ND		ND		ND		ND		ND		ND	
Atrazine	~	~	~	ND		ND		ND		ND		ND		ND	
Pentachlorophenol	***6***	***24***	***100***	ND		ND		ND		ND		ND		ND	
Phenanthrene	~	~	~	3.38		7.96		0.301		ND		ND		ND	
Anthracene	***10000***	***10000***	***100***	0.640		2.92		ND		ND		ND		ND	
Carbazole	~	~	~	0.513		1.48		ND		ND		ND		ND	
Di-n-butylphthalate	***5700***	***10000***	***100***	ND		ND		ND		ND		ND		ND	
Fluoranthene	***2300***	***10000***	***100***	5.23		32.7		0.446		ND		ND		ND	
Pyrene	***1700***	***10000***	***100***	4.53		23.8		0.500		ND		ND		ND	
Butylbenzylphthalate	***1100***	***10000***	***100***	ND		ND		ND		ND		ND		ND	
3,3'-Dichlorobenzidine	***2***	***6***	***100***	ND		ND		ND		ND		ND		ND	
Benzo[a]anthracene	***0.9***	***4***	***500***	**2.72**		**15.9**		0.305		ND		ND		ND	
Chrysene	***9***	***40***	***500***	3.05		**18.9**		0.312		ND		ND		ND	
bis(2-Ethylhexyl)phthalate	***49***	***210***	***100***	0.125		0.953		0.105	J	ND		ND		ND	
Di-n-octylphthalate	***1100***	***10000***	***100***	ND		ND		ND		ND		ND		ND	
Benzo[b]fluoranthene	***0.9***	***4***	***50***	**4.73**		**27.4**		0.530		ND		ND		ND	
Benzo[k]fluoranthene	***0.9***	***4***	***500***	**3.85**		**17.9**		0.465		ND		ND		ND	
Benzo[a]pyrene	***0.66***	***0.66***	***100***	**5.13**		**26.0**		0.573		ND		ND		ND	
Indeno[1,2,3-cd]pyrene	***0.9***	***4***	***500***	**2.91**		**16.4**		0.336		ND		ND		ND	
Dibenz[a,h]anthracene	***0.66***	***0.66***	***100***	**1.04**		**7.10**		0.095		ND		ND		ND	
Benzo[g,h,i]perylene	~	~	~	3.48		17.6		0.387		ND		ND		ND	
TOTAL BNAs	***NA***	***NA***	***NA***	42.9		220.9		4.87		ND		ND		ND	
TOTAL TICs	***NA***	***NA***	***NA***	6.41		39.4		ND		ND		ND		ND	
TOTAL BNs & TICs	***NA***	***NA***	***NA***	49.4		260		4.87		ND		ND		ND	

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	FB032902	FB040102	FB040402	FB040902	FB041102	FB042402
			Sample Depth:	--	--	--	--	--	--
			Elevation:	--	--	--	--	--	--
			Lab ID:	2245-001	2276-001	2396-006	2526-001	2600-001	2922-010
			Date Sampled:	03/29/2002	04/01/2002	04/04/2002	04/09/2002	04/11/2002	04/24/2002
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***						
Benzaldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Phenol	10000	10000	50	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	0.66	3	10	ND	ND	ND	ND	ND	ND
2-Chlorophenol	280	5200	10	ND	ND	ND	ND	ND	ND
2-Methylphenol	2800	10000	~	ND	ND	ND	ND	ND	ND
bis(2-chloroisopropyl)ether	2300	10000	10	ND	ND	ND	ND	ND	ND
4-Methylphenol	2800	10000	~	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND	ND	ND	ND	ND	ND
Acetophenone	~	~	~	ND	ND	ND	ND	ND	ND
Hexachloroethane	6	100	100	ND	ND	ND	ND	ND	ND
Nitrobenzene	28	520	10	ND	ND	ND	ND	ND	ND
Isophorone	1100	10000	50	ND	ND	ND	ND	ND	ND
2-Nitrophenol	~	~	~	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1100	10000	10	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	~	~	~	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	170	3100	10	ND	ND	ND	ND	ND	ND
Naphthalene	230	4200	100	ND	ND	ND	ND	ND	ND
4-Chloroaniline	230	4200	~	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	1	21	100	ND	ND	ND	ND	ND	ND
Caprolactam	~	~	~	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	10000	10000	100	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	~	~	~	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	400	7300	100	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	62	270	10	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	5600	10000	50	ND	ND	ND	ND	ND	ND
1-1'-Biphenyl	~	~	~	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	~	~	~	ND	ND	ND	ND	ND	ND
2-Nitroaniline	~	~	~	ND	ND	ND	ND	ND	ND
Dimethylphthalate	10000	10000	50	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene				ND	ND	ND	ND	ND	ND
Acenaphthylene	~	~	~	ND	ND	ND	ND	ND	ND
3-Nitroaniline	~	~	~	ND	ND	ND	ND	ND	ND
Acenaphthene	3400	10000	100	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	110	2100	10	ND	ND	ND	ND	ND	ND
4-Nitrophenol	~	~	~	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene				ND	ND	ND	ND	ND	ND
Dibenzofuran	~	~	~	ND	ND	ND	ND	ND	ND
Diethylphthalate	10000	10000	50	ND	ND	ND	ND	ND	ND
Fluorene	2300	10000	100	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	~	~	~	ND	ND	ND	ND	ND	ND
4-Nitroaniline	~	~	~	ND	ND	ND	ND	ND	ND
1,2,4,5-Tetrachlorobenzene	~	~	~	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	~	~	~	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	140	600	100	ND	ND	ND	ND	ND	ND
4-Bromophenyl-phenylether	~	~	~	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.66	2	100	ND	ND	ND	ND	ND	ND
Atrazine	~	~	~	ND	ND	ND	ND	ND	ND
Pentachlorophenol	*6*	*24*	*100*	*ND*	*ND*	*ND*	*ND*	*ND*	*ND*
Phenanthrene	~	~	~	ND	ND	ND	ND	ND	ND
Anthracene	10000	10000	100	ND	ND	ND	ND	ND	ND
Carbazole	~	~	~	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	5700	10000	100	ND	ND	ND	ND	ND	ND
Fluoranthene	2300	10000	100	ND	ND	ND	ND	ND	ND
Pyrene	1700	10000	100	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	1100	10000	100	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	2	6	100	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.9	4	500	ND	ND	ND	ND	ND	ND
Chrysene	9	40	500	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	49	210	100	ND	ND	ND	ND	ND	ND
Di-n-octylphthalate	1100	10000	100	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.9	4	50	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.9	4	500	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.66	0.66	100	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	0.66	0.66	100	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	~	~	~	ND	ND	ND	ND	ND	ND
TOTAL BNAs	NA	NA	NA	ND	ND	ND	ND	ND	ND
TOTAL TICs	NA	NA	NA	ND	ND	ND	ND	ND	ND
TOTAL BNs & TICs	NA	NA	NA	ND	ND	ND	ND	ND	ND

Table III
Summary of Semi-Volatile Compounds in Soil

			Client ID:	FB042602		FB050102		FB050302	
			Sample Depth:	--		--		--	
			Elevation:	--		--		--	
			Lab ID:	3013-012		3139-014		3229-001	
			Date Sampled:	04/26/2002		05/01/2002		05/03/2002	
Semivolatiles - BNA (ppm)	***USCC***	***RSCC***	***IGWSCC***						
Benzaldehyde	~	~	~	ND		ND		ND	
Phenol	10000	10000	50	ND		ND		ND	
bis(2-Chloroethyl)ether	0.66	3	10	ND		ND		ND	
2-Chlorophenol	280	5200	10	ND		ND		ND	
2-Methylphenol	2800	10000	~	ND		ND		ND	
bis(2-chloroisopropyl)ether	2300	10000	10	ND		ND		ND	
4-Methylphenol	2800	10000	~	ND		ND		ND	
N-Nitroso-di-n-propylamine	0.66	0.66	10	ND		ND		ND	
Acetophenone	~	~	~	ND		ND		ND	
Hexachloroethane	6	100	100	ND		ND		ND	
Nitrobenzene	28	520	10	ND		ND		ND	
Isophorone	1100	10000	50	ND		ND		ND	
2-Nitrophenol	~	~	~	ND		ND		ND	
2,4-Dimethylphenol	1100	10000	10	ND		ND		ND	
bis(2-Chloroethoxy)methane	~	~	~	ND		ND		ND	
2,4-Dichlorophenol	170	3100	10	ND		ND		ND	
Naphthalene	230	4200	100	ND		ND		ND	
4-Chloroaniline	230	4200	~	ND		ND		ND	
Hexachlorobutadiene	1	21	100	ND		ND		ND	
Caprolactam	~	~	~	ND		ND		ND	
4-Chloro-3-methylphenol	10000	10000	100	ND		ND		ND	
2-Methylnaphthalene	~	~	~	ND		ND		ND	
Hexachlorocyclopentadiene	400	7300	100	ND		ND		ND	
2,4,6-Trichlorophenol	62	270	10	ND		ND		ND	
2,4,5-Trichlorophenol	5600	10000	50	ND		ND		ND	
1-1'-Biphenyl	~	~	~	ND		ND		ND	
2-Chloronaphthalene	~	~	~	ND		ND		ND	
2-Nitroaniline	~	~	~	ND		ND		ND	
Dimethylphthalate	10000	10000	50	ND		ND		ND	
2,6-Dinitrotoluene				ND		ND		ND	
Acenaphthylene	~	~	~	ND		ND		ND	
3-Nitroaniline	~	~	~	ND		ND		ND	
Acenaphthene	3400	10000	100	ND		ND		ND	
2,4-Dinitrophenol	110	2100	10	ND		ND		ND	
4-Nitrophenol	~	~	~	ND		ND		ND	
2,4-Dinitrotoluene				ND		ND		ND	
Dibenzofuran	~	~	~	ND		ND		ND	
Diethylphthalate	10000	10000	50	ND		ND		ND	
Fluorene	2300	10000	100	ND		ND		ND	
4-Chlorophenyl-phenylether	~	~	~	ND		ND		ND	
4-Nitroaniline	~	~	~	ND		ND		ND	
1,2,4,5-Tetrachlorobenzene	~	~	~	ND		ND		ND	
4,6-Dinitro-2-methylphenol	~	~	~	ND		ND		ND	
N-Nitrosodiphenylamine	140	600	100	ND		ND		ND	
4-Bromophenyl-phenylether	~	~	~	ND		ND		ND	
Hexachlorobenzene	0.66	2	100	ND		ND		ND	
Atrazine	~	~	~	ND		ND		ND	
Pentachlorophenol	6	24	100	ND		ND		ND	
Phenanthrene	~	~	~	ND		ND		ND	
Anthracene	10000	10000	100	ND		ND		ND	
Carbazole	~	~	~	ND		ND		ND	
Di-n-butylphthalate	5700	10000	100	ND		ND		ND	
Fluoranthene	2300	10000	100	ND		ND		ND	
Pyrene	1700	10000	100	ND		ND		ND	
Butylbenzylphthalate	1100	10000	100	ND		ND		ND	
3,3'-Dichlorobenzidine	2	6	100	ND		ND		ND	
Benzo[a]anthracene	0.9	4	500	ND		ND		ND	
Chrysene	9	40	500	ND		ND		ND	
bis(2-Ethylhexyl)phthalate	49	210	100	ND		ND		ND	
Di-n-octylphthalate	1100	10000	100	ND		ND		ND	
Benzo[b]fluoranthene	0.9	4	50	ND		ND		ND	
Benzo[k]fluoranthene	0.9	4	500	ND		ND		ND	
Benzo[a]pyrene	0.66	0.66	100	ND		ND		ND	
Indeno[1,2,3-cd]pyrene	0.9	4	500	ND		ND		ND	
Dibenz[a,h]anthracene	0.66	0.66	100	ND		ND		ND	
Benzo[g,h,i]perylene	~	~	~	ND		ND		ND	
TOTAL BNAs	NA	NA	NA	ND		ND		ND	
TOTAL TICs	NA	NA	NA	ND		ND		ND	
TOTAL BNs & TICs	NA	NA	NA	ND		ND		ND	

Table IV
Summary of Pesticides in Soil

			Client ID:	C3(4)	C3(4)	C3(5)	C3(5)	C3(5)	C3(6)
			Sample Depth:	3.5-4	14.5-15	1.5-2	10-10.5	14.5-15	3.5-4
			Elevation:	8.8-8.3	-2.2 to -2.7	10.8-10.3	2.3-1.8	-2.2 to -2.7	8.4 to 7.9
			Lab ID:	2140-003	2140-004	2140-005	2077-003	2077-004	2140-008
			Date Sampled:	03/26/2002	03/26/2002	03/26/2002	03/22/2002	03/22/2002	03/26/2002
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***						
alpha-BHC	~	~	~	ND	ND	ND	ND	ND	ND
beta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
gamma-BHC	***0.52***	***2.2***	***50***	ND	ND	ND	ND	ND	ND
delta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
Heptachlor	***0.15***	***0.65***	***50***	ND	ND	ND	ND	ND	ND
Aldrin	***0.04***	***0.17***	***50***	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan I	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDE	***2***	***9***	***50***	0.067	ND	0.115	ND	ND	0.027
Dieldrin	***0.042***	***0.18***	***50***	ND	ND	ND	ND	ND	ND
Endrin	***17***	***310***	***50***	ND	ND	ND	ND	ND	ND
Endosulfan II	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDD	***3***	***12***	***50***	ND	ND	0.055	ND	ND	0.014
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDT	***2***	***9***	***500***	0.253	ND	0.288	ND	ND	0.043
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND
Methoxychlor	***280***	***5200***	***50***	ND	ND	ND	ND	ND	ND
alpha-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
gamma-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
Toxaphene	***0.1***	***0.2***	***50***	ND	ND	ND	ND	ND	ND

Table IV
Summary of Pesticides in Soil

			Client ID:	C3(6)		C3(10)		C3(10)		C3(14)		C3(14)		C3(15)	
			Sample Depth:	13.5-14		1-1.5		7.5-8		1.5-2		8.5-9		1.5-2	
			Elevation:	-1.6 to -2.1		12.1 to 11.6		5.6 to 5.1		11.2 to 10.7		4.2 to 3.7		11.0 to 10.5	
			Lab ID:	2140-009		2113-001		2113-003		2113-018		2113-020		2113-015	
			Date Sampled:	03/26/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002	
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***												
alpha-BHC	~	~	~	ND		ND		ND		ND		ND		ND	
beta-BHC	~	~	~	ND		ND		ND		ND		ND		ND	
gamma-BHC	***0.52***	***2.2***	***50***	ND		ND		ND		ND		ND		ND	
delta-BHC	~	~	~	ND		ND		ND		ND		ND		ND	
Heptachlor	***0.15***	***0.65***	***50***	ND		ND		ND		ND		ND		ND	
Aldrin	***0.04***	***0.17***	***50***	ND		ND		ND		ND		ND		ND	
Heptachlor epoxide	~	~	~	ND		ND		ND		ND		ND		ND	
Endosulfan I	~	~	~	ND		ND		ND		ND		ND		ND	
4,4'-DDE	***2***	***9***	***50***	ND		ND		ND		ND		0.0098		ND	
Dieldrin	***0.042***	***0.18***	***50***	ND		ND		ND		ND		ND		ND	
Endrin	***17***	***310***	***50***	ND		ND		ND		ND		ND		ND	
Endosulfan II	~	~	~	ND		ND		ND		ND		ND		ND	
4,4'-DDD	***3***	***12***	***50***	ND		ND		ND		ND		ND		ND	
Endrin aldehyde	~	~	~	ND		ND		ND		ND		ND		ND	
Endosulfan sulfate	~	~	~	ND		ND		ND		ND		ND		ND	
4,4'-DDT	***2***	***9***	***500***	0.017		0.011		ND		ND		0.029		0.038	
Endrin ketone	~	~	~	ND		ND		ND		ND		ND		ND	
Methoxychlor	***280***	***5200***	***50***	ND		ND		ND		ND		ND		ND	
alpha-Chlordane	~	~	~	ND		ND		ND		ND		ND		0.012	
gamma-Chlordane	~	~	~	ND		ND		ND		ND		ND		0.035	
Toxaphene	***0.1***	***0.2***	***50***	ND		ND		ND		ND		ND		ND	

Table IV
Summary of Pesticides in Soil

			Client ID:	C3(15)	C3(18)	C3(18)	C3(19)	C3(19)	SB10
			Sample Depth:	10.5-11	1.5-2	13.5-14	3.5-4	7.5-8	11.1-11.6
			Elevation:	2.0 to 1.5	11.2 to 10.7	-0.8 to -1.3	8.6 to 8.1	4.6 to 4.1	5.3 to 4.8
			Lab ID:	2113-017	2113-008	2113-010	2113-022	2113-023	2245-012
			Date Sampled:	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/29/2002
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***						
alpha-BHC	~	~	~	ND	ND	ND	ND	ND	ND
beta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
gamma-BHC	***0.52***	***2.2***	***50***	ND	ND	ND	ND	ND	ND
delta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
Heptachlor	***0.15***	***0.65***	***50***	ND	ND	ND	ND	ND	ND
Aldrin	***0.04***	***0.17***	***50***	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan I	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDE	***2***	***9***	***50***	ND	ND	ND	ND	ND	ND
Dieldrin	***0.042***	***0.18***	***50***	ND	ND	ND	ND	ND	ND
Endrin	***17***	***310***	***50***	ND	ND	ND	ND	ND	ND
Endosulfan II	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDD	***3***	***12***	***50***	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDT	***2***	***9***	***500***	0.0098	0.0076	0.0071	ND	ND	ND
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND
Methoxychlor	***280***	***5200***	***50***	ND	ND	ND	ND	ND	ND
alpha-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
gamma-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
Toxaphene	***0.1***	***0.2***	***50***	ND	ND	ND	ND	ND	ND

Table IV
Summary of Pesticides in Soil

			Client ID:	SB11	SB21	SB27	TP1	TP1	B10-0
			Sample Depth:	6.6-7.1	5.5-6.0	2.4-2.9	7.0-7.5	10-10.5	5.0-5.5
			Elevation:	5.5-5.0	2.8-2.3	11.2-10.7	5.2-4.7	2.2-1.7	3.5-3.0
			Lab ID:	2245-004	2960-001	2486-001	2626-009	2626-010	2922-003
			Date Sampled:	03/29/2002	04/25/2002	04/06/2002	04/12/2002	04/12/2002	04/24/2002
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***						
alpha-BHC	~	~	~	ND	ND	ND	ND	ND	ND
beta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
gamma-BHC	***0.52***	***2.2***	***50***	ND	ND	ND	ND	ND	ND
delta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
Heptachlor	***0.15***	***0.65***	***50***	ND	ND	ND	ND	ND	ND
Aldrin	***0.04***	***0.17***	***50***	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan I	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDE	***2***	***9***	***50***	ND	ND	0.0071	ND	ND	0.011
Dieldrin	***0.042***	***0.18***	***50***	ND	ND	ND	ND	ND	ND
Endrin	***17***	***310***	***50***	ND	ND	ND	ND	ND	ND
Endosulfan II	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDD	***3***	***12***	***50***	ND	ND	ND	ND	ND	0.010
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDT	***2***	***9***	***500***	ND	ND	0.024	0.017	ND	0.056
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND
Methoxychlor	***280***	***5200***	***50***	ND	ND	ND	ND	ND	ND
alpha-Chlordane	~	~	~	ND	ND	0.0045	ND	ND	ND
gamma-Chlordane	~	~	~	ND	ND	0.013	ND	ND	ND
Toxaphene	***0.1***	***0.2***	***50***	ND	ND	ND	ND	ND	ND

Table IV
Summary of Pesticides in Soil

			Client ID:	B11-0	B11-0	B18-0	B18-0	FB032002	FB032202
			Sample Depth:	5.5-6.0	10.5-11	1.0-1.5	6.5-7.0	--	--
			Elevation:	2.9-2.4	-2.1 to -2.6	7.3-6.8	1.8-1.3	--	--
			Lab ID:	2922-006	2922-007	3013-003	3013-004	1998-003	2077-001
			Date Sampled:	04/24/2002	04/24/2002	04/26/2002	04/26/2002	03/20/2002	03/22/2002
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***						
alpha-BHC	~	~	~	ND	ND	ND	ND	ND	ND
beta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
gamma-BHC	***0.52***	***2.2***	***50***	ND	ND	ND	ND	ND	ND
delta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
Heptachlor	***0.15***	***0.65***	***50***	ND	ND	ND	ND	ND	ND
Aldrin	***0.04***	***0.17***	***50***	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan I	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDE	***2***	***9***	***50***	ND	ND	ND	0.081	ND	ND
Dieldrin	***0.042***	***0.18***	***50***	ND	ND	ND	ND	ND	ND
Endrin	***17***	***310***	***50***	ND	ND	ND	ND	ND	ND
Endosulfan II	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDD	***3***	***12***	***50***	ND	ND	ND	0.090	ND	ND
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDT	***2***	***9***	***500***	ND	ND	ND	0.021	ND	ND
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND
Methoxychlor	***280***	***5200***	***50***	ND	ND	ND	ND	ND	ND
alpha-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
gamma-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
Toxaphene	***0.1***	***0.2***	***50***	ND	ND	ND	ND	ND	ND

Table IV
Summary of Pesticides in Soil

			Client ID:	FB032602	FB032902	FB040102	FB040402	FB040902	FB041102
			Sample Depth:	--	--	--	--	--	--
			Elevation:	--	--	--	--	--	--
			Lab ID:	2140-001	2245-001	2276-001	2396-006	2526-001	2600-001
			Date Sampled:	03/26/2002	03/29/2002	04/01/2002	04/04/2002	04/09/2002	04/11/2002
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***						
alpha-BHC	~	~	~	ND	ND	ND	ND	ND	ND
beta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
gamma-BHC	***0.52***	***2.2***	***50***	ND	ND	ND	ND	ND	ND
delta-BHC	~	~	~	ND	ND	ND	ND	ND	ND
Heptachlor	***0.15***	***0.65***	***50***	ND	ND	ND	ND	ND	ND
Aldrin	***0.04***	***0.17***	***50***	ND	ND	ND	ND	ND	ND
Heptachlor epoxide	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan I	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDE	***2***	***9***	***50***	ND	ND	ND	ND	ND	ND
Dieldrin	***0.042***	***0.18***	***50***	ND	ND	ND	ND	ND	ND
Endrin	***17***	***310***	***50***	ND	ND	ND	ND	ND	ND
Endosulfan II	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDD	***3***	***12***	***50***	ND	ND	ND	ND	ND	ND
Endrin aldehyde	~	~	~	ND	ND	ND	ND	ND	ND
Endosulfan sulfate	~	~	~	ND	ND	ND	ND	ND	ND
4,4'-DDT	***2***	***9***	***500***	ND	ND	ND	ND	ND	ND
Endrin ketone	~	~	~	ND	ND	ND	ND	ND	ND
Methoxychlor	***280***	***5200***	***50***	ND	ND	ND	ND	ND	ND
alpha-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
gamma-Chlordane	~	~	~	ND	ND	ND	ND	ND	ND
Toxaphene	***0.1***	***0.2***	***50***	ND	ND	ND	ND	ND	ND

Table IV
Summary of Pesticides in Soil

			Client ID:	FB042402		FB042602		FB050102		FB050302	
			Sample Depth:	--		--		--		--	
			Elevation:	--		--		--		--	
			Lab ID:	2922-010		3013-012		3193-014		3229-001	
			Date Sampled:	04/24/2002		04/26/2002		05/01/2002		05/03/2002	
Pesticides (ppm)	***USCC***	***RSCC***	***IGWSCC***								
alpha-BHC	~	~	~	ND		ND		ND		ND	
beta-BHC	~	~	~	ND		ND		ND		ND	
gamma-BHC	***0.52***	***2.2***	***50***	ND		ND		ND		ND	
delta-BHC	~	~	~	ND		ND		ND		ND	
Heptachlor	***0.15***	***0.65***	***50***	ND		ND		ND		ND	
Aldrin	***0.04***	***0.17***	***50***	ND		ND		ND		ND	
Heptachlor epoxide	~	~	~	ND		ND		ND		ND	
Endosulfan I	~	~	~	ND		ND		ND		ND	
4,4'-DDE	***2***	***9***	***50***	ND		ND		ND		ND	
Dieldrin	***0.042***	***0.18***	***50***	ND		ND		ND		ND	
Endrin	***17***	***310***	***50***	ND		ND		ND		ND	
Endosulfan II	~	~	~	ND		ND		ND		ND	
4,4'-DDD	***3***	***12***	***50***	ND		ND		ND		ND	
Endrin aldehyde	~	~	~	ND		ND		ND		ND	
Endosulfan sulfate	~	~	~	ND		ND		ND		ND	
4,4'-DDT	***2***	***9***	***500***	ND		ND		ND		ND	
Endrin ketone	~	~	~	ND		ND		ND		ND	
Methoxychlor	***280***	***5200***	***50***	ND		ND		ND		ND	
alpha-Chlordane	~	~	~	ND		ND		ND		ND	
gamma-Chlordane	~	~	~	ND		ND		ND		ND	
Toxaphene	***0.1***	***0.2***	***50***	ND		ND		ND		ND	

Table V
Summary of PCBs in Soil

			Client ID:	C3(4)		C3(4)		C3(5)		C3(5)		C3(5)		C3(6)	
			Sample Depth:	3.5-4		14.5-15		1.5-2		10-10.5		14.5-15		3.5-4	
			Elevation:	8.8 to 8.3		-2.2 to -2.7		10.8 to 10.3		2.3 to 1.8		-2.2 to -2.7		8.4 to 7.9	
			Lab ID:	2140-003		2140-004		2140-005		2077-003		2077-004		2140-008	
			Date Sampled:	03/26/2002		03/26/2002		03/26/2002		03/22/2002		03/22/2002		03/26/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	

			Client ID:	C3(6)		C3(10)		C3(10)		C3(14)		C3(14)		C3(15)	
			Sample Depth:	13.5-14		1-1.5		7.5-8		1.5-2		8.5-9		1.5-2	
			Elevation:	-1.6 to -2.1		12.1 to 11.6		5.6 to 5.1		11.2 to 10.7		4.2 to 3.7		11.0 to 10.5	
			Lab ID:	2140-009		2113-001		2113-003		2113-018		2113-020		2113-015	
			Date Sampled:	03/26/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	

Table V
Summary of PCBs in Soil

			Client ID:	C3(15)		C3(18)		C3(18)		C3(19)		C3(19)		SB10	
			Sample Depth:	10.5-11		1.5-2		13.5-14		3.5-4		7.5-8		11.1-11.6	
			Elevation:	2.0 to 1.5		11.2 to 10.7		-0.8 to -1.3		8.6 to 8.1		4.6 to 4.1		5.3 to 5.8	
			Lab ID:	2113-017		2113-008		2113-010		2113-022		2113-023		2245-012	
			Date Sampled:	03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/25/2002		03/29/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	0.038		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	

			Client ID:	SB11		SB21		SB27		TP1		TP1		B10-0	
			Sample Depth:	6.6-7.1		5.5-6.0		2.4-2.9		7.0-7.5		10-10.5		5.0-5.5	
			Elevation:	5.5 to 5.0		2.8-2.3		11.2-10.7		5.2-4.7		2.2-1.7		3.5-3.0	
			Lab ID:	2245-004		2960-001		2486-001		2626-009		2626-010		2922-003	
			Date Sampled:	03/29/2002		04/25/2002		04/06/2002		04/12/2002		04/12/2002		04/24/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		**0.593**		ND		ND		ND	

Table V
Summary of PCBs in Soil

			Client ID:	B11-0		B11-0		B18-0		B18-0		FB032002		FB032202	
			Sample Depth:	5.5-6.0		10.5-11		1.0-1.5		6.5-7.0		--		--	
			Elevation:	2.9-2.4		-2.1 to -2.6		7.3-6.8		1.8-1.3		--		--	
			Lab ID:	2922-006		2922-007		3013-003		3013-004		1998-003		2077-001	
			Date Sampled:	04/24/2002		04/24/2002		04/26/2002		04/26/2002		03/20/2002		03/22/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	

			Client ID:	FB032602		FB032902		FB040102		FB040402		FB040902		FB041102	
			Sample Depth:	--		--		--		--		--		--	
			Elevation:	--		--		--		--		--		--	
			Lab ID:	2140-001		2245-001		2276-001		2396-006		2526-001		2600-001	
			Date Sampled:	03/26/2002		03/29/2002		04/01/2002		04/04/2002		04/09/2002		04/11/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*												
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND		ND		ND	

Table V
Summary of PCBs in Soil

			Client ID:	FB042402		FB042602		FB050102		FB050302	
			Sample Depth:	--		--		--		--	
			Elevation:	--		--		--		--	
			Lab ID:	2922-010		3013-012		3193-014		3229-001	
			Date Sampled:	04/24/2002		04/26/2002		05/01/2002		05/03/2002	
PCBs (ppm)	*USCC*	*RSCC*	*IGWSCC*								
Aroclor-1016	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1221	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1232	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1242	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1248	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1254	*0.49*	*2*	*50*	ND		ND		ND		ND	
Aroclor-1260	*0.49*	*2*	*50*	ND		ND		ND		ND	

Table VI
Summary of Cyanide in Soil

			Client ID:	C3(4)	C3(4)	C3(5)	C3(5)	C3(5)	C3(6)
			Sample Depth:	3.5-4	14.5-15	1.5-2	10-10.5	14.5-15	3.5-4
			Elevation:	8.8 to 8.3	-2.2 to -2.7	10.8-10.3	2.3-1.8	-2.2 to -2.7	8.4 to 7.9
			Lab ID:	2140-003	2140-004	2140-005	2077-003	2077-004	2140-008
			Date Sampled:	03/26/2002	03/26/2002	03/26/2002	03/22/2002	03/22/2002	03/26/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	1.26	ND	ND	ND	ND	2.33

			Client ID:	C3(6)	C3(10)	C3(10)	C3(14)	C3(14)	C3(15)
			Sample Depth:	13.5-14	1-1.5	7.5-8	1.5-2	8.5-9	1.5-2
			Elevation:	-1.6 to -2.1	12.1 to 11.6	5.6 to 5.1	11.2 to 10.7	4.2 to 3.7	11.0 to 10.5
			Lab ID:	2140-009	2113-001	2113-003	2113-018	2113-020	2113-015
			Date Sampled:	03/26/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	ND	ND	ND	ND	1.20

			Client ID:	C3(15)	C3(18)	C3(18)	C3(19)	C3(19)	SB10
			Sample Depth:	10.5-11	1.5-2	13.5-14	3.5-4	7.5-8	11.1-11.6
			Elevation:	2.0 to 1.5	11.2 to 10.7	-0.8 to -1.3	8.6 to 8.1	4.6 to 4.1	5.3 to 4.8
			Lab ID:	2113-017	2113-008	2113-010	2113-022	2113-023	2245-012
			Date Sampled:	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/25/2002	03/29/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	ND	ND	1.30	ND	2.66

			Client ID:	SB11	SB21	SB27	SB28	SB28	SB28
			Sample Depth:	6.6-7.1	5.5-6.0	2.4-2.9	4.5-5.0	8.0-8.5	12.6-13.1
			Elevation:	5.5 to 5.0	2.8-2.3	11.2-10.7	12.1-11.6	8.1-7.6	3.5-3.0
			Lab ID:	2245-004	2960-001	2486-001	2867-001	2867-002	2867-003
			Date Sampled:	03/29/2002	04/25/2002	04/06/2002	04/23/2002	04/23/2002	04/23/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	1.39	1.74	ND	ND	ND	ND

			Client ID:	SB28	SB28	SB37	SB37	SB37	TP1
			Sample Depth:	20.6-21.1	21.1-21.6	4.5-5.0	6.6-7.1	12.6-13.1	7.0-7.5
			Elevation:	-4.5 to -5.0	-5.0 to -5.5	7.6-7.1	5.5-5.0	-0.5 to -1.0	5.2-4.7
			Lab ID:	2867-004	2867-005	2867-006	2867-007	2867-008	2626-009
			Date Sampled:	04/23/2002	04/23/2002	04/23/2002	04/23/2002	04/23/2002	04/12/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	ND	ND	ND	ND	2.38

Table VI
Summary of Cyanide in Soil

			Client ID:	TP1	B10-0	B11-0	B11-0	B18-0	B18-0
			Sample Depth:	10-10.5	5.0-5.5	5.5-6.0	10.5-11	1.0-1.5	6.5-7.0
			Elevation:	2.2-1.7	3.5-3.0	2.9-2.4	-2.1 to -2.6	7.3-6.8	1.8-1.3
			Lab ID:	2626-010	2922-003	2922-006	2922-007	3013-003	3013-004
			Date Sampled:	04/12/2002	04/24/2002	04/24/2002	04/24/2002	04/26/2002	04/26/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	1.73	4.28	ND	ND	ND

			Client ID:	FB032002	FB032202	FB032602	FB032902	FB040102	FB040402
			Sample Depth:	--	--	--	--	--	--
			Elevation:	--	--	--	--	--	--
			Lab ID:	1998-003	2077-001	2140-001	2245-001	2276-001	2396-006
			Date Sampled:	03/20/2002	03/22/2002	03/26/2002	03/29/2002	04/01/2002	04/04/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	ND	ND	ND	ND	ND

			Client ID:	FB040902	FB041102	FB042402	FB042602	FB050102	FB050302
			Sample Depth:	--	--	--	--	--	--
			Elevation:	--	--	--	--	--	--
			Lab ID:	2526-001	2600-001	2922-010	3013-012	3139-014	3229-001
			Date Sampled:	04/09/2002	04/11/2002	04/24/2002	04/26/2002	05/01/2002	05/03/2002
	USCC	*RSCC*	*IGWSCC*						
Cyanide, Total (ppm)	*1100*	*21000*	~	ND	ND	ND	ND	ND	ND

APPENDICES

APPENDIX A

APPENDIX A

DRAI Soil Boring Logs

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-4

Elevation: 12.3'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/22/02, 03/26/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8.5 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 34 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	6		ND			FILL: Light brown to brown SILT with some sand; trace gravel. Medium to dense, moist.
1	11	12				
	9					
2	24		ND	C3(4)/1.5-2'		
	13		ND			
3	26	12				
	10					FILL: Black GRAVEL with ash, some purple sand. Medium dense to loose.
4	16		ND	C3(4)/3.5-4'		
			ND			
5						
6						
						FILL: Reddish/purple to black medium to coarse SAND, some coarse gravel. Saturated.
7						
8						
					▽	
9						
10						
11						
12						
13			ND			
	36		ND			FILL: Purple-stained sand and gravel, coarse angular, wet.
14	41	24			PT	PEAT: Dark brown to brown silty meadow mat.
	10					
15	10		ND	C3(4)/14.5-15'		

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-4

304914

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-4

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21	7 9 11	24	ND : :	C3(4)/20-20.5'	SP	SAND: Well sorted fine to very fine gray sand with brown mottling, trace silt. Moist, no staining or odor.
22	29		ND			
23						
24						
25						
26	13 14 16	24	ND : :		OL	CLAY: Brown to Red-Brown varved clay with very fine sand. Moist, no staining and no odor.
27	22		ND.			
28						
29						
30						
31	14 16 23	24	ND : :			CLAY: Same as Above
32	32		ND			
33						
34						
						Bedrock (sandstone and diabase) at 34 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-4

304915

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-5

Elevation: 12.3'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/22/02, 03/26/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 10 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 34 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	16		ND			FILL: Light brown, gravelly SILT, some sand, dense.
1	24	12	ND			
	31		5			
2	20		3	C3(5)/1.5-2.0'		
	21		ND			
3	17	18	⋮			FILL: Brown silty gravel and sand, plastic and metal debris, dense.
	19		⋮			
4	18		ND	C3(5)/3.5-4.0'		
			ND			
5			⋮			
			⋮			
6			⋮			
			⋮			FILL: Black medium to coarse SAND, some fine gravel.
7			⋮			
			⋮			
8			⋮			
			⋮			FILL: Dark reddish-purple fine to coarse SAND.
9			⋮			
			⋮			
10			ND		▽	
	3		ND	C3(5)/10.0-10.5'		FILL: Loose ash and slag; fine gravel, staining and odors, product globules and sheen, saturated.
11	2		2.1			
	5	12				
12	7		3.6			
13						
	6		7			
14	9	18	30			FILL: Purple gravel with loose oily sheen
	7		18			
15	1		20	C3(5)/14.5-15.0'	PT	PEAT: Dark brown to black, (roots present throughout). Staining and odors, product globules and sheen, saturated.
	4	24				

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-5

304916

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-5

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	4		15		SW	SAND: Dark-gray, fine sand, staining and odors.
16	4		1.8			
	6		3.4			
17						
18						
19						
20						
	4		ND	C3(5)/20-20.5'		
21	7	24	⋮		SP	SAND: Well sorted fine to very fine gray and olive green sand, little silt. Moist, no staining or odor.
	9		⋮			
22	1		ND			
23						
24						
25						
	4		ND	C3-5/25.0-25.5'		
26	7	24	⋮			
	9		⋮		OL	CLAY: Brown to red-brown varved clay with very fine sand, soft. Slightly moist, no staining and no odor.
27	11		ND			
28						
29						
30						
	12		ND	C3-5/30.0-30.5'		CLAY: Same as Above
31	17	12	⋮			
	17		⋮			
32	23		ND			
33						
34						
						Bedrock (sandstone) at 34 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-5

304917

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-6

Elevation: 11.9'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/21/02, 03/26/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 28 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	16		ND			FILL: Light brown, sandy SILT, trace gravel, soft, medium dense.
1	14	10				
	12					
2	12		ND	C3(6)/1.5-2.0'		
	11		ND			
3	7	10				
	9					FILL: Brown, purplish-red, silty GRAVEL and sand, angular.
4	7		ND	C3(6)/3.5-4.0'		
			ND			
5						
6						
						FILL: Black, medium to coarse SAND, some fine gravel.
7						
8						
						FILL: Reddish-purple, fine to coarse SAND, trace gray clay.
9					▽	
10			ND			
	6		9.5			FILL: dark brown to black silt with staining and odors; white powdery ash throughout.
11	8	24	48			
	8		133	C3(6)/11-11.5'		
12	10		38			
	16		25			
13	10	24	130			FILL: Purplish-black sandy, silty gravel, angular. Medium dense. Saturated.
	8		77		SM	SILT: Brown to black, some gravel, purple staining, trace sand, some organics (meadowmat), dry.
14	8		25	C3(6)/13.5-14'		
15						
	0				SW	SAND: Dark brown to black, little silt, staining, odors and sheen

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-6

304918

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-6

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	6		15	C3(6)/15-15.5'	SW	SAND: Dark brown to black, little silt, staining, odors and sheen. Fine to coarse gravel.
16	9	20	1.8			
	15		3.4			
17						
18						
19						
20						
	6		ND			
21	16	18	;		SP	SAND: Well sorted fine to very fine gray and olive green sand, little mottled silt.
	17		2.1	C3-5/21.5-22'		
22	28		ND			
23						
24						
25						
	20		ND	C3-6/25.0-25.5'		
26	21	24	;			
	25		;		OL	CLAY: Brown to Red-Brown varved clay with very fine sand, soft. Slightly moist, no staining and no odor.
27	90		ND			
28						SAND: Red-brown, well-sorted fine-grained sand.
						Bedrock (sandstone) at 28 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-6

304919

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-10

Elevation: 13.1'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/21/02, 03/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 31.5 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	2		ND			FILL: Brown, sandy SILT, trace gravel, soft.
1	1	6				
	1					
2	3		ND	C3(10)/1.5-2.0'		
	6		ND			
3	7	6				FILL: Brownish-red, sandy silt, medium dense, trace gravel.
	9					
4	7		ND	C3(10)/3.5-4.0'		
			ND			
5						
6						
	6					FILL: Dark brown to black silt, some sand and gravel, trace organics, some fine gravel.
7	3	12				
	5					
8	4			C3(10)/7.5-8.0'		
9					▽	FILL: Reddish-purple, fine to coarse SAND, trace gray clay.
10						
11						
12						
13						
14						
15						
	32	24	ND		ML	SILT: Dark brown silt, soft with trace organics.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-10

304920

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **C3-10**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	3		ND	C3(10)/15-15.5'	ML	SILT: Dark brown silt, soft with trace organics.
16	4	21	ND		SW	SAND: Gray fine to medium poorly sorted sand, medium dense. Wet.
	7		ND			
17						
18						
19						
20						
	22		ND	C3(10)/20-20.5'		
21	26	20	⋮		SP	SAND: Well sorted fine to very fine gray and olive green sand, little silt. Moist, no staining or odor.
	36		⋮			
22	48		ND			
23						
24						
25						
	21		ND	C3(10)/25-25.5'	OL	CLAY: Brown to red-brown dense, varved clay with very fine sand. Slightly dry no staining and no odor.
26	34	24	⋮			
	35		⋮			
27	39		ND			
28						
29						
30						
	29				SW	SAND: Red-brown, medium to coarse with some gravel.
31	36	12				
	50/5"					
32						Bedrock (sandstone) at 31.5 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-10

304921

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-14

Elevation: 12.7'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/20/02, 03/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 23 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	5		ND			FILL: Light brown sand and silt, some gravel, medium dense.
1	7	12	|			
	9		|			
2	10		|	C3(14)/1.5-2'		
	10		|			FILL: Brown silt, some sand and gravel, medium dense, moist. Trace purple/red color at tip.
3	22	6	|			
	17		|			
4	36		ND	C3(14)/3.5-4'		
5						
6						
	5		ND			
7	7		|			FILL: Dark brown sandy silt, some angular gravel, white ash throughout.
	9	11	|			
8	12		ND			FILL: Reddish-purple fine to coarse SAND.
9					▽	
10						
11						
12						
13						
14						
15						
					SP	SAND: Light-gray, well-sorted fine sand, moist.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-14

304922

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-14

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
			1		SP	SAND: Light-gray, well-sorted fine sand, moist.
16		20	ND			
			28	C3(14)/16.5-17'		
17						
18						
19						
20						
			27		SM	SAND and SILT, red-brown, fine sand, very moist, some brown/olive green silt.
21		22	25			
			2.2			
22			4	C3(14)/21.5-22'		
23						
24						Bedrock (sandstone) at 23 feet.
25						
26						
27						
28						

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-14

304923

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-15

Elevation: 12.5'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/20/02, 03/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 23 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	8		ND			FILL: Light brown sand and silt, some gravel, medium dense.
1	8	18				
	10					
2	12			C3(15)/1.5-2'		
	7					FILL: Brown silt, some sand and gravel, medium dense, moist.
3	12	10				
	5					
4	6		ND	C3(15)/3.5-4'		
5						
6						
						FILL: Black medium to coarse SAND, some fine gravel.
7						
8					▽	FILL: Reddish-purple fine to coarse SAND.
9						
	5					
10	7	9				FILL: Brown silt with white-gray sand, ash and rounded gravel.
	6					
11	8			C3(15)/10.5-11'		
					OL	SILT: Gray with trace peat.
12						
13						
14						
15						

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-15

304924

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-15

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
			ND	C3(15)/20-20.5'	ML	SILT: Red-brown, some fine sand, wood debris (20 to 21.25 feet) moist to very moist, yellow sand lens at 20.25 feet.
21		23	ND			
			ND			
22			ND			
		12				
23				C3(15)/22.5-23'	SW	SAND: Red-brown, little silt, saturated.
						Bedrock (sandstone) at 23 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-15

304925

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-18

Elevation: 12.7'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/20/02, 03/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 28 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	3		ND			FILL: Dark red/purple brown silt, some medium-coarse sand and gravel, medium dense, moist, some ash.
1	5	6	|			
	5		|			
2	10		|	C3(18)/1.5-2'		
	5		|			FILL: Red/brown silt, some medium-coarse sand and gravel, concrete debris, dry.
3	6	9	|			
	6		|			
4	5		ND	C3(18)/3.5-4'		
5						
6						
						FILL: Black medium to coarse SAND, some fine gravel.
7					▽	
						FILL: Reddish-purple fine to coarse SAND.
8						
9						
10						
11						
12						
	10		ND		ML	SILT: Brown with gravel, wet, medium dense.
13	9	7	|			
	9		|			
14	11		ND	C3(18)/13.5-14'		
15						

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-18

304926

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-18

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19		14	ND 11 14		SM	SAND: Red-brown to green sand and silt with fine to coarse gravel, moist, no staining or odor.
20						
21		16	ND | | ND	C3(18)/20-20.5'		SAND: same as above
22						
23						
24						
25						
26						
27						
28						
						Bedrock (sandstone) at 28 feet.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-18

304927

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

C3-19

Elevation: 12.1'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **3/20/02, 03/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 22 feet

LOGGED BY: **R. Tripodi, C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	5		ND			FILL: Brown SILT and fine sand, some angular gravel.
1	7	10	|			
	9		|			
2	7		|	C3(19)/1.5-2'		
	13		|			FILL: Brown SILT, some sand, gravel and white ash throughout, moist.
3	17	24	|			
	10		|			
4	11		ND	C3(19)/3.5-4'		FILL: Red/purple SILT, stiff and dry.
5						
6						
	6		ND			FILL: Brown and purple SILT, some gray sand, gravel and yellow loose ash.
7	21		|		▽	Wet at 7 feet.
	13	19	|			
8	16		ND	C3(19)/7.5-8'		
9						
10						
11						
12						
13						
14						
15						
		18	ND		SM	SAND: Red/brown sand, some silt, very moist, no staining and no odors.

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-19

304928

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER C3-19

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
			ND	C3(19)/15-15.5'	SM	SAND: Red/brown sand, some silt, very moist, no staining and no odors.
16		18	ND			
			ND			
17						
18						
19						
20						
	31			C3(19)/20-20.5'	ML	SILT: Red/brown silt, trace fine sand and trace gravel, slightly moist.
21	31	19				
	18					
22	87				SP	SAND: Light gray well-sorted fine to very fine sand.
						Bedrock (sandstone) at 21.75 feet.
23						
24						
25						
26						
27						
28						

Some of the soil lithology was provided by EWMA's Test Pit Logs completed in June 2000.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/C3-19

304929

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-1

Elevation: 12.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **03/27/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9'

DRILLER: **Wess Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 34'

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2.4'
2						
3	14 22	12	ND |			FILL: Loose, brown, fine SAND with little to some silt, fine to coarse gravel, slightly moist.
4	14 15		| ND	SB(1)/3.4-3.9'		Loose brown SAND, little silt, some cinders and slag, wood debris, moist, and coal fragments.
5	22 100/3"	9	ND |	SB(1)/4.4-4.9'		Loose fine brown SAND, some silt, fine gravel. GRAVEL with mica fragments, very dark brown sand, dry.
6			| ND			
7	4	12	ND	SB(1)/6.8-7.3'		Loose cinders with ash, slag, and coal fragments, moist.
8	5 4 4		| | ND			
9					▽	
10						
11						
12						
13						
14						
15	4 5		ND ND		SP	SAND: Well sorted, gray/brown, very fine to fine, little to trace silt; saturated, slight odor.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-1

304930

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-1

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	5		ND			
16	7		1.2			
	5		1.5	SB(1)/ 15.9-16.4'		
17						
18						
19						
20						
21						
22						
	4		2.3		SP	SAND: Well sorted, fine, brown, little silt, saturated.
23	5	16	2.1			
	7		1.8			
24	5		4.6	SB(1)/23.4-23.9'	SC	SAND: Brown, fine, clayey, saturated.
25						
26						
27						
	20		ND	SB(1)/ 26.9-27.4'	CL	CLAY: Brown to red/brown, varved, medium plasticity, soft, no staining/odor.
28	20	21				
	25					
29	27		ND			
30						
31						
32						
	7		ND	SB(1)/ 31.9-32.4'		Same as above.
33	17	20				
	20					
34	21		ND			
						Bedrock at 34'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-1

304931

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-2

Elevation: 12.0'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/27/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 3.5'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 28'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 1.6'
2	16	10	1	SB(2)/1.6-2.1'		FILL: Black to dark brown SILT, dry, medium dense, some gravel, trace sand.
	21		ND			
3	50/1"		--			
			--		▽	
4	17	6	ND	SB(2)/3.6-4.1'		Dark brown to black SILT, some angular gravel, wet, moderately dense.
	19		--			
5	10		--			
	11		--			
6						
7						
8						
9						
10						
11						
12						
13						
	9	24	5			
14	11		5	SB(2)/13.6-14.1'		FILL: Brown to gray silty fine SAND, loose moderately dense, wet, sheen and odor present.
	10		4			
15	7		4		SP	Gray fine SAND, moderately dense, wet, trace organics.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-2

304932

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-2

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21						
	20		ND	SB(2)/21.1-21.6	CL	Red Brown CLAY, some to little medium sand and gravel, dense, dry
22	29	24				
	33					
23	38		ND		SW	Light Brown very fine SAND, med dense, dry
24						
25						
26						
	49		ND			
27	50/2	24	ND			
					ML	Red brown sandy SILT, some gravel, trace clay, dense, moist. White Sandstone and gravel in tip.
28						
						Bedrock (white sandstone) at 27 feet.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-2

304933

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-3

Elevation: 12.1'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/28/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** ~10'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 27.5'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2	16	10	26	SB(3)/1.7-2.2		FILL: Brown SILT and gravel.
	50/5"		23			
3			17			
			--			
4	40	NR				
	50/1"					
5						
6						
7						
8						
9						
10					▽	
11						
12						
	16	18	27	SB(3)/12-12.5		
13	11		37			Red brown to black SILT, some gravel, little Dark purple color, wet.
	10		17		PT	PEAT: Brown SILT with Meadow mat organics
14	10		17			
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-3

304934

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-3

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21						
	12		ND	SB(3)/21.2-21.7	CL	Red brown CLAY, medium dense, dry.
22	16	10				
	14					
23	16		ND			
24						
25						
26						
		31	ND	SB(3)/26.2-26.7	SW	Red-brown medium to very fine sand, medium dense, trace gravel and silt, wet.
27		46				
		50/2"			GP	Blue-Black GRAVEL, large diabase/basalt, angular
28			ND			
						Bedrock (diabase) at 27.5 feet.

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-4

Elevation: 13.0'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/26/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 13'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 24.5'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2'
2						
3	50/2"	0				
4						
5	50/2"	0				
6						
7						
8						
9						
10						
11						
12						
13	16 24 36	24	6 6 9	SB(4)/12.5-13.0'	▽	FILL: Dark gray, gravelly SAND, medium to coarse, some cinders and ash present. Pink/light red SAND, medium to coarse, some angular gravel, medium dense to dense, wet, little cinder/ash.
14	20		3			
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-4

304936

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-4

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21						
22						
23	21	19	ND	SB(4)/22.5-23.0'	ML	SILT: Light brown, clayey, some to little sand, trace gravel, wet.
	40		|		SC	SAND: Blue/gray to gray, clayey, some gravel, dense, wet.
24	50/4"		|		GM	GRAVEL: Fine, angular, with some sand.
			ND			Large, angular, gravel/ bedrock.
						Bedrock at 24.5 feet.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-4

304937

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-5

Elevation: 13.4'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/27/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** ~9.5'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 25'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2.4'
2						
3	50/2"					FILL: Large gravel and cobbles.
4		0				
5						
6		0				
7						
8						
9						
10						
11						
12			3		ML	SILT: Black stained, some clay, organics, trace gravel, soft.
13		20	113 72 7	SB(5)/11.9-12.4'	SM	SAND: brown, silty, with organic peat.
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-5

304938

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-5

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21						
22						
23						
			3	SB(5)/22.9-23.5'	SM	SAND:Red/brown, silty, medium to coarse, rounded, wet.
24		20	1		GP	GRAVEL: Blue/black, some silt and sand, very dense, wet, broken diabase.
25			ND ND			
						Bedrock (diabase) at 24 feet.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-5

304939

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-6

Elevation: 14.0'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/27/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 5'9"

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 21.5'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2.8'
2						
3	50/2"					
4		0				
5			1	SB(6)/4.8-5.3'		GRAVEL: 5' - 5'1"
		11	1			SILT: Black, gravelly, some medium sand, moderately dense, wet at 5'9".
6			ND		▽	
			ND			
7						
8						
9						
10						
11						
12						
13						
14						
15		22	ND	SB(6)/14.8-15.3'	ML	SILT: Light red to red/brown, sandy, very dense, trace fine gravel, some yellow and green staining, moist.
			ND			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-6

304940

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-6

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16			ND ND ND		ML	SILT: Red/brown, some sand, trace gravel, very dense, dry.
17						
18						
19						
20						
21		4	ND ND	SB(6)/20.8-21.3'	SW	SAND: Light grayish to brown, silty, moderately dense to loose, dry.
22						Bedrock (grayish sandstone) at 21.5'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-6

304941

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-7

Elevation: 16.2'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/27/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** ~14'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	30		ND			Blue/white Gravel and Roadstone
1	50/2"	12	ND			FILL: Dark brown to dark grey sandy SILT, some gravel, very dense, dry.
			ND			
2			ND	SB(7)/1.5-2.0'		
	50/5"		ND			
3		NR	ND			
			ND			
4			ND			
	43		ND			
5	33	12	ND			FILL: Dark Grey to black sandy SILT, little mottling, some gravel and debris, v dense, moist.
	19		ND	SB(7)/5.5-6.0'		
6	20		ND			FILL: Brown-black silty Gravel, debris including nails, rubber, rope, and wood, wet at 8 feet.
			ND			
7			ND			
	50/5"		ND			
8		10	ND	SB(7)/7.75'		
			--			
9			--			
10						
	16		ND			FILL: Brown SILT, trace sand and fine gravel, red/dark brown color staining.
11	24	20	|			Silty, dense, sub-angular GRAVEL, dry.
	30		|			Light brown, gravelly SILT, very dense, dry, some to little medium sand.
12	23		|			
	29		|			Brown to dark brown.
13	36	17	|	SB(7)/12.4-12.9'		FILL: red/purplish, gravelly SILT.
	40		|			Brown sandy SILT, some gravel, moderately dense.
14	36		|		▽	White to light green gravelly SAND with pieces of white sandstone, moist.
	44	7	ND		GM	Large GRAVEL and sand, wet.
15	50/1"		--			
						Bedrock (white sandstone) at ~15'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-7

304942

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-8

Elevation: 16.3'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **03/28/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 11'

DRILLER: **Wess Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 16'

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	11	8	ND			Blue/white GRAVEL and Roadstone, dense, dry.
1	44		ND			FILL: Black GRAVEL with red sand and silt, trace deep purple silt, dense, dry.
	50/1"		ND			
2			--	SB(8)/1.5-2.0'		
	29	NR	--			
3	50/4"		--			
			--			
4			--			
	17	17	ND	SB(8)/4-4.5'		FILL: Brown SILT, little to some fine sand, trace gravel, trace to little moisture. Wet at 6 feet
5	21		ND			
	14		ND			
6	18	6	ND	SB(8)/5.7-6.2'		FILL: very loose, fine, red/brown SAND with fine to coarse gravel, large piece of sandstone at nose of core, diabase fragment, dry, piece of cloth.
	28		ND			
7	68		--			
	109/2"		--			
8	12	8	ND	SB(8)/7.7-8.2'		Loose, brown to red/brown, fine SAND, trace silt, fine gravel and sandstone fragment, dry.
	90		ND			
9	69		--			
	15		--			
10						
11					▽	
12						
13						
	5	12	ND	SB(8)/13.0-13.5'	SC	Red/brown to brown, clayey, fine SAND, fine to coarse gravel, sandstone fragment, saturated, no staining or odor.
14	35		ND			
15						
						Bedrock (sandstone) at 16'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-8

304943

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-9

Elevation: 16.4'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **03/28/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 12'

DRILLER: **Wess Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	16					Blue/white Gravel and Roadstone, dense, dry.
1	20	15	ND			FILL: Dark grey clayey SILT, dense, dry, some red-brown mottles, trace roots, trace medium sand.
	8		ND			
2	7		ND	SB(9)/1.5-2.0'		
	11					
3	36	13	ND			FILL: Red-brown fine to medium SAND, trace silt, trace angular to subangular small gravel, trace moisture.
	40		ND			
4	29		ND	SB(9)/3.5-4.0'		
	11					
5	9	18				
	15					
6	15		1.8	SB(9)/5.8-6.3'		FILL: Red/brown, loose, fine SAND, mica fragments, sandstone fragments, fine gravel, dry.
	45	6	ND			
7	50/3"		--			
			--			
8	10		0.8			Red/brown SILT, some fine sand, sandstone fragments, dry.
	55	12	ND			
9	56		--			
	30		--			
10	8		ND			Brown, clayey-fine SAND, fine to coarse gravel, brick and wood fragments, moist to very moist.
	6	4	ND			
11	11		--			
	13		--			
12	21		ND	SB(9)/11.8-12.3'	GP	Fine to coarse GRAVEL with some brown fine sand mixed throughout, loose, saturated.
	42	8	ND			
13	45		--			
	32		--			
14						
15						
						Bedrock (sandstone) at 15'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-9

304944

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-10

Elevation: 16.4'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/01/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 6 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 17 feet

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	16		ND			FILL: Brown Sandy SILT, trace Gravel, trace grass & roots, med dense, dry.
1	14	17				
	12					FILL: Dark brown-black Sandy SILT, trace to little slag material and gravel, brick, concrete, med-dense dry.
2	12		ND	SB(10)/1.5-2.0'		
	26		ND			
3	34	20				FILL: Red/brown Silty fine to medium SAND, little gravel, little to trace yellow/green sand and mica/schist frags., medium dense, dry.
	10					
4	14		ND	SB(10)/3.5-4.0'		
5						
6	5		ND	SB(10)/5.8-6.3'	▽	FILL: Brown SILT, some sand, medium dense, wet
	7	13				
7	39					FILL: Black mica schist
	50/2"		ND			FILL: Brown SILT, soft, wet.
8	7		ND	SB(10)/7.8-8.3'		
	9	7				FILL: Brown to dark brown clayey silt, some-little gravel, medium dense.
9	30					
	50/1"		ND			
10				SB(10)/9.5-10'		Dark purple silt at 9.5-10 ft-bgs.
11						
	11			SB(10)/11.1-11.6	SW	Red-brown SAND, some rust color throught, medium dense, wet
12	16	16				
	14					
13	16					Grey to brown fine to medium SAND, med dense, wet. coarse at 14 feet.
	7					
14	9	24				
	8					Brown to redbrown very fine SAND, med dense, wet.
15	8					

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-10

304945

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-10

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	17		ND	SB(10)/15.6-16.1'	SW	Same as above with with puple tint
16	19	24				
	40			SB(10)/16.1-16.6'		
17	50/4"		ND			
						Bedrock (white sandstone) at 17.1 feet.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-10

304946

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-11

Elevation: 12.1

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/29/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7.5 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 23 feet

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2	13	20	ND	SB11/1.5-2.0		Fill: Brown SAND, some silt and schisty gravel, dense, dry.
	11					
3	10					
	12		ND			
4	30	20	ND	SB11/4-4.5		Fill: Black to dark brown SILT, some gravel, trace sand, medium dense, dry.
	21					
5	16					
	18		ND			
6						
7	9	21	ND	SB11/6.6-7.1		Fill: Green fine to medium SAND, trace gravel, moist
	9				▽	Fill: Brown, little black, trace purple tint SILT and SAND, some gravel, wet @ 7.5 feet.
8	8					
	5		ND			
9						
10						
11						
12						
13	11	24	ND	SB11/12.6-13.1	SP	SAND: Grey, fine to medium, medium dense, moist to wet.
	7			SB11/13.1-13.6		
14	9					
	15		ND		ML	Silty CLAY: Red/brown, dense-very dense, moist.
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-11

304947

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-11

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18	26		ND	SB11/17.6-18.1	ML	Silty CLAY, Red/brown, becoming sandy, little gravel, very dense, dry.
	33	17		SB11/18.1-18.6		
19	46					
	42		ND			
20						
21						
22						
23	44		ND	SB11/22.6-23.1	GM	White sandstone fragments, dense, wet. Blue/black diabase gravel, very dense.
	50	20				
24	45					
	50/4		ND			Bedrock (sandstone) at 23 feet.
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-11

304948

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-12

Elevation: 8.4'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/29/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 3'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 21'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
	12		ND		▽	Dark gray to black cinders, ash, and concrete debris, med dense, wet
4	50/4	6		SB12/3.5-4.0		
5						NOTE: Concrete obstruction below 3'. Augered to 5'
	9		ND			Concrete and gravel, wet
6	36	6				
	6					
7	4					
8						
9						
	11		ND			Cinders and gravel, medium dense, wet
10	12	<4			SP	SAND: Red/brown sand, medium dense, wet
	14			SB12/10-10.5		
11	22					
12						
13						
14						
	12		ND			SAND: Light brown fine to medium sand, some small rounded gravels, medium dense, wet
15	17	4				

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-12

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	19					
16	18			SB12/15.5-16		Trace sheen
17						
18						
19						
	16		ND			SAND: Red/brown very fine sand, some silt, little small rounded gravels, wet, dense
20	17	18		SB12/19.5-20		
	25			SB12/20-20.5	ML	SILT: Dark gray/green, stiff silt, some clay and angular gravels, moist to wet
21	50/4				GP	White sandstone frags, some blue basalt gravels
						Bedrock (sandstone) at 21'
22						
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-12

304950

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-13

Elevation:8.0'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/30/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 4.5'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 30'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
	16		ND			FILL: Brown coarse sand, some gravels, moist to wet
5	23	24	ND			Light brown to tan silt and gravel, soft, wet
	9		3			White to light pink silt, some gravel, stiff, dry
6	7		3	SB13/5.5-6.0		Purple silt, some gravel, dense, dry
7						
8						
9						
	5		ND			
10	6	6	ND			Woody organic material in tip
	8					
11	11					
12						
13						
14						
	9		ND	SB13/14.2-14.7	SP	SAND: Fine to medium gray sand, medium dense, wet
15	23	17	8	SB13/14.7-15.2		Wood and organic debris

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-13

304951

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-13

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	22		ND		SM	SAND: Fine to coarse sand, dense, wet
16	19		ND			Gray, slight pink/red tint, fine sand and silt, some gravels, white sandstone
17						
18						
19						
	8		ND	SB13/19.2-19.7		
20	13	24	ND	SB13/19.7-20.2	ML	SILT: Red/brown clayey silt, medium dense to dense, wet
	17		ND			
21	17		ND			
22						
23						
24						
	15		ND	SB13/24.2-24.7		SILT: Red/brown clayey silt, dense, dry
25	17	24	ND	SB13/24.7-25.2		
	24		ND			
26	24		ND			
27						
28						
	47		ND		SP	SAND: Red/brown, fine-coarse
29	100/5	24				
				SB13/29-29.5	GM	GRAVEL: Blue diabase
30			ND			
						Bedrock @ 30 feet
31						
32						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-13

304952

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-14

Elevation: 8.1'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/30/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 3'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 35'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
	2		ND		▽	Fill: Loose, soft, dark brown silt, some gravel, wet
4	4	24	ND	SB14/3.4-3.9		Brown silt, some gravel, medium dense, wet, trace organics
	3		ND			Red/brown, some light brown gravelly silt, medium dense, wet
5	4		ND			
6						
7						
8						
9						
	1		2.7		ML	SILT: Brown silt, soft, wet
10	2	24	7		PT	PEAT: Brown meadow mat
	2		18	SB14/10-10.5	SP	SAND: Brown silty sand w/ meadow mat, strong organic odor
11	4		27	SB14/10.5-11		SAND: Gray, some silt w/ meadow mat, strong organic odor
12						
13						
14						
	5		ND			SAND: Gray fine to medium sand, medium dense, wet
15	11	24	ND	SB14/14.3-14.8		SAND: Gray, medium to coarse, trace gravel, dense, wet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-14

304953

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-14

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	16		ND	SB14/14.8-15.3		
16	19		ND			
17						
18						
19						
	16		ND			SAND: Gray, fine sand, medium dense, wet
20	18	19	ND	SB14/19.3-19.8		Gray w/ slight red/purple color, coarse sand, some rounded gravels, dense, wet
	31		ND	SB14/19.8-20.3		
21	37		ND		ML	SILT: Light brown silt, trace clay, trace small gravels, very dense, moist to dry
22						
23						
24						
	12		ND			
25	18	24	ND	SB14/24.3-24.8		SILT: Red/brown clayey silt, dense, wet
	24		ND	SB14/24.8-25.3	CL	CLAY: Red/brown clay, stiff, varved, dry
26	32		ND			Dark gray to brown clay, stiff
27						
28						
29						
	6		ND			
30	8	24	ND			CLAY: Red/brown to brown varved clay with lenses of silt, stiff, dry
	9		ND			
31	11		ND			
32						
33						
34						
	14		ND			
35	45	12	ND		GM	Gravels, diabase, weathered bedrock
	50/3					Bedrock at 35'
36						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-14

304954

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-15

Elevation: 8.4

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/01/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 5'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 41'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	46		ND			
1	50/5	10	ND	SB15/0.6-1.1		FILL: Black to brown silt and gravel, dense, moist to wet
						Light brown to tan sand and large gravels, dry
2						
3						
4						
	2		ND			
5	5	4	ND		▽	
	11			SB15/5.1-5.6		Silty cinders and ash, medium dense, wet
6						Black stained silt in tip
7						
8						
9						
	1		ND			Black to brown sandy gravel, dense, wet
10	1	24	4000	SB15/9.6-10.1	PT	SILT: Dark brown to black silt w/ meadow mat, very strong organic odor
	1		ND	SB15/10.1-10.6		Brown, silty meadow mat
11	4		ND		ML	Dark gray silty sand w/ meadow mat
12						
13						
14						
	7		ND			
15	19	24	ND	SB15/14.6-15.1		
				SB15/15.1-15.6		

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-15

304955

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **SB-15**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	31		ND			
16	28		ND		SP	SAND: Gray fine sand, dense, wet
17						
18						
19						
	12		ND			SAND: Gray, fine sand, medium dense to dense
20	24	17	ND	SB15/19.6-20.1		Gray, coarse to medium sand, medium dense, wet
	50/5		ND	SB15/20.1-20.6		Yellow (bright) mediumium to coarse sand, medium dense, wet
21			ND		ML	SILT: Light brown to light red/brown silt, some small angular gravels, dense, dry
22						
23						
24						
	6		ND			
25	14	24	ND	SB15/24.6-25.1		
	17		ND	SB15/25.1-25.6	CL	CLAY: Red/brown to brown clay, very dense, varved, dry
26	21		ND			
27						
28						
29						
	5		ND			
30	8	24	ND	SB15/29.6-30.1		
	9		ND	SB15/30.1-30.6		
31	8		ND			
32						
33						
34						
	14		ND		ML	SILT: Red/brown clayey silt, some gravels, dense, wet
35	18	20	ND	SB15/34.5-35		Brown to dark gray sandy gravel, some large gravels and coarse sand, dense, wet
	21		ND			
36	18		ND			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-15

304956

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-15

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
37						
38						
39						
	39		ND			
40	42	24	ND			
	44		ND		SP	SAND: Red/brown fine sand, wet
41	50/5		ND		GM	Black/green gravel, some large
42						Bedrock (diabase) at 41 feet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-15

304957

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-16

Elevation: 8.0'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/29/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 4'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 33'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
	14	16	NA	SB16/1.0-1.5		Black asphalt and gravel SILT: Brown, black, and yellow silt and gravel, medium dense, moist
2	20					
	24					
3	50					Brown silt, some sand, moist
4						
	2	12	NA	SB16/4.2-4.7 SB16/4.7-5.2	▽	FILL: Brown to gray cinders and ash w/ some purple silt and gravels, medium dense, wet
5	3					SILT: Purple silt, medium dense, wet
	12					
6	26					Dark gray silt, medium dense, wet, sheen at 12", wood in tip
7						
8						
9						
	6	24	NA	SB16/9.2-9.7 SB16/9.7-10.2	PT	PEAT: Black and purple gravel and meadow mat w/ product
10	5					
	8					Dark brown, silty, dense meadow mat
11	11					
12						
13						
14						
	12	15	NA	SB16/14.2-14.7 SB16/14.7-15.2	SM	SAND: Gray silty sand, some meadow mat, organics, dense, wet
15	4					

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-16

304958

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-16

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	3					
16	4					
17						
18						
19						
	14		NA	SB16/19.2-19.7		
20	8	16		SB16/19.7-20.2	SP	SAND: Gray, fine to medium sand, medium dense to dense, wet
	15				SM	SILT: Gray sandy silt, red/brown mottles throughout, dense to very dense, wet
21	19					
22						
23						
24						
	8		NA	SB16/24.2-24.7		
25	11	24		SB16/24.7-25.2		
	16				ML	SILT: Gray to brown silt, very dense, moist, some to little clay
26	20					
27						
28						
29						
	10		NA	SB16/29.2-29.6		
30	8	20		SB16/29.6-30.1	CL	CLAY: Gray/red-brown, very dense, stiff, varved clay
	17					
31	14					
	9		NA			
32	9	24				
	10					CLAY: Red/brown clay, stiff, dry
33	16			SB16/32.5-33		
						End of boring at 33 feet
34						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-16

304959

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-17

Elevation: 7.5'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED:

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 1'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 25'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	12		ND		▽	Fill: Black, gravelly silt, dense, wet
1	24	20	ND	SB17/1.5-2.0		
	19		ND			Bright purple silt, some sand and gravel, dense, wet
2	19		ND			
3						
4						
	8		ND			
5	9	6	ND	SB17/5.2-5.7		
	11					
6	11					
7						
8						
	10		ND			
9	9	22	7000	SB17/8.7-9.2		
	11		ND	SB17/9.2-9.7		
10	7		ND			
11						
12						
13						
	12		ND			
14	5	12	ND	SB17/13.7-14.2	SP	SAND: Dark gray to brown fine sand, medium dense, wet
	6			SB17/14.2-14.7		
15	8					

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-17

304960

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **SB-17**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
	7		20			SAND: Brown to purplish fine to medium sand, sheen, medium dense, wet
19	6	15	495	SB17/18.7-19.2		Thick red product on gravel
	7		100	SB17/19.2-19.7		Gray sand w/ sheen
20	7		ND			SAND: Black sand w/ sheen and product
21						
22						
23						
	8		ND			
24	10	24	ND	SB17/23.7-24.2		
	13		ND	SB17/24.2-24.7	ML	SILT: Gray, clayey silt, moist to dry, dense
25	16		ND			
26						End of boring at 25 feet
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-17

304961

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-18

Elevation: 13.5

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/09/02**

DRILLER: **S. Yotcoski**

LOGGED BY: **C. Watt**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8'

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 55'

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8					▽	
9						
	3		14.1			FILL: Loose fine gravel, some rounded pebbles, staining and odors present, saturated
10	3	17	3.3	SB(18)/9.2-9.7		
	3		2.2			Black, fine sand, little silt, staining, strong odors, saturated
11	3		0.7			
12						
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-18

304962

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **SB-18**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	6		21			SAND: Black, fine sand, trace silt, gravel, coal, moist, loose, odor
16	9	24	212	SB(18)/15.5-16		Black silt w/ organics (roots), slight odor, moist
	7		45.6			PEAT: Brown peat, roots, moist
17	11		10.9			SAND: Brown, well sorted, fine sand w/ organics mixed throughout, slight odor, very moist
	9		6.6			
18	6	17	5.8			SAND: Brown, fine sand, well sorted, loose.
	10		9.7	SB(18)/18-18.5		
19	8		12.4	SB(18)/18.5-19		
20						
21						
22						
23						
	10		2.5	SB(18)/23-23.5		SAND: Gray/brown fine sand, well sorted, trace silt, no staining, slight odor, moist to very moist
24	9	24	8.6	SB(18)/23.5-24		
	10		5.5			
25	10		7.1			
26						
27						
	11		1.6			CLAY: Gray clay, trace fine sand, dense, red and white fine sandstone fragmentss in bottom 1' of spoon, slight odor
28	11	22	0.6			
	12		2.8	SB(18)/28-28.5		
29	10		3.6	SB(18)/28.5-29		
30						
31						
32						
33						
	16		0.8	SB(18)/33-33.5		CLAY: Red/brown to brown to tan/gray banded CLAY, varved, w/ very fine sand, slightly stiff, no staining or odors, slightly moist
34	9	24	1.2	SB(18)/33.5-34		
	8		0.7			
35	8		0.4			
	12		ND			CLAY: Red/brown to brown, gray, CLAY, varved w/ very fine sand, slightly moist
36	14	24	ND			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-18

304963

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-18

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	14		ND			
37	12		ND			
	10		ND			
38	10	24	ND			
	11		ND	SB(18)/38-38.5		
39	11		ND	SB(18)/38.5-39		
	7		ND			Clay: small sandstone fragment in nost of spoon
40	9	24	0.8			
	13		ND			
41	20		ND			
42						
43						
	16		ND	SB(18)/43-43.5		CLAY: Red/brown, CLAY, soft
44	19	20	ND	SB(18)/43.5-44		SAND: Red/brown, loose, fine SAND, fine red/brown and green sandstone
	20		ND			CLAY: Red/brown, CLAY, varved w/ red/brown fine sand
45	24		ND			
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						Bedrock (sandstone) at 55 feet
57						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-19

Elevation: 13.4

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/08/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:**

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	6		5	SB19/10.2-10.7	ML	SILT: Dark brown to black sandy silt, little gravel, trace organics, trace sheen, medium dense, wet
11	5	8	3			
	44		1		SP	Light brown, fine to medium sand, medium dense, wet
12			1			
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-19

304965

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-19

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	10		4			
16	9	24	4	SB19/15.6-16.1	SP	Light brown to tan fine to medium sand, wet, medium dense
	8		4			
17	8		2			Gray fine to mediumi sand, wet, medium dense
18						
19						
20						
	6		ND			
21	7	20	3			Lens of black, very fine sand, some silt from 14-16"
	8		5		SM	Dark gray to black very fine, silty SAND, medium dense, wet
22	5		7.3	SB(19)/21.5-22		
23						
24						
25						
	15		50			Gray, medium fine sand, wet, sheen and product odor
26	17	24	30	SB(19)/25.6-26.1		Black, shiny-silver sheen, product saturated medium to fine sand
	25		170	SB(19)/26.1-26.6		Brown clay, stained w/ trace product, dense, dry to moist
27	30		4			Brown to dark gray clay, medium dense, dry, trace to no product or sheen
28						
29						
30						
	16		ND			Red/brown to light brown clay, very stiff, dry
31	11	24	ND	SB(19)/30.6-31.1		
	11		ND	SB(19)/31.1-31.6		
32	14		ND			
33						
34						
35						
	20		ND			Red/brown to dark gray glay, some areas silty, very dense, dry
36	24	24	ND	SB(19)/35.6-36.1		

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-19

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	19		ND	SB(19)/36.1-36.6		
37	19		ND			
	16		ND			
38	14	24	ND			Light brown to tan to red/brown clay, trace silt @ 20-24"
	13		ND			
39	19		ND			
	28		ND			
40	40	24	ND			Red/brown silty CLAY, very dense, dry
	37		ND	SB(19)/40-40.5		Red/brown gravelly SAND, some silt, medium to coarse, weathered
41	46		ND	SB(19)/40.5-41		bedrock
						Bedrock (sandstone) at 41 feet
42						
43						
44						
45						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-19

304967

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-20

Elevation: 13.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/05/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 10 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 40.4 feet

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 7.8'
2						
3						
4						
5						
6						
7						
8						
9	7 11 15	5	7 31 17			FILL: Brown SILT, medium dense, trace gravel, black stained wood in tip, some tar-like substance with sheen.
10	14		--		▽	
11						
12						
13						
14						
15						

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-20

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16	16	24	17	SB(20)/15.4-15.9'	SW	SAND: Dark gray, fine to medium, medium dense, sheen
	14		21			
17	14		5			
	14		2	SB(20)/16.9-17.4'		
18						
19						
20						
21						
22						
23						
	14	24	5	SB(20)/22.9-23.4'	SW	SAND: Brown, medium to fine, medium dense, wet. Some sheen.
24	13		3			
	13		2			
25	14		1			
26						
27	14	24	4	SB(20)/26.4-26.9'	SW	SAND: Red/brown to brown, fine to medium.
	14		1	SB(20)/26.9-27.4'		
28	7		1			
	9		1		ML	SILT: Red/Brown to brown clayey-SILT.
29						
30						
31						
32	9	24	ND	SB(20)/31.4-31.9'	CL	CLAY: Light brown to dark gray, very dense, dry.
	13		ND	SB(20)/31.9-32.4'		
33	14		ND			
	23		ND			
34						
35						
36						

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-20

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
					ML	SILT: Red/brown, dry.
37	40	7	ND	SB(20)/36.9-37.4'		
	30		|			
38	29		|			
	50/3"		ND			
39	50	7	ND	SB(20)/38.4-38.9'	SW	SAND: Red/brown coarse, with gravel.
	50/1"		|			
40			|			
			ND			
41						Bedrock (basalt) at 40'

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-21

Elevation: 8.3

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 17'

LOGGED BY: **J. Brown**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 4'
1						
2						
3						
4						
	8		280			
5	3	13	195			FILL: Dark gray, some yellow, trace purple, silty gravel, wet, dense
	4		120			White, soft gypsum, wet
6	7		590	SB(21)/5.5-6.0		Black to gray silty gravel, some yellow, some sand
7						
8					▽	
9						
10						
	1		ND			SAND and SILT: Dark brown sandy silt w/ organics, wet, med dense
11	1	18	ND			
	1		ND	SB(21)/11-11.5		SAND: Gray fine sand, purple tint, med dense, wet
12	1		ND			Gray fine sand, med dense, wet
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-21

304971

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-21

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	25		ND			
16	100/2	18	ND	SB(21)/16-16.5		SAND: Gray fine sand, dry, very dense
17						White to yellow sand and sandstone frags
						Bedrock (sandstone) at 17'
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-21

304972

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-22

Elevation: 12.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/03/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 28 feet

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 2'
1						
2						
	16		ND			FILL: Black-stained SILT, some gravel, moist dense.
3	20	16	|			
	30		|			
4	50/1"		ND	SB(22)/3.4-3.9'		
	50/2"		--			
5		0	--			
			--			
6			--			
	16		ND			FILL: Black SILT, some gravel.
7	30	24	|	SB(22)/6.8-7.3'		FILL: Dark purple, silty GRAVEL, medium dense.
	20		|			FILL: Black SILT, white material throughout, brown/gray coarse sandy gravel, wet.
8	19		ND		▽	
	9		--			
9	11	0	--			
	7		--			
10	9		--			
	13		ND		PT	PEAT: Dark brown silty meadow mat, dense, wet.
11	14	10	|			
	10		|			
12	10		ND			
13						
14						
15						
					SW	SAND: Dark brown gray, fine to medium, with trace organics, dense, wet.

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-22

304973

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-22

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	9		ND		SW	SAND: Gray, fine, wet, dense
16	11	24	|	SB(22)/15.9-16.4'		
	12		|			
17	12		ND			
18						
19						
20						
21						
22						
	17		ND		SM	SAND: Light brown, very fine, silty, dense, trace small gravel.
23	15	24	|			
	15		|			
24	16		ND	SB(22)/23.4-23.9'	SM	SAND: Red/brown, very fine, silty.
25						
26						
	30		ND			
27	31	24	|			
	50		|	SB(22)/26.9-27.4'		
28	50/5"		ND		SW	SAND: red/brown, coarse to fine.
						Bedrock at 28'

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-23

Elevation: 12.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/03/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 28 feet

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2'
2						
3	16	12	ND	SB(23)/2.4-2.9'		FILL: Brown to red/brown SILT, some gravel, wood fragments.
	36		ND			
	50/3"		1			
4			ND			
5	41	7	ND	SB(23)/4.4-4.9'		Same as above, dry.
	50/2"		ND			
			--			
6			--			
7	50/5"	<2	ND			FILL: Loose, dry GRAVEL.
			--			
			--			
8			--			
9	16	9	ND		▽	FILL: Brown to dark brown, gravelly-SILT with brown shaley fragments and white soft, sticky material, wet, sheen present.
	20		ND			
	12		ND			
10	15		--			
11	14	18	3			Black stained, heavy sheen, possible product.
	13		33		PT	PEAT: Brown, silty.
	13		21			
12	10		4			
13	7	18	3			
	8		6			
	8		11		SW	SAND: brown to dark gray fine-grained, with organics, dense, wet.
14	9		9			
15	13	20	2			
	10		2	SB(23)/14.4-14.9'		
	10		ND			

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-23

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
					SW	SAND: Gray to light pink, fine, dense, wet.
16	12		ND			
	4		ND			
17	7	10	ND			
	6		--			
18	5		--			
19						
20						
21						
	14		ND		SM	SAND: Dark gray, silty, some small gravel, wet, dense.
22	17	21	|			
	20		|	SB(23)/21.9-22.4'	ML	SILT: light brown to red/brown, clayey, some mottling very dense, dry.
23	20		ND			
24						
25						
26						
	40		ND		ML	SILT: Red/brown, clayey, with cobbles and gravel, wet, medium dense.
27	50/5"	24	|			
			|	SB(23)/26.9-27.4'		
28			ND		SM	SAND: red/brown, coarse, some gravel, basalt in tip.
						Bedrock (basalt) at 28 feet

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-24

Elevation: 14.5'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/06/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 26 feet

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 2'
2						
3	16 50/1" -- --	6	ND ND -- --			FILL: Loose brown fine SAND, fine to coarse gravel, brick and coal fragments, dry.
4						
5	50/3" -- -- --	3	ND -- -- --			FILL: Loose gray/brown fine SAND, little silt, fine to coarse gravel, large gravel at tip of spoon.
6						
7	50/3" -- -- --	3	ND -- -- --	SB(24)/6.1-6.6'		FILL: Loose dark brown fine SAND, some silt, fine to coarse gravel, wood debris.
8					▽	
9	16 50/4" -- --	5	ND ND -- --			FILL: Black fine SAND, fine to coarse gravel, wood debris, staining, odors and sheen present.
10						
11						
12						
13						
14						
15	11 9	24	20 6	SB(24)/14.4-14.9'	OL	SILT: Brown organic moist.

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-24

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
						Same as above
16	9	24	9.8			
	8		2		SP	SAND: Gray, well sorted, fine, some silt, roots present throughout, very moist.
17						
18						
19						
20						
	40		ND		SM	SAND: Gray brown to green fine sand, little silt, very moist, fine sandstone fragments.
21	36	18	|			
	49		|			
22	47		ND			
23						
24	45		ND		CL	CLAY: Red/brown, varved, soft with fine sand.
	56	19	|			
25	49		|			
	75		ND			
26						Weathered sandstone and red/brown fine sand.
						Bedrock (sandstone) at 26'
27						
28						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-25/TP-1

Elevation: 12.2'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/06/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 13.7 feet

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 1'
2	24 29 30	6	ND ND --	SB(25)/1.2-1.7'		FILL: Gray SILT and fine sand, fine to coarse gravel.
3	19		--			
4		14	ND ND --	SB(25)/3.2-3.7'		
5			--			
6		15	ND ND ND			
7			--		▽	FILL: Black fine SAND, little silt, fine gravel, wood debris, odor.
8		6	ND 2 --	TP-1/7-7.5		FILL: Gray brown SILT, little fine sand and fine gravel, slightly moist
9			--			
10		8	ND ND --			
11			--	TP-1/10-10.5	PT	PEAT: brown/black with organics
12		11	1.8 0.8 --			
13			--			
14						End of boring at 13.7'
15						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-26

Elevation: 12.6'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/04/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 10 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 24 feet

LOGGED BY: **Chris Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 1.6'
						FILL: Brown, gravelly SILT, some little black staining, trace medium sand.
2	21		ND	SB(26)/1.6-2.1'		
	36	14	|			
3	31		|			
	50/5"		ND			FILL: Brown sandy-SILT, brick and wood fragments.
4	16		ND			
	21	14	|			
5	40		|		FILL: Black to dark brown gravelly SILT
	50/1"		ND	SB(26)/5.1-5.6'		
6						
7						
8						
9						
10					▽	
11	11		72	SB(26)/10.6-11.1'		Dark purple coarse sandy GRAVEL, medium dense.
	7	24	144	SB(26)/11.1'-11.5'	ML	SILT: Dark brown to black, with organics, trace sand, strong odor.
12	9		33			
	5		48			
13						
14						
15						

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-26

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
21						
22						
	21		ND		ML	SILT: brown with trace gravel, wet.
23	33	6	|			
	50/5"		ND			
24			--			
						Bedrock (white sandstone) at 24'

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-27

Elevation: 13.6'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/06/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8.5 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 16.5 feet

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1	30	12	ND			FILL: Fine to coarse GRAVEL, brown fine sand, some silt, brick and wood fragments.
	41					
2	50/2"					
	--					
3	40	10		SB(27)/2.4-2.9'		
	50/5"					
4	--					
	--					
5	28	11		SB(27)/4.4-4.9'		FILL: Brown fine SAND and silt, brick fragments some black staining.
	31					
6	50/2					
	--					
7	31	13				FILL: Brown SILT and fine sand, fine to coarse gravel, wood debris, coal fragments.
	50/4					
8	--					
	--				▽	
9	21	4				FILL: Fine brown SAND, some silt, gravel, wood debris.
	15					
10	17					
	20					
11	--	16				FILL: Gray brown fine SAND, some silt, wood debris, gypsum throughout,
	--					
12	--					
	--		ND			
13						
14						
15	29		ND	SB(27)/14.4-14.9'	ML	SILT: Red-brown/green, some fine sand.
	36	22	ND			

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-27

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16	40	22	ND			
	63		ND		ML	SILT: Red-brown/green, some fine sand.
						Bedrock (white sandstone) at 16.5 feet.

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-28

Elevation: 14.7

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CTE Drilling Inc.

DATE DRILLED: **4/23/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 22 feet

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
	13		ND			Fill: Dark brown sandy silt, gravel, medium dense, dry
4	13	7				
	37			SB28/4.5-5		
5	43					
6						
7						
8					▽	
	18		ND	SB28/8-8.5		Fill: Gravel and black silt, medium dense
9	24	18	ND			Black to purple Silty Sand, trace gravel, medium dense
	37		ND			
10	16					Black/dark gray gravel and cinders
11						
12						
	18		ND		ML	SILT: Black gravelly silt with meadow mat organics, organic odor, wet, medium dense
13	7	7		SB28/12.6-13.1		
	3					
14	3					
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-28

304984

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-28

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
	5		ND		SP	SAND: Gray fine sand, medium dense to dense, wet
21	7	24	ND	SB28/21.1-21.6		
	33		ND			Gray to red/brown coarse sand, dense
22	31		ND		ML	SILT: Lite brown silt, some gravel, medium dense, wet
						End of Boring at 22 feet
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-28

304985

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-29

Elevation: 16.2'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/10/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 13'

LOGGED BY: **J. Fopiano**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 1'
2	8	15	ND	SB(29)/1.5-2		FILL: 0-8" Light brown Sandy SILT with some to little gravels, very dense, dry
	11		ND			
	16		ND			FILL: 8-12" Dark grey to brown SILT, medium dense to dense, some mottles, trace gravel. 12-15" SAA with orange rusty colored SILT.
3	50/0"		--			
4	20	NR	--			Boulder cobble in tip
	50/5"		--			
5	---		--			
	---		--			
6	13	20	ND	SB(29)/5.6-6.1		FILL: 0-7" Black SILT some sand, and wood debris, some gravel, dry to trace moisture, dense
	18		ND			
	22		ND		▽	
7	23		ND		SP	SAND: 17-20" Grey, medium to fine, ash like, some gravel
8	21	6	ND	SB(29)/7.6-8.1	ML	SILT: Red/orange, gravel, moist, dense
	33		--			
	50/4"		--			
9	--		--			
10						
11						
12						
13	--	2	ND	SB(29)/12.5-13		
	--		ND			SILT: Brown and white/light pink sand
14						Bedrock (sandstone) at 13' bgs
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-29

304986

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-30

Elevation: 16.2'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/10/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 11'

LOGGED BY: **J. Fopiano**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 1'
1						
	7		ND			FILL: Light brown to brown Sandy SILT, dry, medium dense
2	11	18	ND	SB30/1.5-2		
	9		ND			FILL: Black SILT, some clay, trace debris, trace moisture
3	7		--			
	10		ND	SB30/3-3.5		FILL: Black SILT, some clay, trace moisture
4	10	12	ND			
	50/4"		--			
5			--			
	16		ND			
6	20	4	--	SB30/5.6-6.1		
	50/5"		--			Fill: Dark gray to black gravel, some silt, medium dense, wet
7			--		▽	
	20		ND			FILL: Black medium angular GRAVEL, some silt, wet
8	31	14	ND			
	29		ND	SB30/8.1-8.6		
9	50/2"		--			
10						
11						
12						Refusal at 11' bg. Black to dark blue angular grinds in bit cuttings.
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-30

304987

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-31

Elevation: 16.9

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/06/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15.5 feet

LOGGED BY: **Rose Tripodi**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3	12 19 23 50/1"	8	ND ND	SB31/2-2.5'		FILL: Loose brown fine SAND, little silt, fine gravel, dry.
4						
5	39 50/5" -- --	8	ND 0.8	SB31/4-4.5'		Same as above with wood debris and coal fragments
6						
7						
8					▽	
9	18 56 40 31	4	ND ND			SAND: Orange-brown, clayey, wet no staining or odors.
10						
11						
12	16 9 11 14	13	0.2 0.3 ND	SB31/11.6-12.1'		SAND: Orange-brown, fine, with fine to coarse gravel, little silt.
13						
14	33 46 50/3"	15	ND ND ND		ML	SILT: Yellow-brown, some fine sand, blue gray shale fragments throughout.
15						
						Bedrock (sandstone) at 15'

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-31

304988

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-32

Elevation: 14.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/10/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9.5'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 20'

LOGGED BY: **J. Fopiano**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 1'
1						
	6		ND	SB32/1.5-2.0		FILL: Light brown to red-brown Sandy SILT, medium dense, dry, trace gavel
2	11	18	ND			
	9		ND			
3	7		--			
	9		ND	SB32/3-3.5		FILL: Brown Sandy SILT, medium dense, dry, schist mica at 3' 7" to 4'
4	15	12	ND			
	50/5"		ND			
5			--			
6						
7						
8						
9						
	7		ND		▽	FILL: Dry, brown silty gravel
10	6	8	ND	SB32/9.5-10		SAND: Brown to redbrown, fine to medium, wet, medium dense
	3		--			
11	6		--			
12						
13						
	8		ND			
14	10	12	ND	SB3213.5-14		
	10		ND	SB3214-14.5		SAND: Rust to grey colored, fine to medium , wet
15	10		ND			SAND: Redbrown, fine to medium, wet, medium dense

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-32

304989

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-32

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
	15		ND			
19	19	22	ND	SB32/18.5-19		
	20		ND	SB32/19-19.5		SILT: Redbrown, very fine, dense to very dense
20	41		ND			SAND: Redbrown coarse, medium dense
21						Bedrock (weathered white sandstone) at 20' bgs
22						
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-32

304990

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-33

Elevation: 11.5

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/11/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 29 feet

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
	20		ND			*Fill: Black to brown gravely SILT, some gravel, trace wood and brick, med-dense, dry.*
10	21	15				
	18					
11	20		ND			
	12		ND			
12	20	20				
	16					
13	17		ND	SB33/12.5-13		Fill: Purple/red Silt, some sand and gravel, wet, yellow sulfer like sand
	17		ND	SB33/13-13.5		
14	17	24				Fill: debris
	14					
15	17		ND			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-33

304991

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-33

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
	19		ND	SB33/20-20.5	PT	PEAT: includes peat and meadowmat
21	17	24			SP	SAND: Grey light brown sand, wet, medium dense
	17					
22	12		ND			
23						
24						
25						
26						
27						
	28		ND		ML	SILT: Light brown silt, trace gravel, very dense, dry
28	40	24				
	47					
29	46		ND			
						Bedrock (diabase) at 29 feet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-33

304992

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-34

Elevation: 10.8'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/11/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 9'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 18'

LOGGED BY: **J. Fopiano**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 7'
2						
3						
4						
5						
6						
7						
	7		5.8			FILL: Coarse black SAND on wood
8	11	2	--			
	7		--			
9	7		--		▽	
	6		4			FILL: Coarse SAND and cinders, trace/little black gravel, some/little purple, yellow/green and grey colors throughout, wet, soft to med dense
10	21	15	4			
	30		17	SB(34)/10.3-10.8		
11	14		5			
	11		3			
12	19	23	3			SAND: Grey, fine, medium dense, wet, some/little organics
	17		1			
13	16		ND			
	16		ND			
14	21	17	ND			
	17		ND			
15	17		--			
			--			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34

304993

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-34

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
			--			
16			--			
		24	ND			SILT: Redbrown to light brown, little fine Sand, medium dense, wet
17			ND			
			ND			
18			ND	SB(34)/17.5-18		Bedrock (diabase) at 18 feet
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34

304994

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-34A

Elevation:

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/02/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 10'
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	0		NA			
11	0			SB34A/10.3-10.8		
	9					Black to gray cinders, dense to medium dense, wet, some debris
12	8	24				SILT: Brown silt, some wood, sheen
	8			SB34A/12-12.5	ML	SAND: Dark gray sand, some meadow mat, organics
13	9					Gray to blue/gray fine sand, some to little silt, little meadow mat
	9		NA		SP	SAND: Gray to light brown fine sand, dense, wet
14	10	24				Black stained sand, HC odor, sheen
	8			SB34A/14-14.5		SAND: Dark gray, fine to medium sand, dense, wet
15	9					Red/brown silt w/ some angular gravels, dense, wet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34A

304995

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-34B

Elevation:

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/02/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	2		NA			
11	2	4		SB34B/10.3-10.8		
	3					
12	5					FILL: Gray, silty gravel and cinders, medium dense, wet
	4		NA	SB34B/12-12.5		
13	6					
	8	6				
14	13					
				SB34B/14.14.5	ML	SILT: Gray silt, medium dense, wet
15						SILT: Brown/ orange, silt, dense, wet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34B

304996

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-34C

Elevation:

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/02/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
	1		NA	SB34C/11.2-11.7		
12	1	16			PT	Black, silty meadow mat
	1					Gray, fine sand w/ some to little meadow mat
13	1				ML	Light brown sandy silt, some gravel
	10		NA	SB34C/12.9-13.4		
14	10	24				
	10					
15	10					
				SB34C/14.9-15.9		

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34C

304997

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-34D

Elevation:

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/02/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 15'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8					▽	
9						
10						
11			NA	SB34D/10.3-10.8		Black to gray cinders and gravel, medium dense, wet
12	1	24			PT	Black to dark brown meadow mat, medium dense
	1			SB34D/12-12.5		
13					ML	SILT: Gray to red/brown, silty sand w/ meadow mat, medium dense
14	7	24	NA			SAND: Red/brown, fine to medium sand, tr meadow mat, tr gravel, medium dense, wet
	9					
	6			SB34D/14-14.5	SP	SAA, brown to orange
15	11					Brown silt w/ gravel, dense, wet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-34D

304998

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-35

Elevation: 11.5

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/11/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7.0'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 17'

LOGGED BY: **J. Fopiano**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						Drilled to 5.0'
2						
3						
4						
5						
6	50/2" -- -- --	2	ND			FILL: Wet Gravel and brown SILT (Note:soil wet from dust suppression water)
7					▽	
8	1 1 1	21	40 70		PT	SILT: Dark brown to black with a lot of meadow mat organics, very bad organic smell at 10", 1" lens of coarse pebbles resembling white bentonite or gypsum, wet
9	2 7/10"		106			
10						
11	35 44 13/15"	24	ND ND	SB35/10-10.5 SB35/11-11.5	SP ML	White, fine Sand/Silt Brown to dark grey SILT and meadow mat, some fine to medium, soft to medium dense sand, wet, odor
12						
13					SP	SAND: Dark grey, fine to medium, some/little organics, trace gravel, deep purple colorations. Light brown, fine, medium dense, wet
14	16 21 30	24				
15	50/4				GM	Grey to blue gravel, some SAND, wet

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-35

304999

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-35

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16				SB35/16-16.5		
17						Bedrock (diabase) at 17' bgs
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-36

Elevation: 12.1

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **04/12/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8'

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 22'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2	16	12	ND	SB36/1.5-2		FILL: Brown SILT, little to some Sand, trace gravel, medium dense, dry.
	20		ND			
3	50/2"		ND			
4	19	19	7	SB36/3.5-4		Yellow/green SAND, some silt, dry, dense, dry.
	26		6			Brown/dark brown SILT, dense, dry.
5	30		6	SB36/4.5-5		Purple SILT, dense, dry.
	50/1"		7			Red brown to dark brown, some black sandy SILT, little to some cinders/ash, dense, dry
6						
	11	21	ND			
7	19		ND	SB36/6.6-7.1		Purple SILT, dense, dry.
	10		ND		▽	Tan/Lite brown gravelly SAND, very dense, moist.
8	10		ND		SP	SAND: Light brown, fine, medium dense, wet.
9						
10						
11						
12						
	17	12	ND			
13	16		ND	SB36/12.6-13.1		
	21		ND	SB36/13.1-13.6		
14	20		ND			
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-36

305001

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-36

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
	33		ND			
21	35	24	ND			Red/brown very fine SAND, some silt, dense, wet.
	50/2"		ND		GM	Dark Green to grey weathered SAND and gravel, blue/grey gravel in tip
22			ND			
	50/2"					Bedrock at 22 feet
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-36

305002

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-37

Elevation: 12.1

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CTE Drilling Inc.

DATE DRILLED: **04/23/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 6 feet

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 22 feet

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
	9		ND			FILL: Red/brown silt and schist gravel, dry, medium dense
4	13	20	ND			
	39		ND			
5	15		15	SB37/4.5-5.0		Black silty gravel, some purple silt, little yellow sulfur sands, dense, moist
6					▽	
	16		ND			
7	13	6	ND	SB37/6.6-7.1		FILL: Yellow and purple silty sand with some gravel, wet, medium dense.
	5		ND			
8	3		12			
9						
10						
11						
12						
	8		ND			SAND: Light brown Fine sand, wet, medium dense
13	10	12	ND	SB37/12.6-13.1		
	10		ND			
14	12		ND			
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-37

305003

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-37

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
18						
19						
20						
	14		ND	SB37/20.6-21.1		SILT and SAND: Red brown silty sand, sandy silt mix some clay, trace to little angular gravel, wet, dense
21	17	24	ND			
	20		ND	SB37/21.1-21.6		
22	21		ND			
						End of Boring at 22 feet
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-37

305004

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-38

Elevation: 10.4

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/25/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:**

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 21'

LOGGED BY: **J. Brown**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drill to 10'
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
	18		NA	SB38/9.9-10.4		Brown and black cinders and ash
11	12	8				
	6					
12	6					
	3		NA		CL	
13	4	18				SAND and CLAY: Gray, fine, some gravel, wet, medium dense
	12					Yellowish, clayey sand, trace gravel, medium dense, wet
14	8			SB38/13.4-13.9		
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-38

305005

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER SB-38

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
16						
17						
	2		NA	SB38/17.1-17.6		
18	9	24			ML	SILT: Red/purple silt and gravel, wet, medium dense
	17					Dark gray silty gravel, medium dense to dense
19	35					
	100/6		NA			
20		24				
				SB38/20.1-20.6		SILT: Dark gray to blue, some small gravel and sand, very dense
21						
						Bedrock (diabase) at 21'
22						
23						
24						
25						
26						
27						
28						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

SB-39

Elevation: 17.7

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **05/03/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 12'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 13'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
	28		ND		ML	SILT: Brown silt, tr sand, medium dense, dry
10	13	20	ND			
	18		ND	SB39/10.5-11		Black coal, dense, dry
11	36		ND			SILT: Black to purple silt, some to little sand, dense, dry
	25		ND		▽	
12	20	18	ND			
	18		ND	SB39/12.12.5		SILT: Black, some purple silt, some to little gravel and sand, tr yellow, wet
13	12		ND			
						End of boring at 13 feet
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/SB-39

305007

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

U-15

Elevation: 15.3

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** Summit Drilling Co., Inc.

DATE DRILLED: **03/28/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 8 feet

DRILLER: **S. Yotcoski**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 14 feet

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
	24		ND			Fill: Brown to dark brown SILT, some sand, some gravel, medium dense, dry.
1	17	18				
	11					
2	9		ND			
	14		ND			
3	10	13				Fill: Black some to little grey Clayey SILT, dense, dry.
	17					Fill: Dark brown/brown SILT, some small angular gravel, medium dense, dry.
4	11		ND			
	21		ND			
5	33	12				
	17			U-15/5.5-6		Fill: Red/Purple Gravelly SILT, medium dense, dry.
6	20		ND			
	7		ND			Fill: Black/brown SILT, some wood and gravel, medium dense, moist.
7	9	6				
	10					
8	5		ND		▽	
	13		ND			Fill: Brown some white silty GRAVEL,trace to little medium coarse sand, wet.
9	17	12				
	17					Fill: dark grey/brown silty SAND, little to some gravel, medium dense, wet.
10	14		ND			
	10		ND	U-15/10-10.5		Fill: Lite pink/purple medium to coarse sandy SILT, trace small angular gravel, very dense, moist.
11	10	24				
	15				SP	SAND: White/yellow coarse SAND, some sub-angular gravel, fragmentss of white sandstone, moist.
12	21		ND			
	37		ND			White weathered coarse sand and sandstone fragments, moist.
13	50/1	10				
						Bedrock (sandstone) at 13 feet
14			ND			
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/U-15

305008

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

B10-0

Elevation: 8.5

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/24/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 4'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 17'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
						Drilled to 3.5'
1						
2						
3						
4	5		ND		▽	FILL: Tan to light brown gravel and SILT, wet, loose
	7	16	ND			
5	17		ND			Light purple gravel, wet, loose
	12		ND	B10-0/5.0-5.5		Dark brown to black sandy SILT, wet, med dense
6						
7						
8						
9						
10						
	7		ND		SW	SAND: Brown, fine to med, trace gravel, wet, med dense
11	10	24	ND			
	10		ND	B10-0/11-11.5		w/ purple color, some yellow
12	12		ND		SM	
						SAND and SILT: Red/brown, some gravel, wet, med dense
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B10-0

305009

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **B10-0**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	30		ND			SAND and SILT: Red/brown, med coarse, wet, med dense
16	28	12	ND		CL	SILT: Dark gray to green, gravelly, trace silt, wet, dense
	27		ND	B10-0/16-16.5	SW	SAND: White, some red/brown gravelly sand
17	50		ND			
						Bedrock at 17'
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

B11-0

Elevation: 8.4

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/24/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 4'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 22'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
2						
3						
4						
	14		ND		▽	FILL: Gray to dark gray sandy gravel (med angular), wet
5	12	9	ND			
	8					Brown, black, yellow, white, trace purple sand and gravel, some silt, wet
6	10			B11-0/5.5-6.0		
7						
8						
9						
10						
	4		ND		SP	SAND: Fine, med to dark brown sand, trace small gravels, wet, med dense
11	5	18	ND	B11-0/10.5-11		
	7		ND			Slight purple/red color
12	15					SAND: Fine gray sand, wet, med dense
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B11-0

305011

DAN RAVIV ASSOCIATES INC. 57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006	SOIL BORING LOG	BORING NUMBER B11-0

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	40		ND			SAND: Dark gray to tan sand, wet, med dense.
16	50/2	6	ND			
					ML	SILT: Black, some sand, soft.
17				B11-0/16.5-17		
18						
19						
20						
	42		ND		ML/	
21	48	11	ND		SC	SAND and SILT: Brown to dark gray fine sandy silt, some small rounded gravels, moist to wet, very dense
	50/2					
22				B11-0/21.5-22	GC	Black angular gravel, wet
						Bedrock at 22'
23						
24						
25						
26						
27						
28						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B11-0

305012

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER

B18-0

Elevation: 13.5'

PROJECT NAME: Former Celotex **LOCATION:** Edgewater, New Jersey

PROJECT NO.: 01C2084 **CONTRACTOR:** CT&E

DATE DRILLED: **04/26/02**

SAMPLER TYPE/DIA.: Split Spoon/2" **DEPTH TO WATER:** 7'

DRILLER: **W. Eichfeld**

BORING METHOD: Air Rotary **TOTAL DEPTH DRILLED:** 37.5'

LOGGED BY: **C. Watt**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
0						
1						
	17		ND	B18-0/1.0-1.5		FILL: Black to brown silt, some gravel, dense
2	17	11	ND			Mostly concrete
	23					
3	15					
4						
5						
	1		ND			
6	2	6				FILL: Brown silt, some cinder and ash
	3					
7	2			B18-0/6.5-7.0	▽	Dark purple silt, some gravel, med dense, wet
8						
9						
10						
	13		ND		PT	SILT: Gray silt w/ meadow mat, organics
11	7	6				
	6					
12	3			B18-0/11.5-12		
13						
14						
15						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B18-0

305013

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **B18-0**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	7		ND	B18-0/15-15.5	SP	
16	12	3				SAND: Gray fine sand, wet, orange water rundown from above layers
	12					
17	15					
18						
19						
20						
	7		1	B18-0/20-20.5		
21	8	14	0.5		ML	SILT: Dark tan silt, little to some fine sand, some gray mottling, wet, med dense to dense
	14		0.5			
22	16		ND			
23						
24						
25						
	7		5	B18-0/25-25.5	CL	SILT and CLAY: Red-brown to tan clayey silt, dry, dense, varved
26	14	23	2			
	17		2			
27	23		1			
28						
29						
30						
	3		ND	B18-0/30-30.5		CLAY: Dark gray to brown clay, dry, med dense
31	3	14	ND			
	6		ND			
32	10		ND			
33						
34						
35						
	6		ND	B18-0/35-35.5		CLAY and SILT: Red-brown silty clay, dry to moist, med dense to dense
36	6	17	ND			

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B18-0

305014

DAN RAVIV ASSOCIATES INC.

57 E. Willow Street, Millburn, NJ 07041 (973) 564-6006

SOIL BORING LOG

BORING NUMBER **B18-0**

DEPTH FROM SURFACE (FEET)	BLOW COUNT PER 6 IN.	RECOVERY (INCHES)	PID (ppm)	SAMPLE DESIGNATION	UNIFIED	LITHOLOGIC CLASSIFICATION AND COMMENTS
	9		ND			
37	15					
	9		ND	B18-0/37-37.5	ML	SILT: Red-brown silt, some clay, moist, dense
38	14	24	ND		SP	SAND: lense of med coarse red-brown sand, moist
	40		ND		GM	GRAVEL: Large subangular gravel and red brown silt
39	43		ND			Blue black gravel
						Bedrock at 39'
40						
41						
42						

DRAI Job No. 01C2084
Arsenic RIR/Boring Logs/B18-0

305015

APPENDIX B

APPENDIX B

EWMA Test Pit Logs

ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES, INC.
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-1

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type		Soil/Geologic Description	Depth (ft.)
		0	SM	0-4'	dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0			brick and cement fragments	1
		0				
2		0				2
		0				
3		0				3
		0				
4	C3-1A	0				4
	C3-1B	0		4'-4.5'	3-inch gravel with asphalt/tar	
5		0	Fill	4.5'-10'	reddish-purple fine to coarse SAND with black product @ 7.0'	5
		0				
6		0				6
		0				
7		0				7
		0				
8		0				8
		0				
9		0				9
		25				
10	C3-1C	0				10
		0	OL	10'-14'	grey SILT with trace meadow mat	
11		0				11
		0				
12		0				12
		0				
13		0				13
		0				
14	C3-1D	0				14
15				Pit Ends @ 14.0'		15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						

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PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-2

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 12'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-2A	0			6
		0	CL	6'-8' grayish CLAY fill, trace cobble, brick, cement, trace black tar	
7		0			7
		0			
8	C3-2B	0			8
		0	CL	8'-10' greyish CLAY and blackish-purple silt and medium sand fill	
9		0			9
		0			
10	C3-2C	0			10
		0	OL	10'-12' grey SILT with trace meadow mat	
11		0			11
		0			
12	C3-2D	0			12
13				Pit Ends @ 12.0'	13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for: C3-3

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 15'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-3A	0			6
		0	SP	6'-8' black medium to coarse SAND and SILT fill, some cobbles, trace grey clay and black staining	
7		0			7
		0			
8	C3-3B	0			8
		0	OL	8'-15' grey SILT with trace meadow mat	
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12		0			12
		0			
13		0			13
		0			
14		0			14
		0			
15	C3-3C	0			15
16				Pit Ends @ 15.0'	16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-4

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 15'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-4A	0			6
		0	SP	6'-7' medium to coarse black SAND, trace black staining	
7	C3-4B	0			7
		0	Fill	7'-10' reddish-purple SAND with some black staining	
8		0			8
		0			
9		0			9
		0			
10	C3-4C	0			10
		0	OL	10'-15' grey SILT with trace meadow mat	
11		0			11
		0			
12		0			12
		0			
13		0			13
		0			
14		0			14
		0			
15	C3-4D	0			15
16				Pit Ends @ 15.0'	16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for: C3-5

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 16'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-5A	0			6
		0	SP	6'-8' black medium to coarse SAND, some fine gravel	
7		0			7
		0			
8	C3-5B	0			8
		0	SP	8'-16' dark reddish-purple fine to coarse SAND	
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12		0			12
		0			
13		0			13
		0			
14		0			14
		0			
15	C3-5C	0			15
		0			
16	C3-5D	0			16
17				Pit Ends @ 16.0'	17
18					18
19					19
20					20
21					21
22					22
23					23
24					

ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES, INC.
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Test Pit Excavation Log for: C3-6

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-6A	0			6
		0	SP	6'-8' black medium to coarse SAND, some fine gravel	
7		0			7
		0			
8	C3-6B	0			8
		0	SP	8'-12' reddish-purple fine to coarse SAND, trace grey clay	
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	C3-6C	0			12
		0	OL	12'-14' grey SILT with trace meadow mat	
13		0			13
		0			
14	C3-6D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for: C3-7

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-7A	0			6
		0	SP	6'-8' black medium to coarse SAND, some fine gravel, trace light brown	
7		0		medium sand	7
		0			
8	C3-7B	0			8
		0	SP	8'-12" reddish-purple fine to coarse SAND	
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	C3-7C	0			12
		0	OL	12'-14' grey SILT with trace meadow mat	
13		0			13
		0			
14	C3-7D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-8

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 13'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-8A	0			6
		0	SP	6'-8' black medium to coarse SAND, some fine gravel	
7		0			7
		0			
8	C3-8B	0			8
		0	SP	8'-12 reddish-purple fine to coarse SAND	
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	C3-8C	0			12
		0	OL	12'-13' grey SILT with trace meadow mat	
13	C3-8D	0			13
14				Pit Ends @ 13.0'	14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES, INC.
PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-9

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 13'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type		Soil/Geologic Description	Depth (ft.)
		0	SM	0-6'	dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0			brick and cement fragments	1
		0				
2		0				2
		0				
3		0				3
		0				
4		0				4
		0				
5		0				5
		0				
6	C3-9A	0				6
		0	SP	6'-8'	black medium to coarse SAND, some fine gravel	
7		0				7
		0				
8	C3-9B	0				8
		0	SP	8'-12'	reddish-purple fine to coarse SAND	
9		0				9
		0				
10		0				10
		0				
11		0				11
		0				
12	C3-9C	0				12
		0	OL	12'-13'	grey SILT with trace meadow mat	
13	C3-9D	0				13
14				Pit Ends @ 13.0'		14
15						15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						

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Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: C3-10

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 8'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: N/A
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-10A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	C3-10B	0			7
		0	SP	7'-8' reddish-purple fine to coarse SAND	
8	C3-10C	0			8
9				Refusal @ 8.0', solid concrete encountered	9
10					10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for: C3-11

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 12'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-11A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	C3-11B	0			7
		0	SP	7'-12' reddish-purple fine to coarse SAND	
8		0			8
		0			
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	C3-11C	0			12
	C3-11Y	0	CL	12'-12.5' yellow-grey CLAY	
13		0	OL	12.5'-14' grey SILT with trace meadow mat	13
		0			
14	C3-11D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for: C3-12

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 13'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-5' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5	C3-12A	0			5
		0	SP	5'-6' black medium to coarse SAND, some fine gravel	
6	C3-12B	0			6
		0	SP	6'-12' purple fine to coarse SAND	
7		0			7
		0			
8		0			8
		0			
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12		0			12
	C3-12C	0	OL	12'-13' grey SILT with trace meadow mat	
13		0			13
14				Pit Ends @ 13.0'	14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 7

APPENDIX 5

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Test Pit Excavation Log for: C3-13

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 13'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
1		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	1
2					2
3					3
4					4
5					5
6	C3-13A				6
7	C3-13B	0	SP	6'-7' reddish-purple fine to coarse SAND	7
8		0	SP	7'-12' wood	8
9					9
10					10
11					11
12	C3-13C				12
13	C3-13D	0	OL	12'-13' grey SILT with trace meadow mat	13
14				Pit Ends @ 13.0'	14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 6

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APPENDIX 5

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Test Pit Excavation Log for: C3-14

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 9'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-14A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	C3-14B	0			7
		0	SP	7'-9' reddish-purple fine to coarse sand	
8		0			8
		0			
9	C3-14C	0			9
10				Refusal @ 9.0', solid concrete encountered	10
11					11
12					12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

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Test Pit Excavation Log for C3- 15

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0		brick and cement fragments	1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	C3-15A	0			6
		0	SP	6'-8' black medium to coarse SAND, some fine gravel	
7		0			7
		0			
8	C3-15B	0			8
		0	SP	8'-11' *reddish-purple fine to coarse SAND*	
9		0			9
		0			
10		0			10
		0			
11	C3-15C	0			11
		0	OL	11'-14' grey SILT with trace meadow mat	
12		0			12
		0			
13		0			13
		0			
14	C3-15D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 7

APPENDIX 5

305032

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Test Pit Excavation Log for: E3-16

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 11'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type		Soil/Geologic Description	Depth (ft.)
		0	SM	0-6'	dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0			brick and cement fragments	1
		0				
2		0				2
		0				
3		0				3
		0				
4		0				4
		0				
5		0				5
		0				
6	E3-16A	0				6
		0	SP	6'-7'	black medium to coarse SAND, some fine gravel	
7	E3-16B	0				7
		0	SP	7'-7.5'		
8		0	CL	7.5'-8'	Yellow-grey CLAY and coarse SAND	8
		0	SP	8'-11'	reddish-purple fine to coarse SAND	
9		0				9
		0				
10		0				10
		0				
11	E3-16C	0				11
12					Refusal @ 11.0', brick and concrete encountered	12
13						13
14						14
15						15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						

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Test Pit Excavation Log for: E3-17

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	E3-17A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	E3-17B	0			7
		0	SP	7'-11' reddish-purple fine to coarse SAND	
8		0			8
		0			
9		0			9
		0			
10		0			10
		0			
11	E3-17C	0			11
		0	SC	11'-14' grey medium SAND and CLAY, little fine gravel	
12		0			12
		0			
13		0			13
		0			
14	E3-17D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 7

APPENDIX 5

305034

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PO Box 5430, Parsippany, NJ, 07054
Phone: (973) 560-1400 Fax: (973) 560-0400

Test Pit Excavation Log for: E3-18

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type		Soil/Geologic Description	Depth (ft.)
		0	SM	0-6'	dark brown fine to coarse SAND and SILT, some rocks, wood,	
1		0			brick and cement fragments	1
		0				
2		0				2
		0				
3		0				3
		0				
4		0				4
		0				
5		0				5
		0				
6	E3-18A	0				6
		0	SP	6'-7'	black medium to coarse SAND, some fine gravel	
7	E3-18B	0				7
		0	SP	7'-12'	reddish-purple fine to coarse SAND	
8		0				8
		0				
9		0				9
		0				
10		0				10
		0				
11		0				11
		0				
12	E3-18C	0				12
		0	OL	12'-14'	grey SILT with trace meadow mat	
13		0				13
		0				
14	E3-18D	0				14
15				Pit Ends @ 14.0'		15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						

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Test Pit Excavation Log for: E3-19

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 8'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: N/A
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type		Soil/Geologic Description	Depth (ft.)
		0	SM	0-6'	dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0				1
		0				
2		0				2
		0				
3		0				3
		0				
4		0				4
		0				
5		0				5
		0				
6	E3-19A	0				6
		0	SP	6'-7'	black medium to coarse SAND, some fine gravel	
7	E3-19B	0				7
		0	SP	7'-8'	reddish-purple fine to coarse SAND	
8	E3-19C	0				8
9					Refusal @ 8.0', solid concrete encountered	9
10						10
11						11
12						12
13						13
14						14
15						15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						

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Test Pit Excavation Log for: E3-20

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 14'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	E3-20A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	E3-20B	0			7
		0	SP	7'-12' reddish-purple fine to coarse SAND	
8		0			8
		0			
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	E3-20C	0			12
		0	OL	12'-14' grey SILT with trace meadow mat	
13		0			13
		0			
14	E3-20D	0			14
15				Pit Ends @ 14.0'	15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 5

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Test Pit Excavation Log for: E3-21

Site Name: Edgewater	EWMA Job #: 200754	Test Pit Depth: 13'
Owner: Scott Heller	NJDEP Program #:	Test Pit Length: 10'
Location: 1 River Rd. Edgewater, NJ	Test Pit Install Date: June 8,2000	Test Pit Width: 10'
	Test Pit Completion Date: June 8, 2000	
Type of Excavator: Trackhoe	Contractor: EWMA	G.W. Encountered: 9'
Sampling Method: Disposable Scoop	Operator: John	Static Water:
	Geologist: Scott Bisbort	

Depth (ft.)	Sample ID and Depth	PID (Meter Units)	Soil Type	Soil/Geologic Description	Depth (ft.)
		0	SM	0-6' dark brown fine to coarse SAND and SILT, some rocks, wood, brick and cement fragments	
1		0			1
		0			
2		0			2
		0			
3		0			3
		0			
4		0			4
		0			
5		0			5
		0			
6	E3-21A	0			6
		0	SP	6'-7' black medium to coarse SAND, some fine gravel	
7	E3-21B	0			7
		0	SP	7'-12' reddish-purple fine to coarse SAND	
8		0			8
		0			
9		0			9
		0			
10		0			10
		0			
11		0			11
		0			
12	E3-21C	0			12
		0		12'-13' grey-white medium SAND	
13	E3-21D	0			13
14				Pit Ends @ 13.0'	14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					

APPENDIX 6

APPENDIX 7

APPENDIX 5

APPENDIX C

APPENDIX C

Melick-Tully Boring Logs

LOG OF BORING

BORING NO. 1X

SURFACE ELEV.

COMPLETION DATE: 06/28/1999

JOB NUMBER: 4735-036

WATER LEVEL: 11'

READING DATE: 06/28/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 20' without sampling Uneven drilling action to 11' PROBABLE FILL -numerous cobbles and boulders from 6' to 11'
15				ML	Smooth drilling @ 11' Probable clayey silt -Dark grey clayey silt (soft)
20	▯	2,1 2,1		SM	Dark gray fine sand, little silt (loose)
25	▯	1,2 2,10		SP	Gray fine to medium sand, trace silt (loose)
				ML	Gray clayey silt (stiff)
30	▯	4,6 9,12		ML	Brown silt, little fine sand (medium dense)
35	▯	2,34 32,43 75/0"			Gray-black diabase - highly fractured
40, 45, 50, 55, 60, 65					Boring completed @ 37' Refusal to further penetration with auger @ 37'

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 2X

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE BLOWS/6 INCHES (2)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Attempted to drill through fill without sampling Steel obstruction encountered @ 11' - could not penetrate Boring shifted 8' west - See boring 2XA
15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 11' Water level not recorded

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 2XA

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 20' without sampling Uneven drilling action to 13' PROBABLE FILL
15				??	Smooth drilling @ 13' - Probable clayey silt
20	▨	2,4 9,60/3"		SM	Change in drilling action @ 18' - Probable silty sand -Gray-brown fine to medium sand, some silt (medium dense)
				ML	Brown silt, little fine sand, little fine to coarse gravel (dense to very dense)
25	▨	22,32 40,40		SM	Light brown fine to coarse sand, little silt, with sandstone fragments (decomposed sandstone) (very dense)
30	▨	2,2 50/3"			-grading with numerous sandstone fragments
35	▨	50/0"			-Refusal to further penetration with auger @ 35' Probable sandstone bedrock
40, 45, 50, 55, 60, 65					Boring completed @ 35' Water level not recorded

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 3X

SURFACE ELEV.

COMPLETION DATE: 07/02/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/02/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled without sampling to 20' Uneven drilling action to 13' PROBABLE FILL -Numerous cobbles and concrete fragments from 0' - 5' and 10' - 11'
15				ML	Smooth drilling action @ 13' Probable clayey silt
20	▨	8,6 6,8			-Dark gray clayey silt (medium)
25	▨	3,14 13,14		SP	Light brown fine sand, trace silt (medium dense)
30	▨	0,8 20,21			-grading with some fine gravel
35	▨	10,11 11,17		SM	Light brown fine to medium sand, little silt (medium dense)
40	▨	8,23 32,34		ML	Light brown silt, little fine sand (very dense)
45	▨	9,14 15,19		SM	Light brown fine sand, little silt (medium dense) -grading with diabase fragments - refusal to further penetration with auger @ 48'
	▨	100/0"			
50, 55, 60, 65					Boring completed @ 48' Water level not recorded

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 4X

SURFACE ELEV.

COMPLETION DATE: 06/28/1999

JOB NUMBER: 4735-036

WATER LEVEL: 8'

READING DATE: 06/28/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 30' without sampling Uneven drilling action to 12' PROBABLE FILL -boulders from 3' to 5'
15, 20, 25					Smooth drilling action @ 12' -probable clayey silt
30	▯	0,0 2,1		ML	-gray clayey silt (soft)
35	▯	0,0 0,0			
40	▯	0,0 0,2			
45	▯	0,0 2,2			
50	▯	0,0 3,3			-grading with some fine to medium sand
55	▯	8,27 43,26		SM	Gray fine to medium sand, some silt (very dense)
				ML	Light brown silt, little fine sand (very dense)
60	▯	11,12 28,29		SM	Gray-brown fine to medium sand, little silt (dense)
65	▯	12,50 33,25		SP	Brown fine to coarse sand, trace silt (very dense)

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

(Continued on following page)

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 4X

SURFACE ELEV.

COMPLETION DATE: 06/28/1999

JOB NUMBER: 4735-036

WATER LEVEL: 8'

READING DATE: 06/28/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION (Continued from previous page)
		12,50 33,25			Brown fine to coarse sand, trace silt (very dense)
70		11,24 39,36			-grading with thin layers of red-brown silty fine sand,
75				SP	
80		100/1"			
85		100/3"			-refusal to further penetration with auger @ 85'-6"
					Boring completed @ 85'-6"
90					
95					
100					
105					
110					
115					
120					
125					
130					

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 5X

SURFACE ELEV.

COMPLETION DATE: 07/07/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/07/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE BLOWS/6 INCHES (2)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
					Drilled to 20' without sampling. Two attempts required. Initial attempt encountered boulder from 8'to 9', and numerous boulders from 16'to 19' Could not advance deeper than 19'. Relocated and started over. Second attempt encountered boulders from 11'to 14'
5					
10					
15					
20	▨	5,12 3,5			FILL - Black fine to coarse sand, little fine gravel, little silt with occasional boulders
25	▨	14,53 11,10			-Obstruction @ 28' relocated boring 90' to NW - See Boring 5XA
30					Boring completed @ 129' Water level not recorded
35					
40					
45					
50					
55					
60					
65					

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 5XA

SURFACE ELEV.

COMPLETION DATE: 07/07/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/07/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 20' without sampling Uneven drilling action to 18' PROBABLE FILL
20	▯	11,13 16,16		CL	Smooth drilling action @ 18' Probable silty clay -Gray silty clay (very stiff)
25	▯	2,3 3,3		SM/ML	Gray and black fine to medium sand and silt (loose)
30	▯	1,1 2,2		ML	Gray and black silt, little fine sand (loose)
35	▯	0,0 3,4		ML	Gray-black clayey silt (medium)
40	▯	0,2 3,3			
45	▯	2,2 2,2			-trace shell fragments
50	▯	0,5 2,4			
55	▯	0,3 2,3			
60	▯	4,4 4,3			
65	▯	0,0 4,3			

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

(Continued on following page)

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 5XA
SURFACE ELEV.

COMPLETION DATE: 07/07/1999
JOB NUMBER: 4735-036

WATER LEVEL: See Below
READING DATE: 07/07/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION (Continued from previous page)
		0,0 4,3			Gray-black clayey silt (medium)
70		0,0 5,5			
75					
80		0,0 5,3			
85				ML	
90		0,6 6,5			
95					
100		9,9 10,10			
105					
110		75,93 100/5"		ML/SM	Brown silt and fine to coarse sand, little fine gravel (very dense)
115		100/5"			Red-brown silt and fine to medium sand with shale fragments (very dense)
120		100/4"		ML	
125		100/5"			
					Red-brown shale Refusal to further penetration with auger @ 129'
130		100/0"			Boring completed @ 129' Water level not recorded

NOTES FOR COLUMNS:
1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 6X

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 20' without sampling Uneven drilling action to 15' PROBABLE FILL Difficult drilling @ 1'-3', 9'-10', & 14'-15' Probable boulders
15				ML	Smooth drilling action @ 15' - Probable clayey silt
20	▨	1,2 4,4			-Gray-black clayey silt (soft)
25	▨	5,9 12,20		ML	Light brown clayey silt, little fine to coarse sand (very stiff)
30	▨	15,35 53/2"		ML	Green-brown clayey silt, little fine to coarse gravel, little fine to coarse sand (very stiff - hard)
35	▪	100/4"		SM	Gray fine to medium sand, little silt, with diabase fragments (very dense)
40	▪	25/0"			-refusal to further penetration with auger @ 40'
45, 50, 55, 60, 65					Boring completed @ 40' Water level not recorded

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

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PLATE 2H

305050

LOG OF BORING

BORING NO. 7X

SURFACE ELEV.

COMPLETION DATE: 07/06/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/06/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE BLOWS/6 INCHES (2)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled without sampling to 20' Uneven drilling action to 19' PROBABLE FILL -very difficult drilling from 16' - 19' Probable boulders
20	▬	75/1"		SM	Light gray fine to coarse sand, some silt with sandstone fragments (decomposed sandstone)
25	▬	75/0"			
30	▬	100/0"			-Refusal to further penetration with auger @ 30' on probable sandstone bedrock
35, 40, 45, 50, 55, 60, 65					Boring completed @ 30' Water level not recorded

NOTES FOR COLUMNS:

1. ▬ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 8x

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 25' without sampling Uneven drilling action to 11' PROBABLE FILL - Boulders from 0'to 6'
15				??	Smooth drilling action from 11' - 18' Possible clayey silt
20					Less smooth drilling action @ 18' Possible silty sand
25	■	75/5"		SM	Light gray fine to coarse sand, some silt, with occasional decomposed sandstone fragments (very dense)
30	■	80/1"			
35	■	50/0"			-numerous sandstone fragments
40	■	50/0"			Light gray sandstone -refusal to further penetration with auger @ 40'
45, 50, 55, 60, 65					Boring completed @ 40' Water level not recorded

NOTES FOR COLUMNS:

1. ■ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 9X

SURFACE ELEV.

COMPLETION DATE: 06/30/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/30/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 20' without sampling Uneven drilling sction to 14' PROBABLE FILL -numerous concrete fragments and plastic from 4' - 9'
15				??	Smooth drilling action from 14'to 18' Possible clayey silt
20	▨	4,3 3,1			Less smooth drilling action @ 18' PROBABLE silty sand FILL -FILL - Brown silty sand with cinders, fine gravel
25	▨	3,1 1,1			
30	▨	1,1 1,2		ML	Dark gray clayey silt (soft)
35	▨	0,1 1,1			
40	▨	0,2 1,1			
45	▨	2,2 1,1			-grading with little fine to medium sand
50	▨	3,8 22,17			
55	▨	12,29 34,46		ML	Light brown clayey silt with decomposed sandstone fragments (very stiff) -grading with numerous diabase fragments
60	▨	26,100/5"			
65	▨	42,100/5"		SM	Brown fine to medium sand, little silt (very dense)

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

(Continued on following page)

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 9X

SURFACE ELEV.

COMPLETION DATE: 06/30/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/30/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION (Continued from previous page)
		42,100/5"			Brown fine to medium sand, little silt with diabase
70		85,50/2"		SM	
75		100/0"			-grading with fragments of red-brown shale refusal to further penetration with auger @ 77'
80					Boring completed @ 77' Water level not recorded
85					
90					
95					
100					
105					
110					
115					
120					
125					
130					

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 10x

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 20' without sampling Uneven drilling action to 16' PROBABLE FILL -numerous concrete fragments from 0' to 6'
20				??	smoother drilling action @ 16' Possible silty sand
25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 20' Water level not observed

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 11X

SURFACE ELEV.

COMPLETION DATE: 06/25/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/25/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 20' without sampling Uneven drilling action to 12' PROBABLE FILL -Numerous cobbles, boulders, concrete fragments from 0' to 6'
15				??	Smooth drilling action from 12' to 17' Probable clayey silt
20	▨	3,3 10,19		SM	Less smooth drilling action @ 17' Probable silty sand -Gray-brown fine to medium sand, some silt (medium dense)
				SM	Light brown fine to medium sand and silt (dense)
25	▨	6,11 16,18		ML	Light brown clayey silt (very stiff)
30	▨	3,22 52,60/2" 75/1"			Gray-black diabase - highly fractured -refusal to further penetration with auger @ 32'-6"
35, 40, 45, 50, 55, 60, 65					Boring completed @ 32'-1" Water level not recorded

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

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PLATE 2M

305056

LOG OF BORING

BORING NO. 12X

SURFACE ELEV.

COMPLETION DATE: 06/29/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 06/29/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION (2) RESISTANCE BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 20' without sampling
20	▨	9,14 21,100		SM	Light gray and yellow-brown fine to medium sand, little silt (dense)
25, 30	▨	17,22 100		SM/GM	Green-gray fine to coarse sand and fine to coarse gravel, some silt (very dense)
35	▨	100/1"		SM	Light gray fine to medium sand and silt (decomposed sandstone)
40	▨	50/1"			-sandstone fragments
	▨	80/0"			-refusal to further penetration with auger @ 43'
45, 50, 55, 60, 65					Boring completed @ 43' Water level not recorded

NOTES FOR COLUMNS:

1. ▨ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 13X

SURFACE ELEV.

COMPLETION DATE: 07/09/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/09/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION (2) RESISTANCE BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 31' without sampling Uneven drilling to 19' PROBABLE FILL
20, 25				SM	Smoother drilling action @ 19' Probable silty sand
30	▬	50/1"			Light gray fine to medium sand, some silt, occasional sandstone fragments (very dense)
35	▬	50/0"			Very hard drilling @ 35' - Probable sandstone bedrock -Refusal to further penetration with auger @ 38'
40, 45, 50, 55, 60, 65					Boring completed @ 38' Water level not recorded

NOTES FOR COLUMNS:

1. ▬ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 14X

SURFACE ELEV.

COMPLETION DATE: 07/06/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/06/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10					Drilled to 15' without sampling - 2 attempts required Uneven drilling action - PROBABLE FILL Numerous boulders from 0' to 10'
15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 15' Water level not recorded

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 15X

SURFACE ELEV.

COMPLETION DATE: 07/06/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/06/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE (2) BLOWS/6 INCHES	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 20' without sampling Uneven drilling action PROBABLE FILL -Numerous obstructions from 4' to 18'
20, 25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 20' Water level not recorded

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 16X

SURFACE ELEV.

COMPLETION DATE: 07/06/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE: 07/06/1999

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE BLOWS/6 INCHES (2)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled to 18' without sampling Uneven drilling action PROBABLE FILL
20, 25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 18' Water level not recorded

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%

LOG OF BORING

BORING NO. 17X

SURFACE ELEV.

COMPLETION DATE: 07/06/1999

JOB NUMBER: 4735-036

WATER LEVEL: See Below

READING DATE:

DEPTH (FEET)	SAMPLES (1)	PENETRATION RESISTANCE BLOWS/6 INCHES (2)	MOISTURE CONTENT (%)	SYMBOL	DESCRIPTION
5, 10, 15					Drilled without sampling to 16' Uneven drilling action PROBABLE FILL
20, 25, 30, 35, 40, 45, 50, 55, 60, 65					Boring completed @ 16' Water level not recorded

NOTES FOR COLUMNS:

1. ▯ INDICATES THE DEPTH OF SAMPLER PENETRATION.
2. INDICATES THE NUMBER OF BLOWS FOR EACH 6 INCHES OF PENETRATION TO ADVANCE A 2" O.D. SAMPLER USING A 140 POUND WEIGHT FALLING 30 INCHES.

SOIL DESCRIPTION MODIFIERS:

TRACE	0 - 10%
LITTLE	10 - 20%
SOME	20 - 35%
AND	OVER 35%