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Golder Associates

April 25, 2007

Environmental
APR 30 2007

Project No.: 053-6388
VIA FEDERAL EXPRESS

NYSDEC Region 1
SUNY at Stony Brook
50 Circle Road
Stony Brook, NY 11790

RE: SITE INVESTIGATION REPORT
1121 JERUSALEM AVENUE, UNIONDALE, NEW YORK

Ladies and Gentlemen:

On behalf of Northwestern Mutual Life Insurance Company (NML), Golder Associates Inc. is pleased to submit this Site Investigation Report for your review. This Site Investigation was performed as part of an environmental due diligence effort to support a potential foreclosure on the subject property.

In brief, there are relatively low levels of contamination associated with the fill materials and groundwater contamination immediately downgradient of the former fill area underlying the subject property. Samples collected from monitoring wells installed further downgradient at the Site boundary did not exceed New York State Department of Conservation groundwater standards. Thus, based on the results of this investigation, it appears that groundwater impacts potentially related to the fill materials is limited to the Site.

We look forward to discussing this report further at your convenience. Should you have any questions, please contact the undersigned at (973) 645-1922.

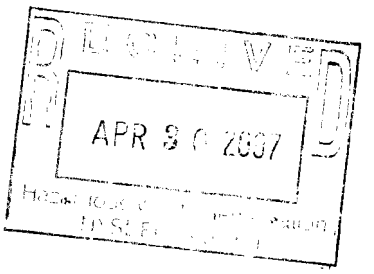
Sincerely,

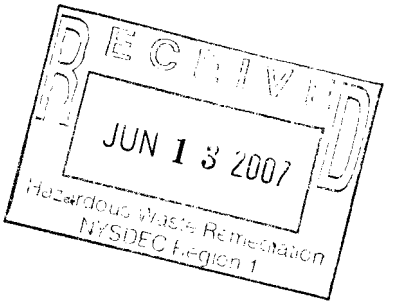
GOLDER ASSOCIATES INC.

Christopher D. Hemingway, P.G.
Senior Hydrogeologist

cc: Mr. Brian Bennett, NML

CDH/ab





SITE INVESTIGATION REPORT
SHOPRITE FACILITY
1121 JERUSALEM AVENUE
UNIONDALE, NEW YORK - 1163

Submitted to:

NORTHWESTERN MUTUAL LIFE INSURANCE COMPANY
720 EAST WISCONSIN AVENUE
MILWAUKEE, WISCONSIN 53202

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1 Copy – NYSDEC Region 1
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2 Copies – Golder Associates Inc.

April 2007

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1.0 INTRODUCTION

Golder Associates Inc. (Golder) was retained by Northwestern Mutual Life (NML) to perform a preliminary subsurface investigation (SI) of the property located at 1121 Jerusalem Avenue (Site or "Subject Property") in Uniondale, New York (Figure 1). The objective of this investigation was to characterize the nature and extent of subsurface materials and examine Site groundwater conditions.

Golder understands that NML is considering foreclosing on the subject property at the above-mentioned location. Toward this end, Golder performed a limited Environmental Review (ER) during October 2005 as described in the *Draft Environmental Review Report* submitted to NML November 15, 2005. Based on the results of the ER, particularly a review of historic documents indicating the presence of a non-permitted landfill and constituent levels in soil and groundwater in excess of current New York State Department of Environmental Conservation (NYSDEC) remediation criteria, Golder performed the SI presented herein, which included:

- Installation of eight soil borings and collection of soil samples at five locations based on field information obtained during the SI program;
- Installation, development, and surveying of eight permanent groundwater monitoring wells and collection of groundwater samples from these eight locations; and,
- Analysis of soil and groundwater samples and evaluation of the results.

The following Sections of this report provide a summary of the work completed for the SI, a description of the methodologies employed, and an evaluation and discussion of the data collected during the SI at the above-mentioned Site.

2.0 BACKGROUND INFORMATION

2.1 Site Description

The subject property is located at 1121 Jerusalem Avenue, just west of Meadowbrook Parkway, in Uniondale, Nassau County, New York (Figure 1). The subject property is referenced as Lot 269, Block G, Section 50[1] on the land and tax map of Nassau County, and covers roughly 4.5 acres. The concrete block and steel building located at the Site was built in 1995/1996, and currently contains a vacant ShopRite store, and an active RadioShack and pizzeria (Figure 2). Immediately adjacent to the Site to the east is an active Wal-Mart shopping center. A large, paved parking lot is located on the south side of the property. The investigation work described herein was not performed on the Wal-Mart leasehold as the Wal-Mart leasehold is not part of the subject property, and not under consideration for foreclosure.

According to documents reviewed as part of the ER, the northern portion of the subject property and the adjacent Wal-Mart parcel, was filled during the 1960s and 1970s with a wide variety of materials including construction debris, medical waste, old paint cans, and yard waste. Previous, environmental investigations in the former fill area indicated the presence of fill materials and certain constituents in excess of current NYSDEC soil and groundwater criteria.

2.2 Regional Geology and Hydrogeology

Long Island, New York's present configuration is primarily the result of glaciation which occurred during the Pleistocene Era. The site is located in the Coastal Plain Physiographic Province, which is comprised of interbedded sands and clays. These inter-bedded layers form three main aquifers and associated clay confining layers. The shallowest is the Upper Glacial Aquifer, which consists of glacial till and outwash deposited during the Pleistocene ice advances. The largest of the aquifers, known as the Magothy, lies beneath the Upper Glacial and serves as a major source of water for Long Island. It is composed of Cretaceous deltaic sediments. A semi-confining clay unit underlies the Magothy and restricts movement of water into the Lloyd Aquifer, which lies in contact with the bedrock. In addition to these layers, Long Island contains numerous smaller aquifers and localized confining layers.

[1] This lot and block designation is based on updated information obtained from the Nassau County Department of Assessment and is different than that presented in the survey provided by NML and in the Draft Environmental Review.

Groundwater quality in these aquifers is generally good, although contamination from nitrates and volatile organic compounds related to gasoline (i.e., benzene, toluene, ethylbenzene, xylene and MTBE) in the Upper Glacial Aquifer is documented in many areas throughout Long Island, including the vicinity of the Site.

Regionally, as many as forty seven water monitoring wells (gauging stations) screened primarily in the Upper Glacial Aquifer are maintained and periodically measured by the United States Geological Survey (USGS), and are reported to have an average depth to water of approximately 20 feet below ground surface (ft-bgs).

Three public water supply wells (or well fields) are located within one mile of the subject property. According to the EDR Field Check Report, one of the public water supply wells (or well fields) is owned by the Town of Hempstead Water Department and is located north-northwest of the subject property (upgradient). An additional public supply well (or well field), according to the EDR Field Check Report, is owned and operated by the New York Water Service Corporation, and is located to the south-southeast (downgradient).

2.3 Previous Investigations and Results

Golder obtained and reviewed the following documents concerning the Site:

- "Plander Lanes Uniondale's Love Canal, Do You Love Your Canal? Testimony At Public Hearing Before Town Of Hempstead Town Board" Testimony prepared by Daniel Karpen on behalf of the Winthrop Mitchell Block Association, April 1989;
- "Supplemental Soil & Groundwater Investigation At Uniondale Shopping Center Site," Fanning Phillips & Molnar, June 1989;
- "Final Environmental Impact Statement For The Uniondale Shopping Center," Fanning Phillips & Molnar, July 1989;
- "Supplemental Geohydrology Work Plan Uniondale Shopping Center Site, Prepared For Philips International," Fanning Phillips & Molnar, February 1990;
- "Work Plan For Follow Up Soil And Groundwater Investigation Uniondale Shopping Center Site, Prepared for Philips International," Fanning Phillips & Molnar, March 1990;
- "Methane Abatement System Design Uniondale Shopping Center, Uniondale, New York, Prepared For Uniondale Realty Associates C/O Philips International", Envirotrac Ltd., June 1995;
- "Environmental Site Assessment For Phillips International And Northwestern Mutual Life Of ShopRite 1621 Jerusalem Avenue Uniondale, New York 11553 Project No. 85115-0001," ATC Environmental Inc., November 1996.

- "Preliminary Investigation Of Buried Waste Piping, Below-Slab Pipe Hangers And Methane Abatement System Uniondale Shopping Center Jerusalem Avenue, Uniondale, NY, Prepared For Berkman, Henoch, Peterson, & Peddy, P.C.," Simpson Gumpertz & Heger Inc., June 2005

The referenced reports were reviewed and relevant information from these reports is included in this report where applicable. More detailed summaries of selected reports are included in the *Draft Environmental Review* described previously.

3.0 FIELD SAMPLING AND ANALYSIS PROCEDURES

The drilling program was completed by Summit Drilling Inc. (Summit) in two separate mobilization phases. The first phase was conducted January 30th through February 2nd, 2006 and included the advancement of five borings using hollow stem auger (HSA) techniques, continuous soil sampling for lithologic characterization, and installation and development of five permanent monitoring wells. Soil and groundwater samples collected during and subsequent to the drilling work were submitted to CompuChem, a New York certified laboratory, for analysis.

The second phase of drilling work was performed by Summit on March 17th and March 20th, 2006 and included the advancement of three borings using hollow stem auger (HSA) techniques and installation and development of three permanent monitoring wells. Continuous soil sampling using direct push techniques was performed for lithologic characterization prior to advancing each monitoring well boring, however, samples from these borings were not submitted for analysis based on their location and lack of field observations indicating potential impact. Groundwater samples were collected from these three wells subsequent to completion of the drilling program and submitted to Severn Trent Laboratories (STL), a New York certified laboratory, for analysis.

3.1 Soil Boring Installation Procedures

Summit Drilling Inc. (Summit), used 4.25-inch inside-diameter (ID) hollow-stem augers (HSAs) to advance a total of eight environmental soil borings (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, and SB-8) at the locations shown on Figure 2. Continuous split-spoon samples or direct push soil cores were collected at each of the soil boring locations and logged by Golder personnel. Soil boring logs are included as Attachment A.

3.2 Monitoring Well Installation Procedures

A total of eight groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8) were installed by Summit in general accordance with NYSDEC protocols following completion of their respective soil borings at the locations shown on Figure 2. The monitoring wells were constructed of 2-inch ID, Schedule 40 PVC riser pipe with varying lengths of 2-inch ID, Schedule 40 PVC 0.010-inch slot size well screen. Monitoring wells MW-1 and MW-2 were installed to approximately 50 feet below ground surface (ft. bgs). All other wells were installed to intersect the observed water table location at the time of drilling (generally 15 to 20 ft.bgs). Following installation of

the riser and screen, a #1-sized silica sandpack was installed in the borehole annulus from the bottom of the borehole (approximately 1 foot below the screen) to approximately 2.5 feet above the top of the screen. A cement/bentonite grout slurry was then pumped in to the remaining annular space until grout was observed to be flowing from the borehole. A flush mount manhole cover and concrete pad were installed to complete the well at the surface. The wells were secured with locking caps. Monitoring well installation logs are included as Appendix A. A summary of well construction information is included as Table 1.

Well development was performed via continuous cycles of pumping and surging using a submersible pump and bailer. The monitoring wells were developed until relatively turbidity-free (i.e., less than 100 nephelometric turbidity units (NTU)), visually clear groundwater was produced, and indicator parameters stabilized, indicating formation water was obtained. Well development forms are included as Appendix B.

All environmental boring drill cuttings and development water were collected in Department of Transportation (DOT) approved 55-gallon drums, labeled with the boring number, and stored on-Site. KS Engineers, P.C., a New York Registered Land Surveyor, surveyed the elevation of the inner monitoring well casings and boring locations following installation and development. Survey information is included in Table 1.

3.3 Soil Sampling Procedures

Soil samples for laboratory analysis were collected from five of the eight borings in general accordance with the soil sampling procedures as outlined in NYSDEC's *Technical Field Guidance - Site Investigation Procedures.* Decontaminated split-spoon samplers were advanced throughout the soil borings. The spoons were retrieved, and then visually screened for soil discoloration or evidence of contamination. In addition, a calibrated Photo-Ionization Detector (PID) was used to screen each soil sample for the presence of volatile constituents. Areas exhibiting the greatest physical evidence of contamination (e.g., PID readings, staining, evidence of fill, etc.) from borings SB-1, SB-2, SB-3, and SB-4 were retained for laboratory analysis. If no visual indications were observed and no PID readings above background were detected, the sample collected immediately above the noted groundwater surface was retained and submitted to the laboratory for analysis.

In general, the PID results from the soil cores collected from the borings were within background levels (i.e., less than 1 - 2 parts per million (ppm)) with maximum PID readings of about 11 -15 ppm, and therefore did not indicate any particular areas of impact. However, soils screened from boring SB-3 exhibited elevated PID readings and odors in several zones as described in the boring log in Appendix A.

A non-homogenized grab sample was collected from areas exhibiting potential impact for VOC analysis. The remaining soil from the sample spoon(s) was then homogenized and placed in sample jars. Due to the generally poor recovery in spoons collected within the fill material, and the volume of soil required for the analyses, soil was collected from two consecutive spoons when necessary. Analytical samples from soil borings SB-1, SB-2, SB-3, and SB-4 (two samples) were submitted to CompuChem and analyzed using USEPA methods for the following parameters: Target Compound List Volatile Organic Compounds (TCL VOCs) – EPA8260; Semi-volatile Organic Compounds (SVOCs) – EPA8070, Pesticides and Polychlorinated Biphenyls (PCBs) – EPA 8141 and EPA8082 and Target Analyte List (TAL) metals – EPA6010/7470. Standard chain-of-custody procedures were maintained throughout the sampling and transportation process. A summary of the constituents detected in these samples is presented in Section 4 and in Table 2. Individual laboratory data sheets are included as Appendix D

3.4 Groundwater Sampling Procedures

Groundwater samples were obtained from the eight monitoring wells using low-flow sampling techniques in accordance with the United States Environmental Protection Agency (USEPA) document entitled *Groundwater Sampling Procedure Low Stress Purging and Sampling Procedures* (March, 1998). This approach was selected in an effort to minimize the turbidity (i.e., the presence of suspended solids) and purge water generated as much as practically possible, and is generally described as follows.

Each well was purged using a decontaminated submersible pump at a rate of approximately 150 milliliters per minute (ml/min). During purging, the water level was monitored and if necessary, the pumping rate adjusted such that water level drawdown was minimized. A clean and calibrated (to manufacturer's specifications) Horiba-U-22 instrument with an in-line flow cell, was attached to the pump discharge tubing. Field parameters (temperature, pH, turbidity, and specific conductance) were monitored during purging until the parameters stabilized over a minimum of three consecutive

readings. Stabilization was considered achieved when pH was within +/- 0.1 standard units; conductivity was within 3%; temperature was within ±0.5 degrees; and turbidity was within 10% (and less than 100 NTU). All measurements were recorded in field notebooks and transferred to the sample collection forms presented in Appendix C.

Once parameters stabilized, the flow cell was disconnected from the discharge tubing in order to collect samples directly from the end of the tubing. Samples for VOC analysis were collected first. The pump flow rate was further reduced during the collection of samples for VOCs to minimize volatilization and for metals to minimize turbidity. All sample bottles were filled by allowing the pump discharge to flow gently down the inside of the bottle with minimal turbulence. Care was taken to eliminate headspace in the 40-milliliter (ml) vial for VOC samples. Sample jars were labeled, placed on ice, and transported by courier to either CompuChem (groundwater samples collected from MW-1, MW-2, MW-3, MW-4, and MW-5) or STL laboratories (groundwater samples collected from MW-6, MW-7, and MW-8).

Samples collected from MW-1 through MW-5 were analyzed using USEPA methods for the following parameters: TCL VOCs – EPA8260; SVOCs – EPA8070, Pesticides and PCBs – EPA 8141 and EPA8082, and TAL metals – EPA6010/7470. Samples collected from monitoring wells MW-6 through MW-8 were not analyzed for metals based on the results of the samples collected from MW-1 through MW-5. A summary of the constituents detected in groundwater is presented in Section 4 and on Table 3. Individual laboratory data sheets are included as Appendix D.

3.5 Quality Assurance/ Quality Control (QA/QC)

Individual QA/QC samples (i.e., trip blanks, duplicates, etc.) were not collected during the SI to monitor sampling and laboratory performance. However, the chemical data for samples collected at the Site were validated to identify quality issues which could affect the use of the data for decision making purposes.

A total of eight groundwater and five soil samples were collected for chemical analysis during the sampling event. CompuChem performed all chemical analyses except the March 2006 groundwater samples (MW-6, MW-7, and MW-8) which were analyzed by STL. All chemical analyses were performed following USEPA method guidelines:

- TCL VOCs following USEPA SW846[2] Method 8260B Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (December, 1996).
- TCL SVOCs following USEPA SW846 Method 8270C Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) (January, 1998).
- TCL Pesticides following USEPA SW846 Method 8081A Organochlorine Pesticides by Gas Chromatography (December 1996).
- PCBs following USEPA SW846 Method 8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography (December 1996).
- TAL Metals following USEPA SW846 Method 7470/7471 Mercury in Liquid Waste (Manual Cold-Vapor Technique) (September 1994), and Method 6010 Inductively Coupled Plasma-Atomic Emission Spectrometry (December 1996).

Data for VOCs were evaluated following guidelines provided by USEPA Region II Standard Operating Procedure (SOP) No. HW-24, Revision 1, Validating Volatile Organic Compounds by SW-846 Method 8260B, June 1999. Data for SVOCs were evaluated following USEPA Region II SOP No. HW-22, Revision 2, Validating Semivolatile Organic Compounds by SW-846 Method 8270C, June 2001. Pesticides were evaluated following USEPA Region II SOP No. HW-23, Revision 0, Organochlorine Pesticides/PCB Analysis, April 1995 and PCBs following USEPA Region II SOP No. HW-23B, Revision 1, Validating PCB Compounds by SW846 8082, May 2002. Data for inorganics were evaluated following guidelines provided by USEPA Region II SOP No. HW-2, Revision 11, Evaluation of Metals Data for the Contract Laboratory Program, January 1992. Chemical results for the samples collected at the Site were qualified on the basis of outlying precision or accuracy parameters, or on the basis of professional judgment

In general, the data generated as part of the January - March 2006 sampling events met the QC criteria established in the respective USEPA methods and Region II SOPs. The following bulleted items highlight qualifications to specific parameters. Although these qualifications were applied to some of the samples collected at the Site, the qualifications may not have been required or applied to all samples collected.

- February 2006 groundwater results for aldrin, beta-BHC, heptachlor, beryllium, and lead were qualified as non-detect (U) due to method blank contamination.

[2] USEPA, 1996, Test methods for evaluating solid waste, physical/chemical methods (SW-846): 3rd edition, Environmental Protection Agency, National Center for Environmental Publications, Cincinnati, Ohio, accessed at URL http://www.epa.gov/epaoswer/hazwaste/test/sw846.htm

- February 2006 groundwater results for heptachlor and heptachlor epoxide were rejected (R) due to the % difference between the two columns being greater than 100%, as well as interference on the higher column.

Based on the data evaluation and data quality assessment, the analytical data for samples collected at the Site were determined to be acceptable (including estimated data) for their intended use, with the exception of data qualified as **R** (rejected). Generally, acceptable levels of accuracy and precision, based on Laboratory Control Standards (LCS), Matrix Spike / Matrix Spike Duplicates (MS/MSD), and surrogate recoveries, were achieved for the data. In addition, the data completeness (i.e., the ratio of the amount of valid data obtained to the amount expected, including estimated (**J/UJ**) data) was 99.8%).

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4.0 SITE INVESTIGATION RESULTS

The following Section describes the results derived from the data collected during this Site Investigation and previous investigations, including information regarding the local (Site) geology, hydrogeology, and soil and groundwater analytical results.

4.1 Site Fill and Underlying Geologic Units

The encountered stratigraphy at the Site, in general, consists of the following, from youngest to oldest;

1. Uppermost Cover;
2. Fill Material
3. Sand (fine to coarse grained, grey or brown) with intermittent bands of clay and occasional gravels)
4. Sand (fine to coarse grained, brown to orange) and gravels (fine to medium sized)
5. Clay

A description of the Site fill and each geologic unit is provided below.

4.1.1 Site Fill

The uppermost surficial and subsurface materials at the Site can be characterized as follows:

- Uppermost Cover – Consists predominately of asphalt and sandy fill with some brick and wood fragments.
- Fill Material – This material mainly consists of a heterogeneous mixture of silt, sand, gravel, pebbles, cobbles, reclaimed asphalt, wood chips, concrete, and brick fragments with pieces of glass and porcelain, wire, and fence materials. This material was encountered predominately in borings SB-1, SB-2 and SB-3 which were advanced closest to the reported former landfill/quarry footprint, and ranged in thickness where encountered from 12 ft. bgs adjacent to the south side of the building to as much as approximately 20 ft.bgs within the former landfill footprint. .

4.1.2 Other Encountered Geologic Units

Sand with Intermittent Clay Unit

Quaternary sediments which underlie the fill to a depth of approximately 20 to as much as 35 ft.bgs consist of predominantly light-brown, gray, fine to coarse sand with some gravels (fine to medium) some silt (fines) and occasional clay lenses.

Sand and Gravel Unit

This unit is pervasive across the site and typically is encountered between twenty and fifty ft.bgs. Gravel content increases with depth throughout this zone (i.e., fining upward sequence) and the color becomes increasingly yellow-brown with depth. This sand and gravel unit likely comprises the "Upper Glacial Aquifer" at the Site.

Clay Unit

A light white-orange-colored clay was encountered in boring SB-2 below the sand unit at a depth of 49 ft. bgs. Upon encountering this clay unit, the boring was not advanced further. This unit likely represents a confining zone that separates the Upper Glacial Aquifer from the underlying aquifer units.

4.2 Site Hydrogeology

Water levels encountered during drilling ranged from approximately 15 to 21 ft.bgs in borings across the Site. Groundwater levels identified in the completed, developed monitoring wells were generally similar. Figure 3 presents an interpreted groundwater elevation and flow direction map constructed from a synoptic round of water level measurements collected on March 22, 2006 and included on Table 1. Based on these water level data, the groundwater flow direction at the Site is generally toward the south. The horizontal groundwater flow gradient, as calculated along the generalized direction of flow between monitoring wells MW-5 and MW-6, is approximately 0.0021 ft/ft, indicating a relatively flat-lying water table surface, consistent with the Site topography.

4.3 Soil and Groundwater Analytical Results

Analytical results for soil and groundwater samples collected at the previously described soil boring locations and from the permanent monitoring wells are summarized on Tables 2 and 3, and described in the following Sections. Concentrations for soil sample results are expressed as mg/kg (ppm) and

groundwater results are expressed as ug/l or parts per billion (ppb). Soil results are compared to the NYSDEC Recommended Soil Cleanup Objectives (RSCO) presented in TAGM #4046 Groundwater results are compared to the NYSDEC Groundwater Standards/Criteria (GWS) presented in 6 NYCRR Part 703 for GA (GA is the classification for "fresh groundwater" in New York).

4.3.1 Volatile Organic Compounds (VOCs)

VOCs were not detected above the NYSDEC RSCO in the soil samples collected during the SI. VOC detections in soil samples collected during the SI are summarized in Table 2.

VOC detections in groundwater samples collected during the SI are summarized on Table 3. VOCs were detected above the NYSDEC GWS in the groundwater samples collected during the SI as described following:

- Chloroethane was detected above the NYSDEC GWS (50 micrograms per liter (ug/L)) in groundwater sample collected from monitoring well MW-4 (87 ug/L);
- Benzene was detected above the NYSDEC GWS (1.0 ug/L) in the sample collected from monitoring wells MW-1 (4.8 ug/L, estimated), MW-3 (12 ug/L), and MW-4 (27 ug/L),
- Toluene was detected above the NYSDEC GWS (5 ug/L) in the sample collected from monitoring well MW-4 (140 ug/L);
- Chlorobenzene was detected above the NYSDEC GWS (5 ug/L) in the sample collected from monitoring wells MW-1 (37 ug/L) and MW-3 (28 ug/L); and
- Ethylbenzene was detected above the NYSDEC GWS (5 ug/L) in the sample collected in MW-3 (18 ug/L) and MW-4 (130 ug/L).

VOCs IN GW

4.3.2 Semi-Volatile Organic Compounds (SVOCs)

SVOCs detected at or above the laboratory detection limits in soil samples collected during the SI are summarized in Table 2. SVOCs detected above the NYSDEC RSCO are as follows:

- Benzo(a)anthracene was detected above the NYSDEC RSCO (0.224 milligrams per kilogram (mg/kg)) in the soil sample collected from boring SB-3 (0.730 mg/kg);
- Benzo(a)pyrene was detected above the NYSDEC RSCO (0.061 mg/kg) in the soil samples collected from borings SB-1 (0.064 mg/kg, estimated) and SB-3 (0.640 mg/kg);

- Chrysene was detected above the NYSDEC RSCO (0.40 mg/kg) in soil sample collected from boring SB-3 (0.770 mg/kg);and
- Dibenz(a,h)anthracene was detected above the NYSDEC RSCO (0.014 mg/kg) in the soil sample collected from boring SB-3 (0.068 mg/kg).

SVOCs detected at or above the laboratory detection limits in groundwater samples collected during the SI are summarized in Table 3. The only SVOC detected above the NYSDEC GWS (10 ug/L) in groundwater samples collected during the SI was naphthalene (66 ug/L) in monitoring well MW-3.

4.3.3 Metals

Metals detected at or above the laboratory detection limits in soil samples collected during the SI are summarized in Table 2. Metals detected above the NYSDEC RSCO in soil samples collected at the Site are as follows:

- Beryllium was detected (estimated concentrations) above the NYSDEC RSCO (0.16 milligrams per kilogram (mg/kg) or Site background (SB)) in soil samples collected from borings SB-2 (0.21 (J) mg/kg) and SB-3 (0.18 (J) mg/kg);
- Chromium was detected above the NYSDEC RSCO (10 mg/kg or SB) in the soil sample collected from boring SB-2 (39 mg/kg);
- Zinc was detected (estimated) above the NYSDEC RSCO (20 mg/kg) in the soil sample collected from boring SB-1 (330 mg/kg).

It should be noted that NYSDEC RSCO criteria for metals can be established based on site-specific background levels; however, background levels have not been established for this Site.

Metals detections in groundwater samples collected during the SI are summarized on Table 3. No metals above the NYSDEC GWS were reported in groundwater samples collected during the SI. In some instances (i.e., thallium, zinc) where detections were reported, no standard is listed under 6 NYCRR Part 703.

4.3.4 Pesticides and PCBs

Pesticides and polychlorinated biphenyls (PCBs) were not detected above the NYSDEC RSCO in the soil samples collected during the SI. Pesticide and PCB detections in soil samples collected during the SI are summarized in Table 2.

Pesticide and PCB detections in groundwater samples collected during the SI are summarized on Table 3. Pesticides and PCBs were detected above the NYSDEC GWS in the groundwater samples collected during the SI as described following:

- Aldrin was detected (estimated concentration) above the NYSDEC GWS (non-detect) in the groundwater sample collected from monitoring well MW-3 (0.028 ug/L);
- alpha-Chlordane was detected above the NYSDEC GWS (0.10 ug/L) in the groundwater sample collected from monitoring well MW-3 (0.15 ug/L);
- Dieldrin was detected above the NYSDEC GWS (non-detect) in the groundwater samples collected from monitoring wells MW-3 (0.24 ug/L) and MW-4 (0.12 ug/L);
- gamma-Chlordane was detected above the NYSDEC GWS (0.1 ug/L) in the groundwater sample collected from monitoring well MW-3 (0.24 ug/L); and
- PCB (Aroclor 1260) was detected above the NYSDEC GWS (5 ug/L) in the groundwater sample collected from MW-3 (69 ug/L).

5.0 SUMMARY AND CONCLUSIONS

Golder performed the SI presented herein, which included:

- Installation of eight soil borings and collection of soil samples at five locations based on field information obtained during the SI program;
- Installation, development, and surveying of eight permanent groundwater monitoring wells and collection of groundwater samples from these eight locations; and,
- Analysis and interpretation of soil and groundwater sample results.

The following Sections provide a summary of the results derived from this investigation.

5.1 Fill Material

The fill materials noted on-site are generally restricted to the approximate area of the former quarry footprint which includes the Site and the adjacent Wal-Mart leasehold. Soil investigation borings were installed immediately downgradient of the ShopRite (SB-1, SB-3, SB-4) or within the estimated landfill footprint (SB-2). Although recovery within this fill zone was generally poor, soil cores recovered from borings SB-1, SB-2, SB-3, and SB-4 indicated the presence of fill materials at various depths.

In summary:

- The fill is not an indigenous material. The fill layer encountered during this investigation contains man-made items such as reclaimed asphalt, brick fragments, styrofoam, concrete, wire, fence materials and pieces of glass and porcelain.
- Analytical results of samples of fill collected during the SI (Table 2) included exceedances of the NYSDEC RSCO for certain SVOCs and metals. These exceedances are generally limited to soil samples collected from SB-3, which is located at the approximate downgradient fringe of the former landfill footprint. Notably, no VOCs, PCBs, or pesticides were detected above NYSDEC soil clean-up objectives.

5.2 Groundwater

The analytical results of the groundwater samples collected at three monitoring wells (MW-1, MW-3, and MW-4) installed directly downgradient of the former landfill (or within the outer fringes of the former quarry fill area) at the Site (Table 2) indicate VOCs (chloroethane, benzene, toluene,

chlorobenzene, xylene), SVOCs (naphthalene), pesticides (aldrin, alpha-chlordane, dieldrin, and gamma-chlordane), and PCBs (Aroclor 1260) above the respective GWS.

The analytical results of the groundwater samples collected from upgradient monitoring well MW-5 and monitoring well MW-2 (approximate upgradient landfill edge) were less than NYSDEC GWS;

Based on these results, three additional downgradient monitoring wells (MW-6, MW-7, and MW-8) were installed near the southern property boundary. As expected, no fill material was encountered in the borings advanced prior to monitoring well construction. No exceedances of NYSDEC GWS were reported in groundwater sample results from these wells. Furthermore, no detections of pesticides or PCBs were reported. Given these results, it is apparent that the constituent levels detected immediately downgradient of the landfill do not pose a threat to groundwater beyond the property boundary. The absence of these constituents above NYSDEC standards at the property boundary is likely attributable to natural attenuation or dispersion.

5.3 Conclusions

The fill material noted at the Site was encountered in borings SB-1, SB-3, and SB-4 and appears to be marginally contaminated.

Groundwater constituents detected in excess of NYSDEC GWS appear to be related to the former landfill based on upgradient well results. However, groundwater impacts are naturally attenuating or dispersing prior to reaching the downgradient property boundary, indicating that the constituents detected in groundwater at the Site do not appear to pose a current threat to potential downgradient receptors.

Tables

Table 1
1121 Jerusalem Ave.
Uniondale, New York
Summary of Well Construction Details
March 2006 Water Levels

Monitoring Point ID	Date of Well Installation	Date of Measurement	Reference Elevation TOC feet MSL	Depth to Groundwater feet below TOC	Groundwater Elevation feet above MSL	Total Well Depth	Screen Interval (feet)
MW-1	1/30/2006	3/22/06	52.60	20.56	32.04	48.1	38-48
MW-2	1/31/2006	3/22/06	49.06	16.33	32.73	49.8	40-50
MW-3	2/1/2006	3/22/06	52.59	20.56	32.03	31.7	17-32
MW-4	2/2/2006	3/22/06	51.55	19.52	32.03	32.9	18-33
MW-5	2/2/2006	3/22/06	49.62	16.91	32.71	28.8	13-28
MW-6	3/20/2006	3/22/06	46.69	15.39	31.30	30.0	12-30
MW-7	3/20/2006	3/22/06	46.62	18.21	28.41	30.0	15-30
MW-8	3/20/2006	3/22/06	49.97	18.41	31.56	30.0	15-30

Notes:

NM - Not Measured

NA - Not Applicable

TOC - Top of Casing

MSL - Mean Sea Level

Table 2
Summary of Detected Results in Soil
Uniondale Shopping Center
Uniondale, New York
Volatile Organic Compounds

ID		SB-1SS-1			SB-2SS-3			SB-3SS-2			SB-3SS-8			SB-4-SS-1		
Date Sampled		1/30/2006			1/31/2006			2/1/2006			2/1/2006			2/2/2006		
Method (units)	NYSDEC RSCO* (mg/kg)	SW846 8260B (mg/kg)			SW846 8260B (mg/kg)			SW846 8260B (mg/kg)			SW846 8260B (mg/kg)			SW846 8260B (mg/kg)		
		Result		Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Ethylbenzene	5.5	ND		0.0054	ND		0.0056	0.002	J	0.0054	0.09	J	0.28	ND		0.0057
Toluene	1.5	ND		0.0054	0.0007	J	0.0056	0.0007	J	0.0054	ND		0.28	ND		0.0057
Total TIC		0.999	J		0.164			0.261	J		119.9	J		ND		

Notes:
NYSDEC RSCO - New York State Department of Environmental Conservation Recommended Soil Cleanup Objective per TAGM #4046
*As per TAGM # 4046, Total VOCs <10 mg/kg
ND - No Detection Reported
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: BRB Date: 3/2/2006

Table 2
Summary of Detected Results in Soil
Uniondale Shopping Center
Uniondale, New York
Semivolatile Organic Compounds

SOIL (SVOC)

ID		SB-1SS-1			SB-2SS-3			SB-3SS-2			SB-3SS-8			SB-4-SS-1		
Date Sampled		1/30/2006			1/31/2006			2/1/2006			2/1/2006			2/2/2006		
Method (units)	NYSDEC RSCO (mg/kg)	SW846 8270C (mg/kg)			SW846 8270C (mg/kg)			SW846 8270C (mg/kg)			SW846 8270C (mg/kg)			SW846 8270C (mg/kg)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	50 **	ND		0.35	ND		0.37	0.13	J	0.36	ND		0.37	ND	U	0.38
Anthracene	50 **	ND		0.35	ND		0.37	0.32	J	0.36	ND		0.37	ND	U	0.38
Benz(a)anthracene	0.224 or MDL	0.068	J	0.35	ND		0.37	**0.73**		0.36	ND		0.37	ND	U	0.38
Benzo(a)pyrene	0.061 or MDL	**0.064**	J	0.35	ND		0.37	**0.64**		0.36	ND		0.37	ND	U	0.38
Benzo(b)fluoranthene	1.1	0.059	J	0.35	ND		0.37	0.57		0.36	ND		0.37	ND	U	0.38
Benzo(ghi)perylene	50 **	ND		0.35	ND		0.37	0.19	J	0.36	ND		0.37	ND	U	0.38
Benzo(k)fluoranthene	1.1	0.067	J	0.35	ND		0.37	0.73		0.36	ND		0.37	ND	U	0.38
bis(2-Ethylhexyl)phthalate	50 **	0.95		0.35	0.28	J	0.37	1.9		0.36	2.9		0.37	0.37	J	0.38
Chrysene	0.4	0.064	J	0.35	ND		0.37	**0.77**		0.36	ND		0.37	ND	U	0.38
Dibenz(a,h)anthracene	0.014 or MDL	ND		0.35	ND		0.37	**0.068**	J	0.36	ND		0.37	ND	U	0.38
Di-n-butyl phthalate	8.1	ND		0.35	ND		0.37	ND		0.36	0.04	J	0.37	ND	U	0.38
Di-n-octylphthalate	50 **	0.27	J	0.35	ND		0.37	0.25	J	0.36	ND		0.37	ND	U	0.38
Fluoranthene	50 **	0.12	J	0.35	ND		0.37	1.5		0.36	ND		0.37	ND	U	0.38
Fluorene	50 **	ND		0.35	ND		0.37	0.17	J	0.36	ND		0.37	ND	U	0.38
Indeno (1,2,3-cd)pyrene	3.2	0.032	J	0.35	ND		0.37	0.22	J	0.36	ND		0.37	ND	U	0.38
Naphthalene	13	ND		0.35	ND		0.37	0.036	J	0.36	1		0.37	ND	U	0.38
Phenanthrene	50 **	0.076	J	0.35	ND		0.37	1.3		0.36	0.11	J	0.37	ND	U	0.38
Pyrene	50 **	0.013	J	0.35	ND		0.37	1.6		0.36	ND		0.37	ND	U	0.38
Total TICs		5.64			46.08	J		21.49	J		72.10	J		5.31	J	

Notes:
NYSDEC RSCO - New York State Department of Environmental Conservation Recommended Soil Cleanup Objective per TAGM #4046
** As per TAGM #4046, Total VOCs < 10 ppm, Total Semi-VOCs < 500 ppm, and Individual Semi-VOCs < 50 ppm.
ND - No Detection Reported
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: BRB Date: 3/2/2006

Table 2
Summary of Detected Results in Soil
Uniondale Shopping Center
Uniondale, New York
Inorganics

SOIL (METALS)

ID		SB-1SS-1			SB-2SS-3			SB-3SS-2			SB-3SS-8			SB-4-SS-1		
Date Sampled		1/30/2006			1/31/2006			2/1/2006			2/1/2006			2/2/2006		
Method (units)	NYSDEC RSCO (mg/kg)	SW846 6010B (mg/kg)			SW846 6010B (mg/kg)			SW846 6010B (mg/kg)			SW846 6010B (mg/kg)			SW846 6010B (mg/kg)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Antimony	SB	0.34	J	1.1	0.80	J	1	0.51	J	1	0.16	J	1.1	0.16	J	1.1
Arsenic	7.5 or SB	0.88	*J	1.1	2.8	*	1	3.0	*	1	0.53	*J	1.1	0.29	*J	1.1
Beryllium	0.16 or SB	0.15	J	0.54	**0.21**	J	0.52	**0.18**	J	0.52	0.08	J	0.53	0.06	J	0.57
Cadmium	1 or SB	ND		0.54	ND		0.52	0.06	J	0.52	ND		0.53	ND		0.57
Chromium	10 or SB	5.1		1.1	**39.0**		1	7.8		1	3.8		1.1	2.2		1.1
Copper	25	5.1	*	0.54	3.7	*	0.52	13.7	*	0.52	1.6	*	0.53	1.2	*	0.57
Lead	SB **	15.6	*E	0.32	3.2	*E	0.31	21.7	*E	0.31	1.2	*E	0.32	1.1	*E	0.34
Mercury	0.1	ND		0.036	ND		0.037	0.035		0.033	ND		0.035	0.019		0.038
Nickel	13	ND		4.3	1.8	J	4.2	5.9		4.1	2.2	J	4.3	1.1	J	4.6
Selenium	2	ND		0.54	0.34	N	0.52	ND		0.52	ND		0.53	ND		0.57
Silver	SB	ND		0.54	0.09	J	0.52	ND		0.52	ND		0.53	ND		1.1
Thallium	SB	0.73	JN	1.1	0.41	JN	1	ND		1	ND		1.1	ND		1.1
Zinc	20	**330**	*	2.2	10.1	*	2.1	35.2	*	2.1	4.9	*	2.1	1.6	*J	2.3

Notes:
NYSDEC RSCO - New York State Department of Environmental Conservation Recommended Soil Cleanup Objective per TAGM #4046
SB - Site Background
**Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 mg/kg.
Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 mg/kg.
* - Indicates analysis is not within the quality control limits.
ND - No Detection Reported.
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
E - Indicates a value estimated or not reported due to the presence of interferences.
N - Indicates spike sample recovery is not within the quality control limits.

Table Checked by: BRB Date: 3/2/2006

Table 2
Summary of Detected Results in Soil
Uniondale Shopping Center
Uniondale, New York
Pesticides and PCBs

ID		SB-1SS-1			SB-2SS-3			SB-3SS-2			SB-3SS-8			SB-4-SS-1		
Date Sampled		1/30/2006			1/31/2006			2/1/2006			2/1/2006			2/2/2006		
Method (units)	NYSDEC RSCO (mg/kg)	SW846 8081A (mg/kg)			SW846 8081A (mg/kg)			SW846 8081A (mg/kg)			SW846 8081A (mg/kg)			SW846 8081A (mg/kg)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
4,4'-DDD	2.9	0.073		0.009	.022		0.0019	0.0064		0.0018	ND		0.019	ND		0.0019
4,4'-DDE	2.1	0.025		0.0045	0.0034	P	0.00092	0.0049		0.0009	ND		0.0092	ND		0.00094
4,4'-DDT	2.1	0.019		13	0.0034	P	0.0028	ND		0.0027	0.074	P	0.028	ND		0.0028
Dieldrin	0.044	0.0046		0.0045	ND		0.00092	0.00097	P	0.0009	0.0091	J	0.0092	ND		0.00094
Endosulfan I	0.9	ND		0.0045	0.00077	JP	0.00092	ND		0.0009	ND		0.0092	ND		0.00094
Heptachlor	0.1	ND		0.0023	ND		0.00047	0.00042	J	0.00046	ND		0.00047	ND		0.00048
Heptachlor Epoxide	0.02	ND		0.0023	0.0011	P	0.00047	ND		0.00046	ND		0.00047	ND		0.00048
Methoxychlor	*	ND		0.022	ND		0.0046	0.005		0.0045	ND		0.046	ND		0.0047
gamma-Chlordane	0.54 **	0.011		0.0023	.0041	P	0.00047	0.0035		0.00046	0.01	P	0.00047	0.00024	J	0.00048
alpha-Chlordane	0.54 **	0.01		0.0045	0.0057	P	0.00092	0.0062	P	0.0009	0.0048	J	0.0092	ND		0.00094
Total PCBs	***	ND			0.044			ND			2.4			ND		

Notes:
NYSDEC RSCO - New York State Department of Environmental Conservation Recommended Soil Cleanup Objective per TAGM #4046
** There is no distinction between gamma-Chlordane and alpha-Chlordane.
*** RSCO is 1 mg/kg at surface and 10 mg/kg in subsurface.
ND - No Detection Reported
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

Table Checked by: BRB Date: 3/2/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale, New York
Volatile Organic Compounds

ID		MW-1			MW-2			MW-3			MW-4		
Date Sampled	Standards/Criteria	2/9/2006			2/9/2006			2/9/2006			2/9/2006		
Method (units)	NYSDEC (µg/L)	SW846 8260B (µg/L)			SW846 8260B (µg/L)			SW846 8260B (µg/L)			SW846 8260B (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Chloroethane	50	ND		5	ND		5	ND		5	**87**		5
1,1-Dichloroethane	5	ND		5	ND		5	ND		5	4.6	J	5
Chloroform	7	ND		5	2.1	J	5	ND		5	ND		5
Benzene	1	**4.8**	J	5	ND		5	**12**		5	**27**		5
1,2-Dichloroethane	5	ND		5	ND		5	ND		5	1.8	J	5
Toluene	5	ND		5	ND		5	ND		5	**140**		5
Chlorobenzene	5	**37**		5	ND		5	**28**		5	2.7	J	5
Ethylbenzene	5	ND		5	ND		5	**18**		5	**130**		5
Tetrachloroethene	5	ND		5	ND		5	ND		5	ND		5
Trichloroethene	5	ND		5	ND		5	ND		5	ND		5
Vinyl Chloride	2	ND		5	ND		5	ND		5	ND		5
cis-1,2-Dichloroethene	NS	NA		NA	NA		NA	NA		NA	NA		NA

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
NS - No Standard.
ND - No Detection Reported.
NA - The analyte was not analyzed.
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: PLB Date: 3/9/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale, New York
Volatile Organic Compounds

ID		MW-5			MW-6			MW-7			MW-8		
Date Sampled	Standards/Criteria	2/9/2006			3/22/2006			3/22/2006			3/22/2006		
Method (units)	NYSDEC (µg/L)	SW846 8260B (µg/L)			SW846 8260B (µg/L)			SW846 8260B (µg/L)			SW846 8260B (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Chloroethane	50	ND		5	ND		5.0	7.1		5.0	ND		5.0
1,1-Dichloroethane	5	ND		5	ND		5.0	1.7	J	5.0	ND		5.0
Chloroform	7	ND		5	ND		5.0	ND		5.0	ND		5.0
Benzene	1	ND		5	ND		1.0	0.9	J	1.0	ND		1.0
1,2-Dichloroethane	5	ND		5	ND		2.0	ND		2.0	ND		2.0
Toluene	5	ND		5	ND		5.0	ND		5.0	ND		5.0
Chlorobenzene	5	ND		5	2.4	J	5.0	ND		5.0	ND		5.0
Ethylbenzene	5	ND		5	ND		4.0	ND		4.0	ND		4.0
Tetrachloroethene	5	ND		5	ND		1.0	ND		1.0	0.5	J	1.0
Trichloroethene	5	ND		5	ND		1.0	1.4		1.0	ND		1.0
Vinyl Chloride	2	ND		5	ND		5.0	1.4	J	5.0	ND		5.0
cis-1,2-Dichloroethene	NS	NA		NA	ND		5.0	2.2	J	5.0	ND		5.0

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
NS - No Standard.
ND - No Detection Reported.
NA - The analyte was not analyzed.
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: PLB Date: 3/9/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale New York
Semivolatile Organic Compounds

ID		MW-1			MW-2			MW-3			MW-4		
Date Sampled	Standards/Criteria	2/9/2006			2/9/2006			2/9/2006			2/9/2006		
Method (units)	NYSDEC (µg/L)	SW846 8270C (µg/L)			SW846 8270C (µg/L)			SW846 8270C (µg/L)			SW846 8270C (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	20	3.4	J	10	ND		10	1.5	J	10	ND		10
Anthracene	50	1.4	J	10	ND		10	ND		10	ND		10
bis(2-Ethylhexyl)phthalate	50	5.7	J	10	4.6	J	10	19		10	2.1	J	10
Di-n-butyl phthalate	50	ND		10	ND		10	1.6	J	10	ND		10
Fluorene	50	4.2	J	10	ND		10	1	J	10	ND		10
Naphthalene	10	ND		10	ND		10	**66**		10	4.8	J	10
N-Nitrosodiphenylamine (1)	NS	2.4	J	10	ND		10	3.9	J	10	ND		10
Phenanthrene	50	9.4	J	10	ND		10	1.3	J	10	ND		10

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
(1) Cannot be separated from Diphenylamine.
ND - No Detection Reported
NS - No Standard
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: PLB Date: 3/9/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale New York
Semivolatile Organic Compounds

ID		MW-5			MW-6			MW-7			MW-8		
Date Sampled	Standards/Criteria	2/9/2006			3/22/2006			3/22/2006			3/22/2006		
Method (units)	NYSDEC (µg/L)	SW846 8270C (µg/L)			SW846 8270C (µg/L)			SW846 8270C (µg/L)			SW846 8270C (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Acenaphthene	20	ND		10	ND		10	ND		10	ND		10
Anthracene	50	ND		10	ND		10	ND		10	ND		10
bis(2-Ethylhexyl)phthalate	50	1.6	J	10	ND		10	ND		10	ND		10
Di-n-butyl phthalate	50	ND		10	ND		10	ND		10	ND		10
Fluorene	50	ND		10	ND		10	ND		10	ND		10
Naphthalene	10	ND		10	ND		10	ND		10	ND		10
N-Nitrosodiphenylamine (1)	NS	ND		10	ND		10	0.5	J	10	ND		10
Phenanthrene	50	ND		10	1.9	J	10	0.3	J	10	1.7	J	10

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
(1) Cannot be separated from Diphenylamine.
ND - No Detection Reported
NS - No Standard
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

Table Checked by: PLB Date: 3/9/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale, New York
Metals

ID		MW-1			MW-2			MW-3			MW-4			MW-5		
Date Sampled	Standards/Criteria	2/9/2006			2/9/2006			2/9/2006			2/9/2006			2/9/2006		
Method (units)	NYSDEC (µg/L)	SW846 6010B (µg/L)			SW846 6010B (µg/L)			SW846 6010B (µg/L)			SW846 6010B (µg/L)			SW846 6010B (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
Antimony	3	1.2	B	10	ND		10	2.4	B	10	ND		10	ND		10
Arsenic	25	ND		10	ND		10	6.8	B	10	ND		10	ND		10
Chromium	50	6.2	B	10	1.9	B	10	11.1		10	4	B	10	1.3	B	10
Copper	200	1.9	B	5	1.8	B	5	6.4		5	1.3	B	5	0.72	B	5
Nickel	100	5.2	B	40	1.7	B	40	7.6	B	40	2.6	B	40	4.1	B	40
Thallium	NS	8	B	10	ND		10	ND		10	ND		10	ND		10
Zinc	NS	42.3		20	10.2	B	20	16.3	B	20	7.5	B	20	13.3	B	20
Cyanide	200	2	B	10	ND		10	4.1	B	10	ND		10	ND		10

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
ND - No Detection Reported
B - Result is estimated
NS - No Standard

MW-6, MW-7 and MW-8 were not analyzed for TAL Metals

Table Checked by: PLB Date: 3/9/2006

Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale, New York
Pesticides and PCBs

ID		MW-1			MW-2			MW-3			MW-4		
Date Sampled	Standards/Criteria	2/9/2006			2/9/2006			2/9/2006			2/9/2006		
Method (units)	NYSDEC (µg/L)	SW846 8081A (µg/L)			SW846 8081A (µg/L)			SW846 8081A (µg/L)			SW846 8081A (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
4,4'-DDD	0.3	0.035	J	0.05	ND		0.05	ND		0.25	0.028	J	0.05
4,4'-DDE	0.2	0.013	JP	0.025	ND		0.025	0.1	JP	0.13	0.048	P	0.025
4,4'-DDT	0.2	ND		0.075	ND		0.075	ND		0.38	ND		0.075
Aldrin	<0.01	ND		0.016	ND		0.013	**0.028**	JP	0.063	ND		0.013
alpha-BHC	<0.05	0.017	P	0.013	ND		0.013	ND		0.063	ND		0.013
alpha-Chlordane	0.1	ND		0.025	ND		0.025	**0.15**		0.13	0.018	JP	0.025
Dieldrin	<0.01	ND		0.025	ND		0.025	**0.24**		0.13	**0.12**	P	0.025
gamma-Chlordane	0.1	0.0077	J	0.013	ND		0.013	**0.24**	P	0.063	0.016		0.013
Heptachlor	<0.01	0.015	R	0.013	ND		0.013	0.03	R	0.063	ND		0.013
Heptachlor Epoxide	<0.01	0.0027	R	0.013	ND		0.013	0.027	R	0.063	ND		0.013
PCBs (Aroclor-1260)	5	ND		0.93	ND		0.93	**69**		4.7	ND		0.93

Notes:

NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
NA - The analyte was not analyzed.
ND - No Detection Reported
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
R - Result is rejected.
P - This flag is used for a Pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

Table Checked by: PLB Date: 3/9/2006

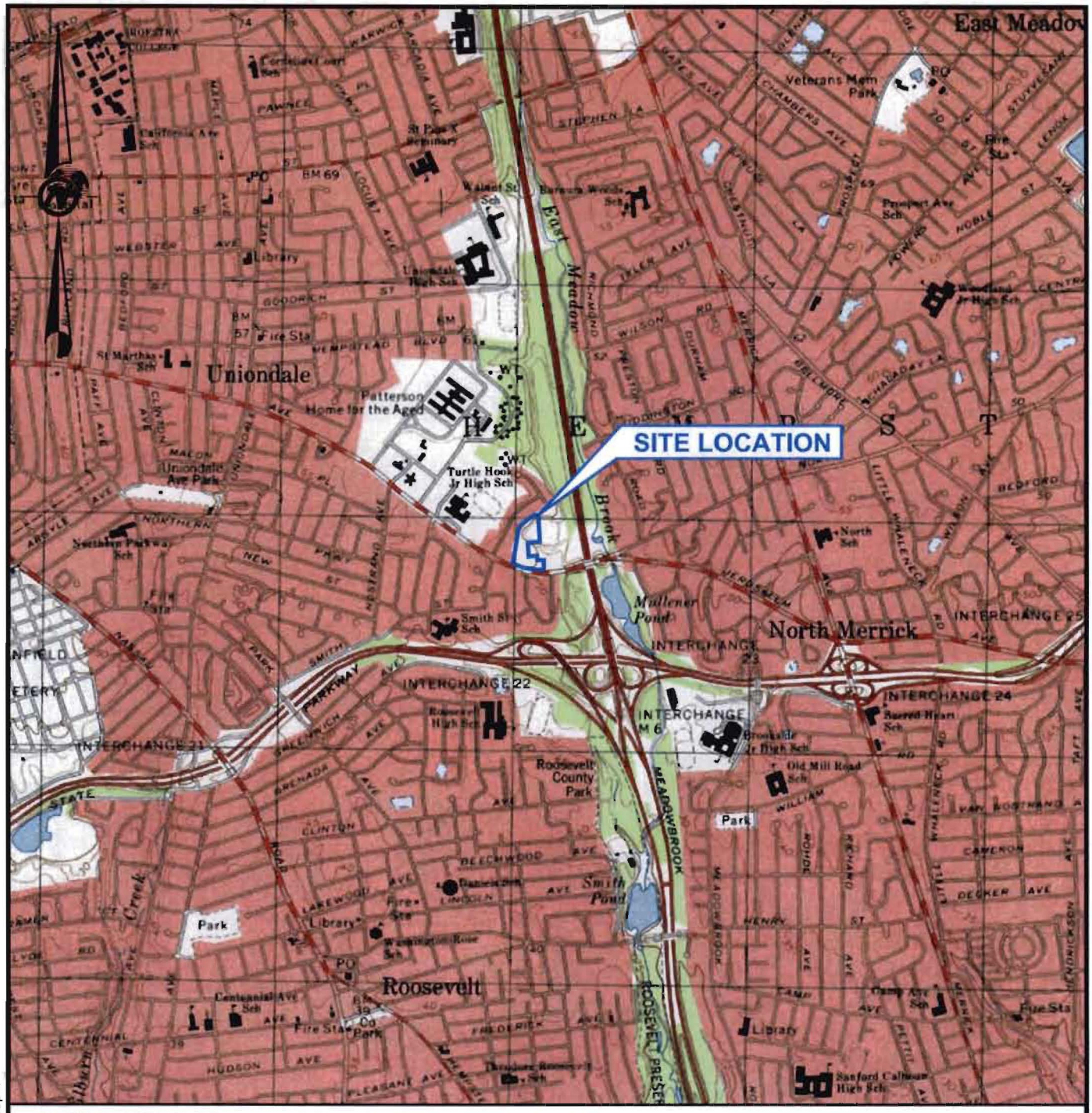
Table 3
Summary of Detected Results in Groundwater
Uniondale Shopping Center
Uniondale, New York
Pesticides and PCBs

ID		MW-5			MW-6			MW-7			MW-8		
Date Sampled	Standards/Criteria	2/9/2006			3/22/2006			3/22/2006			3/22/2006		
Method (units)	NYSDEC (µg/L)	SW846 8081A (µg/L)			SW846 8081/8082 (µg/L)			SW846 8081/8082 (µg/L)			SW846 8081/8082 (µg/L)		
		Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit	Result	Qualifier	Rept Limit
4,4'-DDD	0.3	ND		0.05	ND		0.05	ND		0.05	ND		0.05
4,4'-DDE	0.2	ND		0.025	ND		0.05	ND		0.05	ND		0.05
4,4'-DDT	0.2	0.018	J	0.075	ND		0.05	ND		0.05	ND		0.05
Aldrin	<0.01	ND		0.013	ND		0.05	ND		0.05	ND		0.05
alpha-BHC	<0.05	ND		0.013	ND		0.05	ND		0.05	ND		0.05
alpha-Chlordane	0.1	ND		0.025	NA		NA	NA		NA	NA		NA
Dieldrin	<0.01	ND		0.025	ND		0.05	ND		0.05	ND		0.05
gamma-Chlordane	0.1	0.02	P	0.013	ND		0.5	ND		0.5	ND		0.5
Heptachlor	<0.01	ND		0.013	ND		0.05	ND		0.05	ND		0.05
Heptachlor Epoxide	<0.01	ND		0.013	ND		0.05	ND		0.05	ND		0.05
PCBs (Aroclor-1260)	5	ND		0.93	ND		0.5	ND		0.5	ND		0.5

Notes:
NYSDEC - New York State Department of Environmental Conservation Groundwater Standards/Criteria per 6 NYCRR Part 703.
NA - The analyte was not analyzed.
ND - No Detection Reported
J - The analyte was reported above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.
R - Result is rejected.
P - This flag is used for a Pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported.

Table Checked by: PLB Date: 3/9/2006

Figures



REFERENCES

1.) MAP TAKEN FROM U.S.G.S. 7.5 MINUTE QUADRANGLE OF FREEPORT, NEW YORK, DATED 1994.

2000 0 2000

SCALE FEET

NJ Authorization #24GA28029100

Golder Associates
Philadelphia USA

FILE No.	0536388B001
PROJECT No.	053-6388
REV.	0

SCALE	AS SHOWN
DATE	04/25/07
DESIGN	CDH
CADD	AM
CHECK	KMB
REVIEW	CDH

TITLE

SITE LOCATION MAP
1121 JERUSALEM AVENUE
UNIONDALE, NY 11553

NORTHWESTERN MUTUAL LIFE

FIGURE 1

Drawing file: 0536388B001.dwg Apr 25, 2007 - 2:03pm

Drawing file: 0536388B002.dwg Apr 25, 2007 - 2:01pm

LEGEND

PROPERTY LINE

MONITORING WELL

100 0 100

SCALE FEET

REFERENCES

1.) PROPERTY LINE AND MONITORING WELLS TAKEN FROM CAD FILE 060127-WELLS.DWG, TITLED "MONITOR WELL LOCATION SURVEY," PROVIDED BY ROBERT A. RYAN PROFESSIONAL LAND SURVEYOR.

2.) BASE MAP TAKEN FROM IMAGE FILE, UNIONDALE - ALTA/ACSM LAND TITLE SURVEY (BARRETT, BONACCI, HYMAN & VAN WEELE) AS PROVIDED BY NML.

3.) HORIZONTAL DATUM: NEW YORK LONG ISLAND STATE PLANE COORDINATE SYSTEM (NAD 83); VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

FIGURE 2

REVIEW	CDH	04/25/07
CHECK	KMB	04/25/07
CADD	AM	04/25/07
DESIGN	CDH	04/10/06
REV. 0	SCALE AS SHOWN	
FILE No.	0536388B002	
PROJECT No.	053-6388	

TITLE

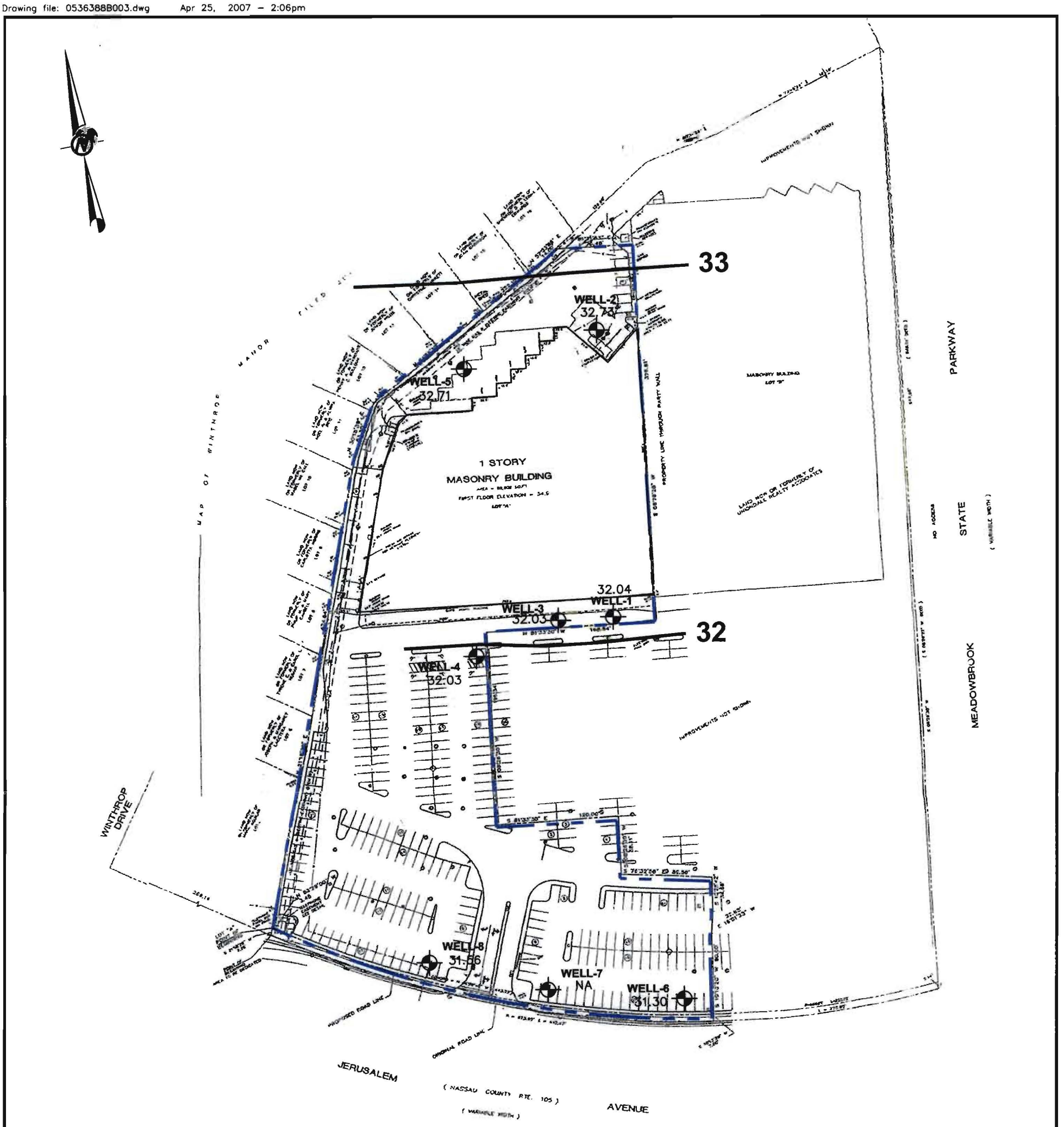
SITE LAYOUT MAP

PROJECT

NORTHWESTERN MUTUAL LIFE
UNIONDALE SHOPPING CENTRE
UNIONDALE, NASSAU COUNTY, NEW YORK

Golder Associates
Philadelphia USA

Drawing file: 0536388B003.dwg Apr 25, 2007 - 2:06pm



LEGEND

- PROPERTY LINE
- 32 — INTERPRETED POTENTIOMETRIC CONTOURS
- MONITORING WELL

100 0 100
SCALE FEET

REFERENCES

1.) PROPERTY LINE AND MONITORING WELLS TAKEN FROM CAD FILE 060127-WELLS.DWG, TITLED "MONITOR WELL LOCATION SURVEY," PROVIDED BY ROBERT A. RYAN PROFESSIONAL LAND SURVEYOR.

2.) BASE MAP TAKEN FROM IMAGE FILE, UNIONDALE - ALTA/ACSM LAND TITLE SURVEY (BARRETT, BONACCI, HYMAN & VAN WEELE) AS PROVIDED BY NML.

3.) HORIZONTAL DATUM: NEW YORK LONG ISLAND STATE PLANE COORDINATE SYSTEM (NAD 83); VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

FIGURE 3

REVIEW	CDH 04/25/07
CHECK	KMB 04/25/07
CADD	AM 04/25/07
DESIGN	CDH 04/10/06
REV. 0	SCALE AS SHOWN
FILE No.	0536388B003
PROJECT No.	053-6388

TITLE

INTERPRETED POTENTIOMETRIC SURFACE MAP

PROJECT

NORTHWESTERN MUTUAL LIFE
UNIONDALE SHOPPING CENTRE
UNIONDALE, NASSAU COUNTY, NEW YORK

Golder Associates
Philadelphia USA

APPENDIX A

SOIL BORING LOGS AND MONITORING WELL INSTALLATION LOGS

RECORD OF BOREHOLE SB-1

SHEET 1 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 48.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 59
DATE STARTED: 1/30/06
DATE COMPLETED: 1/30/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,882.2 E: 1,101,099.5
GS ELEVATION: 52.9 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 55 F

INCLINATION: -90
DEPTH W.L.: 48.1 ft
ELEVATION W.L.: 4.5 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
0		0.0 - 0.5 ASPHALT			52.4							
		0.5 - 2.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			0.5 / 50.9	1	SPT	0.0	10 -25 -35		1.5 / 1.5	
	50	2.0 - 4.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			2.0 / 48.9	2	SPT	0.0	7 -6 -5 -3		0.8 / 2.0	
5		4.0 - 6.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			4.0 / 46.9	3	SPT	0.0	4 -3 -2 -2		0.5 / 2.0	
		6.0 - 8.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			6.0 / 44.9	4	SPT	0.0	3 -3 -4 -5		0.3 / 2.0	
	45	8.0 - 10.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			8.0 / 42.9	5	SPT	0.0	7 -10 -12 -9		0.3 / 2.0	
10		10.0 - 12.0 Grayish brown fine to medium sand, some silty clay with small rounded cobblesand wood fragments, dry to moist (FILL)			10.0 / 40.9	6	SPT	0.0	4 -4 -4 -8		0.3 / 2.0	
	40	12.0 - 14.0 Gray fine to medium SAND with some concrete fragments, wire, and rounded gravels, moist	SP		12.0 / 38.9	7	SPT	10.8	8 -12 -14 -18		0.3 / 2.0	
15		14.0 - 16.0 Gray fine to medium SAND with some concrete fragments, wire, and rounded gravels, moist	SP		14.0 / 36.9	8	SPT	12.2	15 -20 -24 -49		0.3 / 2.0	
		16.0 - 18.0 NO RECVOERY; presumed SAND			16.0 / 34.9	9	SPT	3.1	25 -30 -30 -19		0.0 / 2.0	
	35	18.0 - 20.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel, moist to wet	SP		18.0 / 32.9	10	SPT		5 -6 -8 -10		0.3 / 2.0	
20		20.0 - 22.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel, moist to wet	SP		20.0 / 30.9	11	SPT	16.9	10 -6 -6 -11		0.3 / 2.0	
	30	22.0 - 24.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel, moist to wet	SP		22.0 / 28.9	12	SPT	1.2	10 -9 -11 -8		1.0 / 2.0	
25		24.0 - 26.0 Black and gray fine to medium SAND with trace silty clay and fine to coarse gravel, wet	SP		24.0 / 26.9	13	SPT	1.2	4 -3 -2 -2		0.5 / 2.0	
		26.0 - 28.0 Black and gray fine to medium SAND with trace silty clay and fine to coarse gravel, wet	SP		26.0 / 24.9	14	SPT	0.0	10 -8 -6 -5		1.0 / 2.0	
	25	28.0 - 30.0 Black and gray fine to medium SAND with trace silty clay and fine to coarse gravel, wet	SP		28.0 / 22.9	15	SPT	4.7	10 -8 -7 -9		1.3 / 2.0	
30		30.0 - 32.0 Black and gray fine to medium SAND with trace silty clay and fine to coarse gravel and brick, wet	SP		30.0 / 20.9	16	SPT	0.0	6 -5 -5 -4		1.3 / 2.0	
	20	32.0 - 34.0 Black and gray fine to medium SAND with trace silty clay and fine to coarse gravel, wet	SP		32.0 / 18.9	17	SPT	4.7	14 -15 -12 -16		1.3 / 2.0	
35		34.0 - 36.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		34.0 / 16.9	18	SPT	0.0	20 -18 -16 -12		1.3 / 2.0	
		36.0 - 40.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		36.0	19	SPT	1.8	18 -15 -20 -23		1.3 / 2.0	
	15					20	SPT	3.5	25 -30 -30 -45		1.0 / 2.0	
40					12.9							
		Log continued on next page										

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

RECORD OF BOREHOLE SB-1

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 48.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 59
DATE STARTED: 1/30/06
DATE COMPLETED: 1/30/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,882.2 E: 1,101,099.5
GS ELEVATION: 52.9 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 55 F

INCLINATION: -90
DEPTH W.L.: 48.1 ft
ELEVATION W.L.: 4.5 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
40		40.0 - 42.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		40.0 10.9	21	SPT	4.3	25 -50/2"		1.0/2.0	
	10	42.0 - 44.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		42.0 8.9	22	SPT	0.3	20 -25 -30 -32		1.0/2.0	
45		44.0 - 46.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		44.0 6.9	23	SPT	0.0	40 -30 -50/2"		1.5/2.0	
	5	46.0 - 48.0 Yellowish brown fine to coarse SAND with fine to coarse gravel, wet	SP		46.0 4.9	24	SPT	0.0	50/2"		0.0/2.0	
50		Boring completed at 48.0 ft										
	0											
55												
	-5											
60												
	-10											
65												
	-15											
70												
	-20											
75												
	-25											
80												

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

RECORD OF BOREHOLE SB-2

SHEET 1 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 50.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 59
DATE STARTED: 1/31/06
DATE COMPLETED: 1/31/06
WEATHER: Rain

DATUM: NAD 83 and NAVD 88
COORDS: N: 193,170.8 E: 1,101,083.7
GS ELEVATION: 49.4 ft
TOC ELEVATION: 49.1 ft
TEMPERATURE: 16 F

INCLINATION: -90
DEPTH W.L.: 49.8 ft
ELEVATION W.L.: -0.7 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
0		0.0 - 0.8 CONCRETE			48.7							
		0.5 - 2.0 Yellowish brown fine to coarse SAND with some silty clay, rounded gravel, and concrete fragments, dry (FILL)			47.4	1	SPT	0.0	N/A		0.3 / 2.0	
					2.0							
		2.0 - 4.0 Yellowish brown fine to coarse SAND with some silty clay, rounded gravel, and concrete fragments, dry (FILL)			45.4	2	SPT	0.0	20 -19 -18 -16		0.3 / 2.0	
	45				4.0							
5		4.0 - 6.0 Yellowish brown fine to coarse SAND with some silty clay, rounded gravel, and concrete fragments, dry (FILL)			43.4	3	SPT	0.0	10 -8 -6 -9		0.3 / 2.0	
					6.0							
		6.0 - 8.0 Yellowish brown fine to coarse SAND and silty clay, with rounded gravel, and concrete fragments, dry (FILL)			41.4	4	SPT	0.0	2 -2 -3 -9		1.0 / 2.0	
					8.0							
	40	8.0 - 10.0 Silty CLAY and SAND with wood fragments and styrofoam (FILL)			39.4	5	SPT	0.2	15 -12 -13 -10		0.3 / 2.0	
10					10.0							
		10.0 - 12.0 NO RECOVERY; concrete fragment impeded sampling, presumed FILL			37.4	6	SPT		10 -15 -40 -18		0.0 / 2.0	
					12.0							
		12.0 - 14.0 Yellowish brown fine to coarse SAND and silty clay, with rounded gravel, and concrete fragments, dry (FILL)			35.4	7	SPT	6.1	10 -6 -4 -4		0.3 / 2.0	
15	35	14.0 - 16.0 Yellowish brown fine to coarse SAND and silty clay, with rounded gravel, and concrete fragments, dry (FILL)			14.0 33.4	8	SPT	11.1	10 -8 -7 -6		0.3 / 2.0	
		16.0 - 18.0 Wood fragments and metal scraps (FILL)			16.0 31.4	9	SPT	0.0	10 -8 -7		0.5 / 2.0	
		18.0 - 20.0 NO RECOVERY; concrete and sandstone cobble impeded sampling, presumed FILL, wet			18.0 29.4	10	SPT	2.0	7 -6 -4 -4		0.0 / 2.0	
20	30	20.0 - 22.0 Gray, yellow, and brown fine to coarse SAND with some fine to medium gravel and wood fragments	SP		20.0 27.4	11	SS	31	12 -8 -10 -11		1.0 / 2.0	
		22.0 - 24.0 Gray, yellow, and brown fine to coarse SAND with some fine to medium gravel and wood fragments	SP		22.0 25.4	12	SPT	31	12 -10 -11 -9		1.0 / 2.0	
	25	24.0 - 26.0 Yellowish brown to gray fine to coarse SAND	SP		24.0 23.4	13	SPT	6.0	16 -20 -20 -27		1.5 / 2.0	
25		26.0 - 28.0 Yellowish brown fine to coarse SAND with fine to medium gravel	SP		26.0 21.4	14	SPT	15.0	26 -30 -28 -27		2.0 / 2.0	
		28.0 - 30.0 Yellowish brown fine to coarse SAND with fine to medium gravel	SP		28.0 19.4	15	SPT	0.0	11 -14 -20 -26		1.8 / 2.0	
30	20	30.0 - 32.0 Yellowish brown fine to coarse SAND with fine to medium gravel	SP		30.0 17.4	16	SPT	0.0	10 -8 -9 -7		1.0 / 2.0	
		32.0 - 35.0 Advance to 35.0 FT BGS without sampling; SAND and GRAVEL			32.0 14.4							
35	15	35.0 - 37.0 Yellowish brown fine to coarse SAND with fine to medium gravel	SP		35.0 12.4	17	SPT	0.0	10 -12 -15 -11		1.0 / 2.0	
		37.0 - 39.0 NO SAMPLE; preseumed SAND and GRAVEL			37.0 10.4							
40	10		SP		39.0	18	SPT	0.0	10 -9 -7 -7			

Log continued on next page

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-2

SHEET 2 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 50.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 59
DATE STARTED: 1/31/06
DATE COMPLETED: 1/31/06
WEATHER: Rain

DATUM: NAD 83 and NAVD 88
COORDS: N: 193,170.8 E: 1,101,083.7
GS ELEVATION: 49.4 ft
TOC ELEVATION: 49.1 ft
TEMPERATURE: 16 F

INCLINATION: -90
DEPTH W.L.: 49.8 ft
ELEVATION W.L.: -0.7 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
40		39.0 - 41.0 Yellowish brown fine to coarse sand and fine to coarse gravel *(Continued)*	SP		8.4	18	SPT	0.0	10-9-7-7		1.0/2.0	
		41.0 - 45.0 Yellowish brown fine to coarse sand and fine to coarse gravel	SP		41.0 4.4							
45	5	45.0 - 47.0 Yellowish brown fine to coarse sand and fine to coarse gravel	SP		45.0 2.4	19	SPT	0.0	7-9-10-10		1.0/2.0	
		47.0 - 49.5 Yellowish brown fine to coarse sand and fine to coarse gravel	SP		47.0 -0.1							
50	0	49.5 - 50.0 Orange brown Silty CLAY	CL		-0.6							
		Boring completed at 50.0 ft										
55	-5											
60	-10											
65	-15											
70	-20											
75	-25											
80	-30											

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Drilling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-3

SHEET 1 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 32.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 58
DATE STARTED: 2/1/06
DATE COMPLETED: 2/1/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,878.9 E: 1,101,045.2
GS ELEVATION: 53.0 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 31.7 ft
ELEVATION W.L.: 20.9 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
0		0.0 - 1.0 ASPHALT			52.0							
		1.0 - 2.0 Grayish brown fine to medium sand some silty clay, little fine to coarse gravel, moist (FILL)			1.0 51.0	1	SPT	1.5	12 -12		1.0/1.0	
	50	2.0 - 4.0 Grayish brown fine to medium sand some silty clay, little fine to coarse gravel and wood fragments , most (FILL)			2.0 49.0	2	SPT	54	10 -12 -8 -11		0.3/2.0	
5		4.0 - 6.0 Grayish brown fine to medium sand some silty clay, little fine to coarse gravel and wood fragments , most (FILL)			4.0 47.0	3	SPT	64.2	15 -12 -10 -9		0.3/2.0	
		6.0 - 8.0 NO RECOVERY; wood fragments prevent sampling, presumed FILL			6.0 45.0	4	SPT		50/2"		0.0/2.0	
	45	8.0 - 10.0 Grayish brown fine to medium sand some silty clay, little fine to coarse gravel and wood fragments; most, slight odor (FILL)			8.0 43.0	5	SPT	360	20 -19 -15 -18		1.3/2.0	
10		10.0 - 12.0 Grayish brown fine to coarse sand with some fine to coarse gravel and little silty clay, wood fragments, and traces of brick, moist (FILL)			10.0 41.0	6	SPT	578	17 -19 -19 -21		1.3/2.0	
	40	12.0 - 14.0 Grayish brown fine to coarse sand with some fine to coarse gravel and little silty clay, wood fragments, and traces of brick, moist (FILL)			12.0 39.0	7	SPT	57	14 -18 -20 -20		1.3/2.0	
15		14.0 - 16.0 Brownish gray fine to coarse SAND and fine to coarse gravel, mosit	SP		14.0 37.0	8	SPT	48	13 -20 -15 -14		1.8/2.0	
		16.0 - 18.0 Brownish gray fine to coarse SAND and fine to coarse gravel, mosit	SP		16.0 35.0	9	SPT	0	15 -15 -16 -18		1.3/2.0	
	35	18.0 - 20.0 Brownish gray fine to coarse SAND and fine to coarse gravel; moist, slight odor	SP		18.0 33.0	10	SPT	500	28 -8 -3 -21		1.5/2.0	
20		20.0 - 22.0 Brownish gray fine to coarse SAND and fine to coarse gravel, saturated	SP		20.0 31.0	11	SPT	200	7 -7 -8 -8		0.8/2.0	
		22.0 - 24.0 Gray and black fine to coarse SAND and fine gravel; wet, odor	SP		22.0 29.0	12	SPT	630	8 -6 -6 -4		0.5/2.0	
25		24.0 - 26.0 Gray and black fine to coarse SAND and fine gravel; wet, odor	SP		24.0 27.0	13	SPT	393	20 -19 -20 -18		1.0/2.0	
		26.0 - 28.0 Gray and black fine to coarse SAND and fine gravel; wet, odor	SP		26.0 25.0	14	SPT	500	20 -23 -24 -27		1.5/2.0	
	25	28.0 - 30.0 Gray and black fine to coarse SAND and fine gravel; wet, odor	SP		28.0 23.0	15	SPT	520	7 -7 -9 -7		0.8/2.0	
30		30.0 - 32.0 Gray and black fine to coarse SAND and fine gravel; wet, odor	SP		30.0 21.0	16	SPT	2400	8 -7 -7 -6		0.8/2.0	
		32.0 - 34.0 Yellowish brown fine to coarse SAND with some fine to coarse rounded gravel, no odor	SP		32.0 19.0	17	SPT	0	6 -11 -13 -15		2.0/2.0	
35		34.0 - 36.0 Yellowish brown fine to coarse SAND with some fine to coarse rounded gravel, no odor	SP		34.0 17.0	18	SPT	14	15 -18 -21 -23		1.0/2.0	
		36.0 - 38.0 Yellowish brown fine to coarse SAND with some fine to coarse rounded gravel, no odor	SP		36.0 15.0	19	SPT	0	15 -15 -18 -19		1.8/2.0	
	15	38.0 - 40.0 Yellowish brown fine to coarse SAND with some fine to coarse rounded gravel, no odor	SP		38.0 13.0	20	SPT	1.4	18 -23 -25 -28		1.5/2.0	
40		Log continued on next page										

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

RECORD OF BOREHOLE SB-3

SHEET 2 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 32.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 58
DATE STARTED: 2/1/06
DATE COMPLETED: 2/1/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,878.9 E: 1,101,045.2
GS ELEVATION: 53.0 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 31.7 ft
ELEVATION W.L.: 20.9 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
40		40.0 - 45.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel	SP		40.0 8.0							
45	10	45.0 - 47.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel	SP		45.0 6.0	21	SPT	4.0	21 -23 -27 -27		0.0 / 2.0	
	5	47.0 - 49.0 Yellowish brown fine to coarse SAND with some fine to coarse gravel	SP		47.0 4.0	22	SPT	3.4	18 -21 -22 -21		1.5 / 2.0	
50	0	Boring completed at 32.0 ft			49.0							
55	-5											
60	-10											
65	-15											
70	-20											
75	-25											
80												

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-4

SHEET 1 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 33.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 58
DATE STARTED: 2/2/06
DATE COMPLETED: 2/2/06
WEATHER: Sunny/Breezy

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,844.4 E: 1,100,964.0
GS ELEVATION: 52.0 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 32.9 ft
ELEVATION W.L.: 19.7 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
0		0.0 - 1.0 ASSPHALT			51.0							
	50	1.0 - 2.0 Brown fine to medium SAND and Silty CLAY, little to some gravel and brick fragments, dry (FILL)			1.0 50.0	1	SPT		20 -18		1.0 1.0	
		2.0 - 4.0 Brown fine to medium SAND and Silty CLAY, little to some gravel and brick fragments, dry (FILL)			2.0 48.0	2	SPT		20 -25 -30 -33		1.0 2.0	
5		4.0 - 6.0 Brown fine to medium SAND and Silty CLAY, little to some gravel and brick fragments, dry (FILL)			4.0 46.0	3	SPT		30 -35 -40 -40		0.5 2.0	
	45	6.0 - 8.0 Yellowish brown fine to coarse SAND with some fine gravels, moist	SP		6.0 44.0	4	SPT		30 -35 -40 -44		1.0 2.0	
		8.0 - 10.0 NO RECOVERY; shale cobbles impeded sampling, presumed SAND and GRAVEL			8.0 42.0	5	SPT		9 -8 -9 -7		0.0 2.0	
10		10.0 - 12.0 Yellowish brown fine to coarse SAND and fine to coarse gravel, moist	SP		10.0 40.0	6	SPT		10 -9 -9 -8		1.0 2.0	
	40	12.0 - 14.0 Yellowish brown fine to coarse SAND and fine to coarse gravel, moist; 0.5 FT gravel zone, orange	SP		12.0 38.0	7	SPT		10 -9 -15 -11		1.0 2.0	
15		14.0 - 16.0 NO RECOVERY; shale cobbles impeded sampling, presumed SAND and GRAVEL			14.0 36.0	8	SPT		8 -7 -7 -6		0.0 2.0	
	35	16.0 - 18.0 Yellowish brown fine to coarse SAND and fine to coarse gravel, moist	SP		16.0 34.0	9	SPT		10 -11 -9 -7		1.0 2.0	
		18.0 - 20.0 Yellowish brown fine to coarse SAND and fine to coarse gravel, moist	SP		18.0 32.0	10	SPT		20 -25 -21 -22		1.5 2.0	
20		20.0 - 22.0 Yellowish brown fine to coarse SAND and fine to coarse gravel, moist	SP		20.0 30.0	11	SPT		3 -4 -5 -5		1.0 2.0	
	30	22.0 - 24.0 Grayish brown fine to coarse SAND and fine to coarse gravel, wet	SP		22.0 28.0	12	SPT		20 -15 -15 -12		1.5 2.0	
25		24.0 - 26.0 Grayish brown fine to coarse SAND and fine to coarse gravel, wet	SP		24.0 26.0	13	SPT		6 -4 -3 -3		0.0 2.0	
	25	26.0 - 28.0 NO RECOVERY; presumed SAND and GRAVEL			26.0 24.0	14	SPT		6 -8 -6 -4		1.0 2.0	
		28.0 - 30.0 Grayish brown fine to coarse SAND and fine to coarse gravel; wet, slight odor	SP		28.0 22.0	15	SPT		12 -12 -17 -15		1.5 2.0	
30		30.0 - 32.0 Grayish brown coarse SAND and fine to coarse gravel, wet	SP		30.0 20.0	16	SPT		10 -10 -8 -9		1.0 2.0	
	20	32.0 - 34.0 Grayish brown to yellowish brown coarse SAND and fine to coarse gravel, wet	SP		32.0 18.0	17	SPT		15 -14 -13 -11		1.5 2.0	
35		34.0 - 40.0 Yellowish brown SAND, coarsening down hole, and fine to coarse gravel			34.0	18	SPT		15 -14 -11 -11		1.5 2.0	
	15		SP									
40		Log continued on next page			12.0							

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/02

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-4

SHEET 2 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 33.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 58
DATE STARTED: 2/2/06
DATE COMPLETED: 2/2/06
WEATHER: Sunny/Breezy

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,844.4 E: 1,100,964.0
GS ELEVATION: 52.0 ft
TOC ELEVATION: 52.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 32.9 ft
ELEVATION W.L.: 19.7 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
40	10	40.0 - 45.0 Yellowish brown fine to coarse SAND and fine to coarse gravel	SP		40.0	19	SPT		6 -11 -9 -12		1.5/2.0	
45	5	45.0 - 47.0 Orange-brown fine to coarse SAND and fine to coarse gravel	SP		7.0 45.0 5.0	20	SPT		10 -9 -8 -8		1.5/2.0	
		47.0 - 49.0 Orange-brown fine to coarse SAND and fine to coarse gravel	SP		47.0 3.0	21	SPT		12 -15 -8 -11		1.5/2.0	
50	0	Boring completed at 33.0 ft			49.0							
55	-5											
60	-10											
65	-15											
70	-20											
75	-25											
80												

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/02

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-5

SHEET 1 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 29.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 61
DATE STARTED: 2/2/06
DATE COMPLETED: 2/2/06
WEATHER: Sunny/Breezy

DATUM: NAD 83 and NAVD 88
COORDS: N: 193,132.3 E: 1,100,950.9
GS ELEVATION: 49.9 ft
TOC ELEVATION: 49.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 28.8 ft
ELEVATION W.L.: 20.8 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
0		0.0 - 0.5 ASPHALT			49.4							
		0.5 - 2.0 Brown fine to medium SAND with trace fine gravel and wood fragments, dry			0.5 / 47.9	1	SPT		29 -21 -22		1.3 / 1.5	
		2.0 - 2.5 Black SILT and SAND with wood fragments, slight odor	SP-SM		47.4 / 2.5	2	SPT	4.5	15 -21 -16 -12		1.5 / 2.0	
5	45	2.5 - 4.0 Orange brown fine to coarse SAND with trace quartz gravel	SP		45.9 / 4.0	3	SPT	0.0	5 -7 -5 -4		1.0 / 2.0	
		4.0 - 6.0 Orange brown fine to coarse SAND with little fine gravel	SP		43.9 / 6.0	4	SPT	0.0	4 -6 -9 -12		0.5 / 2.0	
		6.0 - 8.0 Orange brown fine to medium SAND with trace coarse sand and fine gravel	SP		41.9 / 8.0	5	SPT	0.0	29 -22 -17 -23		1.0 / 2.0	
10	40	8.0 - 10.0 Orange fine to coarse SAND with trace fine quartz gravel	SP		39.9							
		10.0 - 10.5 Orange fine to coarse SAND with trace fine gravel	SP		39.4 / 10.5	6	SPT	18.0	7 -12 -16 -16		1.4 / 2.0	
		10.5 - 12.0 Orange fine SAND	SP		37.9 / 12.0	7	SPT	2.0	19 -22 -26 -17		1.4 / 2.0	
		12.0 - 14.0 Orange fine SAND with little fine quartz gravel	SP		35.9 / 14.0	8	SPT	9.0	21 -16 -11 -15		1.2 / 2.0	
15	35	14.0 - 15.0 Orange fine to medium SAND with minor brown silt and trace fine gravel	SP		34.9 / 15.0							
		15.0 - 16.0 Brown fine to coarse SAND with little to trace fine gravel	SP		33.9 / 16.0	9	SPT	2.0	25 -15 -15 -16		1.5 / 2.0	
		16.0 - 18.0 Orange brown medium to coarse SAND with little fine gravel and trace fine sand, saturated at 17.0 FT BGS	SP		31.9 / 18.0	10	SPT	0.5	17 -19 -16 -13		1.0 / 2.0	
20	30	18.0 - 20.0 Brown fine to coarse SAND with some to little fine to medium quartz gravel, saturated	SP		29.9 / 20.0	11	SPT	0.6	11 -6 -6 -9		1.2 / 2.0	
		20.0 - 22.0 Brown fine to coarse SAND and fine quartz gravel	SP		27.9 / 22.0	12	SPT	0.0	6 -7 -7 -11		1.8 / 2.0	
		22.0 - 23.0 Brown fine to coarse SAND and fine quartz gravel	SP		26.9 / 23.0							
		23.0 - 24.0 Brown fine to medium SAND with trace fine quartz gravel	SP		25.9 / 24.0	13	SPT	0.0	4 -5 -7 -5		0.8 / 2.0	
25	25	24.0 - 25.0 Brown fine to medium SAND with trace fine quartz gravel	SP-SM		24.9 / 25.0	14	SPT	0.0	6 -11 -17 -18		1.5 / 2.0	
		25.0 - 26.0 Orange and brown micaceous SILT and fine SAND	SP-SM		23.9 / 26.0							
		26.0 - 27.0 Orange and brown micaceous SILT and fine SAND with red staining	SP		22.9 / 27.0	15	SPT	3.5	7 -10 -9 -10		2.0 / 2.0	
		27.0 - 28.0 Orange fine to medium SAND with trace fine gravel and fine sand	SP		21.9 / 28.0							
30	20	28.0 - 29.0 Orange fine to medium SAND with trace fine gravel and fine sand	SP		20.9 / 29.0	16	SPT	0.0	11 -6 -6 -11		1.0 / 2.0	
		29.0 - 30.0 Orange fine to coarse SAND with trace fine gravel; 0.5 FT gravel zone at 29.0 FT BGS	SP		19.9 / 30.0							
		30.0 - 32.0 Brown fine to medium SAND with 4.0 IN of fine to medium gravel at 31.0 FT BGS	SP		17.9 / 32.0							
35	15	32.0 - 36.0 AUGER to 36.0 FT BGS, no sample; presumed SAND	SP		13.9 / 36.0	17	SPT	0.0	18 -22 -23 -17		1.8 / 2.0	
		36.0 - 38.0 Brown fine to medium SAND with fine to coarse fine gravel	SP		11.9 / 38.0							
		38.0 - 39.0 Fine to medium SAND	SP		10.9 / 39.0	18	SPT	0.0	23 -22 -17 -23		1.4 / 2.0	
40	10	39.0 - 40.0			9.9							

Log continued on next page

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-5

SHEET 2 of 2

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 29.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Hollow-stem auger
DRILL RIG: Mobile 61
DATE STARTED: 2/2/06
DATE COMPLETED: 2/2/06
WEATHER: Sunny/Breezy

DATUM: NAD 83 and NAVD 88
COORDS: N: 193,132.3 E: 1,100,950.9
GS ELEVATION: 49.9 ft
TOC ELEVATION: 49.6 ft
TEMPERATURE: 45 F

INCLINATION: -90
DEPTH W.L.: 28.8 ft
ELEVATION W.L.: 20.8 ft
DATE W.L.: 2/6/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE DESCRIPTION	USCS	GRAPHIC LOG	ELEV. DEPTH (ft)	SAMPLES NUMBER	TYPE	PID (ppm)	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	COMMENTS
40		Orange fine to medium SAND with trace fine gravel	SP		40.0	19	SPT	0.0	22 -26 -17 -21		1.7/2.0	
		40.0 - 42.0 Brown and orange fine to medium SAND with little coarse sand and gravel			7.9							
		42.0 - 44.0 Brown and orange fine to medium SAND with little coarse sand and gravel	SP		42.0 5.9	20	SPT	0.0	29 -32 -33 -26		1.0/2.0	
45	5	44.0 - 46.0 Orange fine to medium SAND with trace coarse SAND and fine gravel, iron staining evident	SP		44.0 3.9	21	SPT	0.0	8 -14 -14 -20		1.8/2.0	
		46.0 - 48.0 Orange fine to medium SAND with trace coarse SAND and fine gravel, iron staining evident	SP		46.0 1.9	22	SPT	0.0	14 -17 -14 -17		2.0/2.0	
		48.0 - 50.0 Orange fine to medium SAND with little to trace fine gravel and trace coarse sand, iron staining evident	SP		48.0 -0.1	23	SPT	0.0	13 -19 -13 -27		2.0/2.0	
50	0	Boring completed at 29.0 ft			50.0							
55	-5											
60	-10											
65	-15											
70	-20											
75	-25											
80	-30											

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Driling, Inc.
DRILLER: J. Segreaves

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 2/22/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-6

SHEET 1 of 1

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Geoprobe
DRILL RIG: Geoprobe
DATE STARTED: 3/17/06
DATE COMPLETED: 3/17/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,501.9 E: 1,101,170.6
GS ELEVATION: 47.1 ft
TOC ELEVATION: 46.7 ft
TEMPERATURE: 35 F

INCLINATION: -90
DEPTH W.L.: 30.0 ft
ELEVATION W.L.: 16.7 ft
DATE W.L.: 3/22/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	NUMBER	TYPE	PID (ppm)	REC / ATT	COMMENTS
0		0.0 - 0.5 Asphalt			46.6 0.5					
	45	0.5 - 5.0 Brown, moist, fine to medium SAND, with stratified sandy clay, trace medium gravel	SP			1	GRAB	0.0	2.5/5.0	
5					42.1 5.0					
	40	5.0 - 10.0 Reddish-brown SAND and CLAY, little fine to medium gravel	SC			2	GRAB	0.0	4.0/5.0	
10					37.1 10.0					
	35	10.0 - 15.0 Brown, moist, fine to medium SAND, trace fine to medium gravel	SP-SM			3	GRAB	0.0	5.0/5.0	
15					32.1 15.0					
	30	15.0 - 20.0 Brown, wet, fine to medium SAND, trace fine to medium gravel	SP-SM			4	GRAB	0.0	5.0/5.0	
20					27.1 20.0					
	25	20.0 - 25.0 Grayish-brown, wet, fine to medium SAND, some medium gravel	SP			5	GRAB	0.0	5.0/5.0	
25					22.1 25.0					
	20	25.0 - 30.0 Grayish-brown, wet, fine to medium SAND, some medium to coarse gravel	SP			6	GRAB	0.0	5.0/5.0	
30					17.1					
	15	Boring completed at 30.0 ft								
35	10									
40										

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Drilling
DRILLER: D. Crayon

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 3/28/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-7

SHEET 1 of 1

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Geoprobe
DRILL RIG: Geoprobe
DATE STARTED: 3/17/06
DATE COMPLETED: 3/17/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,510.5 E: 1,101,035.4
GS ELEVATION: 50.1 ft
TOC ELEVATION: 46.6 ft
TEMPERATURE: 35 F

INCLINATION: -90
DEPTH W.L.: 30.0 ft
ELEVATION W.L.: 16.6 ft
DATE W.L.: 3/22/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	PID (ppm)	REC / ATT	COMMENTS
0	50	0.0 - 0.5 Asphalt			49.6 0.5					
		0.5 - 5.0 Brown Silty CLAY with stratified fine to medium sand, trace medium to coarse gravel	CLs		45.1	1	GRAB	0.0	4.0/5.0	
5	45	5.0 - 10.0 Brown, wet fine to medium SAND with some medium gravel	SP		5.0 40.1	2	GRAB	0.0	4.0/5.0	
10	40	10.0 - 15.0 Brown, wet fine to medium SAND with some medium gravel	SP		10.0 35.1	3	GRAB	0.0	5.0/5.0	
15	35	15.0 - 20.0 Brown, wet fine to medium SAND with some medium gravel	SP		15.0 30.1	4	GRAB	0.0	5.0/5.0	
20	30	20.0 - 25.0 Brown, wet fine to medium SAND with some medium gravel	SP		20.0 25.1	5	GRAB	0.0	2.0/5.0	
25	25	25.0 - 30.0 Gray, wet, fine to medium SAND with some medium gravel	SP		25.0 20.1	6	GRAB	0.0	3.5/5.0	
30	20	Boring completed at 30.0 ft								
35	15									
40										

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Drilling
DRILLER: D. Crayon

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 3/28/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

RECORD OF BOREHOLE SB-8

SHEET 1 of 1

PROJECT: NML Uniondale
PROJECT NUMBER: 053-6388
DRILLED DEPTH: 30.0 ft
AZIMUTH: N/A
LOCATION: Uniondale, NY

DRILL METHOD: Geoprobe
DRILL RIG: Geoprobe
DATE STARTED: 3/17/06
DATE COMPLETED: 3/17/06
WEATHER: Sunny

DATUM: NAD 83 and NAVD 88
COORDS: N: 192,537.6 E: 1,100,917.4
GS ELEVATION: 50.3 ft
TOC ELEVATION: 50.0 ft
TEMPERATURE: 35 F

INCLINATION: -90
DEPTH W.L.: 30.0 ft
ELEVATION W.L.: 20.0 ft
DATE W.L.: 3/22/06
TIME W.L.:

DEPTH (ft)	ELEVATION (ft)	SOIL PROFILE: DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH (ft)	SAMPLES: NUMBER	TYPE	PID (ppm)	REC / ATT	COMMENTS
0	50	0.0 - 0.5 Asphalt			49.8 0.5					
		0.5 - 5.0 Brown, moist, silty SAND, with little stratified silty Clay, trace med gravel	SP-SM		45.3	1	GRAB	0.0	3.5/5.0	
5	45	5.0 - 10.0 Brown, moist, fine to medium SAND with trace medium gravel	SP-SM		5.0 40.3	2	GRAB	0.0	4.8/5.0	
10	40	10.0 - 15.0 Brown, moist, fine to medium SAND with trace medium gravel	SP-SM		10.0 35.3	3	GRAB	0.0	5.0/5.0	
15	35	15.0 - 20.0 Brown, wet, fine to medium SAND with trace medium gravel	SP-SM		15.0 30.3	4	GRAB	0.0	5.0/5.0	
20	30	20.0 - 25.0 Brown, wet, fine to medium SAND with trace medium gravel	SP-SM		20.0 25.3	5	GRAB	0.0	3.5/5.0	
25	25	25.0 - 30.0 Brown, wet, fine to medium SAND with stratified silty SAND, little medium gravel	SP		25.0 20.3	6	GRAB	0.0	4.0/5.0	
30	20	Boring completed at 30.0 ft								
35	15									
40										

LOG SCALE: 1 in = 5 ft
DRILLING COMPANY: Summit Drilling
DRILLER: D. Crayon

GA INSPECTOR: FGM
CHECKED BY: TIR
DATE: 3/28/06

Golder Associates

AA GEOTECH LOG 053-6388 BORING LOGS TASK 4.GPJ GOLDER NJ-PA 05-24-06.GDT 4/25/07

APPENDIX B

WELL DEVELOPMENT FORMS

Golder Associates

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Unionvale
JOB NO.: 053-6388
WELL NO.: MW-6
DEVELOPED BY: [illegible]
DATE OF INSTALL.: 3-20-06
SHEET 1 of 1
STARTED DEVEL.: 3-21-06 / 1032 (DATE / TIME)
COMPLETED DEVEL.: 3-21-06 / (DATE / TIME)
W.L. BEFORE DEVEL.: / 3-21-06 / (DEPTH / DATE / TIME)
W.L. AFTER DEVEL.: / 3-21-06 / (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.:
AFTER DEVEL.:
WELL DIA. (In): 2"
STANDING WATER COLUMN (FT.):
STANDING WELL VOLUME: gal.
SCREEN LENGTH: 17'
DRILLING WATER LOSS: gal.

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS: SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
3-21-06	1033		0.358	14.25	7.04	N/A	
	1038		0.362	13.44	6.92	N/A	
	1043		0.363	14.06	6.97	467.0	
	1048		0.363	14.14	6.95	175.0	
	1053		0.372	13.94	6.92	59.5	
	1058		0.364	13.91	6.99	41.6	
	1103		0.362	13.75	7.00	24.0	
	1108		0.372	14.09	6.95	9.0	
	1113		0.370	14.17	7.00	8.6	
	1115	44 gal	0.375	14.16	6.93	7.9	
			= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD:

NOTES:

Golder Associates

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Unionville
JOB NO.: 053-6388
WELL NO.: MW-7
DEVELOPED BY: [illegible]
DATE OF INSTALL.: 3-20-06
SHEET 1 of 1
STARTED DEVEL. (DATE / TIME): 3-21-06 / 0945
COMPLETED DEVEL. (DATE / TIME): 3-21-06 / 1033
W.L. BEFORE DEVEL. (DEPTH / DATE / TIME): / 3-21-06 /
W.L. AFTER DEVEL. (DEPTH / DATE / TIME): / 3-21-06 /
WELL DEPTH: BEFORE DEVEL.: 27.1
AFTER DEVEL.:
WELL DIA. (In): 2"
STANDING WATER COLUMN (FT.):
STANDING WELL VOLUME: ______ gal.
SCREEN LENGTH: 15'
DRILLING WATER LOSS: ______ gal.

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
3-21-06	0953		0.419	12.07	5.63	N/A	
	0958		0.388	13.52	6.39	N/A	
	1003		0.383	14.23	6.61	415.0	
	1008		0.390	14.12	6.77	103.0	
	1013		0.383	14.41	6.85	34.5	
	1018		0.380	14.45	6.86	8.9	
	1023		0.390	14.37	6.82	12.4	
	1028		0.376	14.30	6.85	12.3	
	1033	26 gal	0.377	14.33	6.88	12.0	
			= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD:

NOTES:

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Uranium Ridge
DEVELOPED BY: BM
STARTED DEVEL.: 3-21-06 / 1120 (DATE / TIME)
W.L. BEFORE DEVEL.: 13-21-06 / (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.:
STANDING WATER COLUMN (FT.):
SCREEN LENGTH: 15'

JOB NO.: 053 6385
DATE OF INSTALL.: 3-20-06
COMPLETED DEVEL.: 3-21-06 / (DATE / TIME)
W.L. AFTER DEVEL.: 13-21-06 / (DEPTH / DATE / TIME)
AFTER DEVEL.:
STANDING WELL VOLUME: gal.
DRILLING WATER LOSS: gal.

WELL NO.: MW-8
SHEET 1 of 1
WELL DIA. (In): 6"

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS: SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
3-21-06	1120		0.145	12.99	7.71	N/A	
	1125		0.145	12.97	7.43	N/A	
	1130		0.152	12.89	7.17	142.0	
	1135		0.151	11.71	7.15	31.3	
	1140		0.150	12.60	7.07	13.3	
	1145		0.150	13.12	7.07	6.2	
	1150		0.150	13.10	7.03	5.3	
	1155		0.150	13.11	7.02	6.4	
	1200						
			= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD:

NOTES:

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Uniondale
DEVELOPED BY: FM
STARTED DEVEL.: 2-6-06 / 1020 (DATE / TIME)
W.L. BEFORE DEVEL.: 21.02' / 2-6-06 / 1020 (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.: 48.1
STANDING WATER COLUMN (FT.): 27.08'
SCREEN LENGTH: 10'

JOB NO.:
DATE OF INSTALL.: 1-30-06
COMPLETED DEVEL.: 2-6-06 / 1040 (DATE / TIME)
W.L. AFTER DEVEL.: 20.03 / 2-6-06 / 1045 (DEPTH / DATE / TIME)
AFTER DEVEL.: 48.1
STANDING WELL VOLUME: gal.
DRILLING WATER LOSS: 50 gal.

WELL NO.: 58-1
SHEET: 1 of 1
WELL DIA. (In): 2"

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS: SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
2-6-06	1020	2	0.718	14.9	7.39	999	grey w/ odor
	1022	6	0.771	14.6	7.40	888	
	1024	10	0.766	15.3	7.42	302	
	1026	20	0.767	15.7	7.42	131	
	1030	25	0.777	15.5	7.39	66	
	1032	30	0.765	15.4	7.40	45	
	1034	35	0.775	16.0	7.47	33	
	1036	40	0.767	15.6	7.40	31	
	1038	45	0.767	15.6	7.42	32	
	1040	50	0.766	15.5	7.41	33	
		50	= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD: A 2" PVC pump was placed at the bottom of the well. Water was pumped out continously until the field parameters stabilized

NOTES:

G:\FORMS\WELLDEV.XLS

Golder Associates

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Uniondale
DEVELOPED BY: [illegible]
STARTED DEVEL.: 2-6-06 / 0900 (DATE / TIME)
W.L. BEFORE DEVEL.: 15.8 / 2-6-06 / 0900 (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.: 49.81
STANDING WATER COLUMN (FT.): 34.01'
SCREEN LENGTH: 10'

JOB NO.:
WELL NO.: SB-2
DATE OF INSTALL.: 1-31-06
SHEET 1 of 1
COMPLETED DEVEL.: 2-6-06 / 0930 (DATE / TIME)
W.L. AFTER DEVEL.: 49.75 / 2-6-06 / 0926 (DEPTH / DATE / TIME)
AFTER DEVEL.: 49.75
WELL DIA. (In): 2"
STANDING WELL VOLUME: gal.
DRILLING WATER LOSS: 50 gal.

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
2-6-06	0900	2	0.163	12.6	7.14	325	red / brown colored
	0905	10	0.171	12.6	6.77	345	water'
	0907	20	0.173	12.7	6.74	847	
	0910	23	0.174	12.8	6.86	125	
	0912	35	0.175	12.5	6.91	104	
	0915	40	0.174	12.6	6.93	51	
	0917	42	0.176	12.4	6.84	31	
	0918	46	0.176	12.6	6.92	27	
	0920	47	0.176	12.6	6.97	14	
	0921	48	0.176	12.6	6.96	14	
	0924	~~48.5~~ 49	0.176	12.6	6.95	6	
	0926	50	0.176	12.6	6.96	4	
			50 = TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD: A 2" PVC pump was placed at the bottom of the well. Water was pumped out continuously until field parameters stabilized

NOTES:

Golder Associates

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Uniondale
DEVELOPED BY: [illegible]
STARTED DEVEL.: 2-6-06 / 1050 (DATE / TIME)
W.L. BEFORE DEVEL.: 19.82 / 2-6-06 / 1030 (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.: 31.71
STANDING WATER COLUMN (FT.): 11.89
SCREEN LENGTH: 10'

JOB NO.:
WELL NO.: SB-3
DATE OF INSTALL.: 2-1-06
SHEET 1 of 1
COMPLETED DEVEL.: 2-6-06 / 1115 (DATE / TIME)
W.L. AFTER DEVEL.: 19.64 / 2-6-06 / 1115 (DEPTH / DATE / TIME)
AFTER DEVEL.: 31.71
WELL DIA. (In): 2
STANDING WELL VOLUME: gal.
DRILLING WATER LOSS: 48 gal.

DATE/TIME		VOLUME REMOVED (GALS)	FIELD PARAMETERS SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
2-6-06	1049	5	0.987	15.1	7.37	999	gray w/ strong
	1054	10	1.56	15.4	7.43	702	odor
	1056	20	1.54	15.5	7.53	209	
	1100	25	1.52	15.3	7.45	70	
	1103	30	1.53	15.7	7.43	37	
	1105	35	1.52	15.8	7.44	27	
	1107	42	1.54	15.9	7.45	15	
	1110	45	1.54	15.8	7.45	14	
	1115	48	1.51	15.8	7.42	15	
			48 = TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD: 2" PVC pop pump place at bottom of the well & water was pumped out until field parameters stabilized

NOTES:

WELL DEVELOPMENT FIELD RECORD

JOB NAME	Uniondale	JOB NO.	WELL NO. SB-4
DEVELOPED BY	Fm	DATE OF INSTALL.	2-2-06 SHEET 1 of
STARTED DEVEL.	2-6-06 / 1120 (DATE / TIME)	COMPLETED DEVEL.	2-6-06 / 1155 (DATE / TIME)
W.L. BEFORE DEVEL.	19.7 / 2-6-06 / 1121 (DEPTH / DATE / TIME)	W.L. AFTER DEVEL.	19.5 / 2-6-06 / (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.	32.5	AFTER DEVEL.	32.9 WELL DIA. (In) 2"
STANDING WATER COLUMN (FT.)	13.1	STANDING WELL VOLUME	gal.
SCREEN LENGTH	10'	DRILLING WATER LOSS	49 gal.

DATE/TIME	VOLUME REMOVED (GALS)	FIELD PARAMETERS: SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
1125	5	0.524	14.0	7.6	999	gray in color
1128	10	0.534	14.1	7.43	537	w/ strong odor
1130	20	0.537	14.7	7.44	141	
1133	30	0.541	14.7	7.50	28	
1135	35	0.544	15.0	7.49	16	
1137	40	0.534	14.8	7.49	17	
1140	45	0.539	14.8	7.43	11	
1145	47	0.538	14.9	7.47	10	
1150	49	0.538	14.9	7.49	11	
	49	= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD: A 2" PVC pump was placed at the bottom of the well. Water was pumped out continuously until the field parameters stabilized.

NOTES:

WELL DEVELOPMENT FIELD RECORD

JOB NAME: Uniondale
DEVELOPED BY: Em
STARTED DEVEL.: 12-6-06 / 0930 (DATE / TIME)
W.L. BEFORE DEVEL.: 16.80 / 12-6-06 / 0930 (DEPTH / DATE / TIME)
WELL DEPTH: BEFORE DEVEL.: 28.8
STANDING WATER COLUMN (FT.): 12.0'
SCREEN LENGTH: 15'

JOB NO.:
DATE OF INSTALL.: 12-2-06
COMPLETED DEVEL.: 12-6-06 / 1020 (DATE / TIME)
W.L. AFTER DEVEL.: 16.37 / 12-6-06 / 1020 (DEPTH / DATE / TIME)
AFTER DEVEL.: 28.8
STANDING WELL VOLUME:
DRILLING WATER LOSS: 50 gal.

WELL NO.: SB-5
SHEET: 1 of
WELL DIA. (In): 2"

DATE/TIME	VOLUME REMOVED (GALS)	FIELD PARAMETERS: SPEC COND. (ms/cm)	TEMP. (C)	pH (s.u.)	TURBIDITY (NTU)	REMARKS (DTW, Pumping Rate, etc.)
0930	5	0.066	9.6	6.63	999	red/brown in color
0932	10	0.073	9.5	6.61	999	
0933	15	0.073	10.0	6.88	635	clearing
0940	20	0.079	9.4	6.77	192	
0943	30	0.077	9.7	7.26	218	
0945	35	0.074	9.6	7.16	59	
0950	37	0.079	10.0	7.23	49	
0952	42	0.079	10.0	7.31	42	
0955	45	0.079	10.0	7.45	41	
0956	47	0.080	10.0	7.47	37	
0957	48	0.079	10.0	7.46	32	
0958	50	0.079	10.0	7.45	28	
	50	= TOTAL VOLUME REMOVED (gal.)				

DEVELOPMENT METHOD: A 2" PVC pump was placed at the bottom of the well. Water was pumped out continuously until the field parameters stabilized.

NOTES:

G:\FORMS\WELLDEV.XLS

APPENDIX C

SAMPLE COLLECTION FORMS

LOW F[illegible] GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: UNIONDALE SHOPPING CENTER
Location: UNIONDALE, NY
Project Number: 053-6388
MONITORING WELL ID: SB-1
Depth to Water Prior to Purging [ft-bmp]: 20.17
Well Casing Diameter [in]: 2"
Start Time (purging): 0945
Purging Device: GRUNDFOS
Pump intake setting:
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 48 ±
Weather Conditions: SUNNY, 40's, SLIGHT BREEZE

Meter/Type/Serial #: U22 01569
Meter Calibrated @:
Sampling Date/Time: 02.09.06 1015
Sampler(s): TANYA SHARKO AND FRANK MALINKY
Sampling Device: GRUNDFOS, TEFLON TUBING
Sample Characteristics: ODOR, CLEAR, SOME BR SUSP. SOLIDS
PID Measurement of Well Headspace (ppm): NM
Analytical Parameters: VOC, SVOC, PESTICIDES, PCBs, METALS, MERCURY, CYANIDE
Fe+2 result (field measurement): N/A PPM

Time [hh:mm]	Temperature [°C]	pH ±.1 [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV] ±10	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0947	14.75	3.53	0.000	91.6	10.63	2.73	20.20	2	320	
0952	17.28	3.86	0.00	83.2	10.56	254	20.17	3.6	320	
0957	18.36	3.99	0.00	110.0	10.56	244	20.17	5.2	320	
1002	19.24	4.06	0.00	111.0	10.50	242	20.17	6.8	320	
1007	19.59	4.08	0.00	111.0	10.50	242	20.17	8.4	320	
1015	19.15	4.09	0.00	111.0	10.57	239	20.17	10	320	Sample @ 1015

Comments:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: UNIONDALE SHOPPING CENTER
Location: UNIONDALE, NEW YORK
Project Number: 053-6383
MONITORING WELL ID: SB-2
Depth to Water Prior to Purging [ft-bmp]: 15.93
Well Casing Diameter [in]: 2"
Start Time (purging): [illegible]
Purging Device: GRUNDFOS
Pump intake setting:
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 49.76
Weather Conditions:

Meter/Type/Serial #: U22 U5569
Meter Calibrated @:
Sampling Date/Time: 02.09.06 1505
Sampler(s): TANYA SHARKO AND FRANK MALINKY
Sampling Device: GRUNDFOS, TEFLON TUBING
Sample Characteristics:
PID Measurement of Well Headspace (ppm): NM
Analytical Parameters: VOCs, SVOCs, PESTICIDES, PCBs, METALS, MERCURY, CYANIDE
Fe+2 result (field measurement): NM PPM

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1420	13.82	7.41	.405	99.9	8.34	+29	15.76	30	300	
1425	14.78	6.57	.407	25.4	7.67	+60	15.94		300	
1430	14.63	6.46	.412	41.2	7.72	+74	15.94		300	
1435	14.63	6.30	.427	35.2	7.69	+87	15.94		300	
1440	14.66	6.24	.421	16.4	7.70	+94	15.94		300	
1445	14.64	6.21	.423	12.7	7.69	+100	15.94		300	
1450	14.61	6.19	.422	10.9	7.67	+101	15.94		300	
1455	14.67	6.19	.424	10.8	7.67	+105	15.94		300	
1500	14.68	6.20	424	10.3	7.67	+104	15.94		300	

Comments:

Sampled @ 1505

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: UNIONDALE SHOPPING CENTER
Location: UNIONDALE, NY
Project Number: 053-6388
MONITORING WELL ID: SB-3
Depth to Water Prior to Purging [ft-bmp]: 20.20
Well Casing Diameter [in]: 2"
Start Time (purging): 1042
Purging Device: GRUNDFOS
Pump intake setting:
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 31.69
Weather Conditions: SUNNY, 40's SLIGHT BREEZE

Meter/Type/Serial #: U22 01569
Meter Calibrated @:
Sampling Date/Time: 02.09.06 1125
Sampler(s): TANYA SHARKO AND FRANK MALINKY
Sampling Device: GRUNDFOS & TEFLON TUBING
Sample Characteristics: NO ODOR, BROWN SUSP PART.
PID Measurement of Well Headspace (ppm): NM
Analytical Parameters: VOCs, SVOCs, METALS, PESTICIDES, PCBs, MERCURY, CYANIDE
Fe+2 result (field measurement): N/A PPM

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate If (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1044	22.40	6.50	0.000	163	10.65	+24	20.21	1.0	280	
1049	19.98	6.19	0.000	155	10.98	+55	20.21	2.4	VARIABLE	
1054	19.98	6.11	0.000	158	10.39	+64	20.21	4.8	VARIABLE	
1059	20.63	6.05	0.000	164	10.05	+73	20.21	6.5	VARIABLE	
1104	20.90	6.00	0.000	161	9.69	+80	20.22	9.0	VARIABLE	
1109	20.90	5.96	0.000	165	9.80	+82	20.22	13.0	VARIABLE	
1114	21.01	5.96	0.000	166	9.81	+89	20.22	16.5	VARIABLE	
1119	21.04	5.91	0.00	164	9.81	+89	20.22	19.0	VARIABLE	

Comments:

sampled @ 1125

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: UNIONDALE SHOPPING CENTER
Location: UNIONDALE, NEW YORK
Project Number: 053-6388
MONITORING WELL ID: SB-4
Depth to Water Prior to Purging [ft-bmp]: 20.14
Well Casing Diameter [in]: 2"
Start Time (purging): 1208
Purging Device: GRUNDFOS
Pump intake setting:
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 32.81
Weather Conditions: sunny 40°F

Meter/Type/Serial #: U22 01569
Meter Calibrated @:
Sampling Date/Time: 02.09.06 1305
Sampler(s): TANYA SHARED AND FRANK MALINKY
Sampling Device: GRUNDFOS, TEFLON TUBING
Sample Characteristics:
PID Measurement of Well Headspace (ppm): NM
Analytical Parameters: VOCs, SVOCs, METALS, PESTICIDES, PCBs, MERCURY, CYANIDE
Fe+2 result (field measurement): NM PPM

Time [hh:mm]	Temperature [°C]	pH ±1 [std]	Specific Conductance Circle One 3% [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen 10% [mg/l]	Redox Potential Note - Indicate if (+) or (-) [mV] ±10	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1210	15.96	7.05	0.812	999	0.0	-2	19.29	1.5	300	
1215	16.52	6.72	0.782	520	0.0	-23	19.32	3.0	300	
1220	16.70	6.59	0.781	325	0.0	-31	19.36	4.5	300	
1225	16.81	6.66	0.779	308	0.0	-36	19.38	6.0	300	
1230	16.91	6.66	0.783	195	0.0	-42	19.34	7.5	300	
1235	17.01	6.65	0.796	126	0.0	-45	19.36	9.0	300	
1240	17.07	6.72	0.798	99.8	0.0	-47	19.36	10.5	300	pump failure
1245	17.08	6.69	0.791	44.6	0.0	-39	19.36	12.0	300	
1250	17.36	6.66	0.779	50.7	0.0	-43	19.39	13.5	300	
1255	17.40	6.69	0.781	48.6	0.0	-44	19.39	15.0	300	
1300	17.41	6.68	0.779	49.2	0.0	-44	19.40	16.5	300	

Comments:

LOW FLOW GROUNDWATER PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: UNIONDALE SHOPPING CENTER
Location: UNIONDALE, NEW YORK
Project Number: 053-6388
MONITORING WELL ID: SB-5
Depth to Water Prior to Purging [ft-bmp]: 16.45
Well Casing Diameter [in]: 2"
Start Time (purging): 1509
Purging Device: GRUNDFOS
Pump intake setting:
As-Built Construction Well Depth [ft-bmp]:
Sounded Well Depth [ft-bmp]: 27.76
Weather Conditions:

Meter/Type/Serial #: U22 01569
Meter Calibrated @:
Sampling Date/Time: 02.09.06 1600
Sampler(s): TANYA SHARKO AND FRANK MALINKY
Sampling Device: GRUNDFOS, TEFLON TUBING
Sample Characteristics:
PID Measurement of Well Headspace (ppm): NM
Analytical Parameters: VOCs, SVOCs, PESTICIDES, PCBs, MERCURY, CYANIDE, METALS
Fe+2 result (field measurement): NM PPM

Time [hh:mm]	Temperature [°C]	pH [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - indicate if (+) or (-) [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1515	9.85	6.55	.224	999	9.94	+121	16.50	2	300	
1520	10.15	6.30	.222	1025	8.72	+125	16.50		300	
1525	11.2	6.31	.228	221	8.80	+122	16.50		300	
1530	11.35	6.31	.228	88.9	8.81	+121	16.50		300	
1535	11.42	6.34	.224	50.0	8.86	+121	16.50		300	
1540	11.5	6.37	.220	23.5	8.97	+120	16.50		300	TURBIDITY = 23.5
1545	11.60	6.41	.218	13.3	9.04	+118	16.50		300	
1550	11.7	6.44	.219	12.6	9.11	+119	16.5			
1555	11.72	6.44	.218	12.1	9.09	+118	16.5			

Comments:

GROUNDWATER LOW FLOW PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: Uniondale
Location: MW-6
Project Number: 053 6388

Meter/Type/Serial #: 02912
Meter Calibrated @: @ 0925

MONITORING WELL ID: MW-6
Depth to Water Prior to Purging [ft-bmp]: 15.39 / 28.91
Well Casing Diameter [in]: 2
Start Time (purging): 1255
Purging Device: 2' pump / Grundfos
As-Built Construction Well Depth [ft-bmp]: 30'
Sounded Well Depth [ft-bmp]: 28.91
Weather Conditions: sunny 40°F

Sampling Date/Time: 3-22-06
Sampler(s): Fn
Sampling Device: ~~[illegible]~~ Grundfos teflon tubing
Sample Characteristics:
PID Measurement of Well Headspace (ppm):
Analytical Parameters:

Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH ±0.1 [std]	Specific Conductance 3% Circle One [S/m] or [mS/cm]	Turbidity 10% [ntu]	Dissolved Oxygen 10% [mg/l]	Redox Potential 10% Note - Indicate [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1255	14.44	6.74	0.350	—	3.02	-27	15.44		500-1	
1300	14.66	6.52	0.352	—	1.90	-13	15.41			
1305	15.71	6.51	0.348	—	1.43	-17	15.41			
1310	15.80	6.62	0.351	—	1.24	-34	15.41			
1315	15.84	6.73	0.354	606.0	1.00	-45	15.41			
1320	15.57	6.78	0.357	363.0	0.81	-52	15.41			
1325	16.22	6.80	0.356	216.0	0.58	-58	15.41			
1330	16.27	6.84	0.355	250.0	1.10	-61	15.41			
1335	16.34	6.84	0.354	169.0	0.69	-62	15.41			
1340	16.26	6.84	0.354	148.0	0.70	-63	15.41			
1345	16.22	6.84	0.354	146.0	0.71	-63	15.41			
1350	16.42	6.84	0.353	139.0	0.71	-63	15.41			

Comments:

1352 sample time

~~180.4~~
~~147.6~~
162.8
133.2

0.76
.621

Page 1 of 1

GROUNDWATER LOW FLOW PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: Uniondale
Location: MW-7
Project Number: 0536388

Meter/Type/Serial #:
Meter Calibrated @: 0925

MONITORING WELL ID: MW-7
Sampling Date/Time: 3.22.06 / 1120
Depth to Water Prior to Purging [ft-bmp]: 18.21 / 28.72
Sampler(s): FM
Well Casing Diameter [in]: 2"
Sampling Device: Grundfos, Teflon tubing
Start Time (purging): 1120
Sample Characteristics:
Purging Device: Grundfos
PID Measurement of Well Headspace (ppm):
As-Built Construction Well Depth [ft-bmp]:
Analytical Parameters:
Sounded Well Depth [ft-bmp]: 28.72
±10%
Weather Conditions: cloudy 35°
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH ±0.1 [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity [ntu]	Dissolved Oxygen [mg/l]	Redox Potential Note - Indicate [mV]	Depth To Water [ft-bmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
1120	14.68	6.70	0.375	—	0.93	-66	18.21		500ml	
1125	15.18	6.70	0.373	—	0.73	-68	18.21			
1130	16.16	6.72	0.375	—	0.49	-78	18.21			
1135	16.64	6.74	0.374	686.0	0.30	-87	18.21			
1140	16.51	6.71	0.376	330.0	0.32	-87	18.21			
1145	16.58	6.72	0.369	154.0	0.03	-93	18.21			
1150	16.58	6.72	0.368	116.0	0.00	-94	18.21			
1155	16.66	6.72	0.368	103.0	0.02	-93	18.21			
1200	16.56	6.73	0.368	97.1	0.00	-93	18.21			
1205	16.76	6.72	0.369	100.0	0.00	-92	18.21			

Comments:

6.62 0.61 19.1 113.3
6.82 .379 61.9 92.7
.359 138.6
127.6
104.4

GROUNDWATER LOW FLOW PURGE/SAMPLE FIELD INFORMATION FORM

Golder Associates

Site: Uniondale
Location:
Project Number: 0536388

MONITORING WELL ID: MW-8
Depth to Water Prior to Purging [ft-bmp]: 18.41 / 28.87
Well Casing Diameter [in]: 2"
Start Time (purging): 0902
Purging Device: 2" pump, Grundfos
As-Built Construction Well Depth [ft-bmp]: 50'
Sounded Well Depth [ft-bmp]: 28.27
Weather Conditions: sunny 25°

Meter/Type/Serial #: Horiba U22
Meter Calibrated @: 0925 hrs
Sampling Date/Time: 3.22.06 / 0903
Sampler(s): FM
Sampling Device: Grundfos foot valve tubing
Sample Characteristics:
PID Measurement of Well Headspace (ppm):
Analytical Parameters:
±10%
Fe+2 result (field measurement):

Time [hh:mm]	Temperature [°C]	pH ±0.1 [std]	Specific Conductance Circle One [S/m] or [mS/cm]	Turbidity ±5% [ntu]	Dissolved Oxygen ±10% [mg/l]	Redox Potential Note + Indicate If (+) or (-) [mV]	Depth To Water [mbmp]	Volume Purged [liters]	Approximate Purge Rate [ml/min]	Observations (PID readings, sample characteristics, equipment problems, etc.)
0933	14.16	6.70	0.132	—	5.27	171.0	18.44		500-1	
0938	14.80	6.75	0.132	—	5.41	144	18.44		500	
0943	14.96	6.74	0.132	—	5.56	129	18.45			
0948	15.02	6.75	0.135	675.0	5.93	121	18.44			
0953	15.12	6.75	0.136	457.0	5.77	119	18.42			
0958	15.04	6.75	0.138	354	5.80	117	18.43			
1003	15.05	6.76	0.141	350	6.38	116	18.43			
1008	14.83	6.75	0.139	227	6.12	121	18.43			
1013	15.18	6.74	0.138	192	6.02	119	18.43			
1018	15.16	6.75	0.138	189	6.05	119	18.43			
1023	15.17	6.74	0.138	180	6.03	119	18.43			

Comments:

0.04 .143 ↓ 0.135 — 22.7 249 204.3 — .650 5.74 ↓ 7.01 — 12.1 108.9 - 133.1 — 19.2 211.2 178.8

APPENDIX D

LABORATORY DATA FORMS

Client ID: MW-6
Site: Uniondale

Lab Sample No: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Analyzed: 03/23/06
GC Column: RTX-VMS
Instrument ID: VOAMS3.i
Lab File ID: ca10282.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	2.4J	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: MW-7
Site: Uniondale

Lab Sample No: 718493
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Analyzed: 03/23/06
GC Column: RTX-VMS
Instrument ID: VOAMS3.i
Lab File ID: ca10283.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	1.4J	5.0
Chloroethane	7.1	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	1.7J	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	2.2J	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	1.4	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	0.9J	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: MW-8
Site: Uniondale

Lab Sample No: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Analyzed: 03/23/06
GC Column: RTX-VMS
Instrument ID: VOAMS3.i
Lab File ID: ca10284.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	0.5J	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: MW-6
Site: Uniondale

Lab Sample No: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/25/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20990.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	40
4-Nitrophenol	ND	40
4,6-Dinitro-2-methylphenol	ND	40
Pentachlorophenol	ND	40

Client ID: MW-6
Site: Uniondale

Lab Sample No: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/25/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20990.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	1.9J	10
Anthracene	ND	10

Client ID: MW-6
Site: Uniondale

Lab Sample No: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/25/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20990.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: MW-7
Site: Uniondale

Lab Sample No: 718493
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20972.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	40
4-Nitrophenol	ND	40
4,6-Dinitro-2-methylphenol	ND	40
Pentachlorophenol	ND	40

Client ID: MW-7
Site: Uniondale

Lab Sample No: 718493
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20972.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.0
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	20
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.0
3-Nitroaniline	ND	20
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.0
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	20
N-Nitrosodiphenylamine	0.5J	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	0.3J	10
Anthracene	ND	10

Client ID: MW-7
Site: Uniondale

Lab Sample No: 718493
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20972.d

Matrix: WATER
Level: LOW
Sample Volume: 990 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	20
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: MW-8
Site: Uniondale

Lab Sample No: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20973.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Phenol	ND	10
2-Chlorophenol	ND	10
2-Methylphenol	ND	10
4-Methylphenol	ND	10
2-Nitrophenol	ND	10
2,4-Dimethylphenol	ND	10
2,4-Dichlorophenol	ND	10
4-Chloro-3-methylphenol	ND	10
2,4,6-Trichlorophenol	ND	10
2,4,5-Trichlorophenol	ND	10
2,4-Dinitrophenol	ND	41
4-Nitrophenol	ND	41
4,6-Dinitro-2-methylphenol	ND	41
Pentachlorophenol	ND	41

Client ID: MW-8
Site: Uniondale

Lab Sample No: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20973.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.0
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10
bis(2-chloroisopropyl)ether	ND	10
N-Nitroso-di-n-propylamine	ND	1.0
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.0
Isophorone	ND	10
bis(2-Chloroethoxy)methane	ND	10
1,2,4-Trichlorobenzene	ND	1.0
Naphthalene	ND	10
4-Chloroaniline	ND	10
Hexachlorobutadiene	ND	2.1
2-Methylnaphthalene	ND	10
Hexachlorocyclopentadiene	ND	10
2-Chloronaphthalene	ND	10
2-Nitroaniline	ND	21
Dimethylphthalate	ND	10
Acenaphthylene	ND	10
2,6-Dinitrotoluene	ND	2.1
3-Nitroaniline	ND	21
Acenaphthene	ND	10
Dibenzofuran	ND	10
2,4-Dinitrotoluene	ND	2.1
Diethylphthalate	ND	10
4-Chlorophenyl-phenylether	ND	10
Fluorene	ND	10
4-Nitroaniline	ND	21
N-Nitrosodiphenylamine	ND	10
4-Bromophenyl-phenylether	ND	10
Hexachlorobenzene	ND	1.0
Phenanthrene	1.7J	10
Anthracene	ND	10

Client ID: MW-8
Site: Uniondale

Lab Sample No: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s20973.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	10
Di-n-butylphthalate	ND	10
Fluoranthene	ND	10
Pyrene	ND	10
Butylbenzylphthalate	ND	10
3,3'-Dichlorobenzidine	ND	21
Benzo(a)anthracene	ND	1.0
Chrysene	ND	10
bis(2-Ethylhexyl)phthalate	ND	10
Di-n-octylphthalate	ND	10
Benzo(b)fluoranthene	ND	1.0
Benzo(k)fluoranthene	ND	1.0
Benzo(a)pyrene	ND	1.0
Indeno(1,2,3-cd)pyrene	ND	1.0
Dibenz(a,h)anthracene	ND	1.0
Benzo(g,h,i)perylene	ND	10

Client ID: MW-6
Site: Uniondale

Lab Sample ID: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC4.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: wf660487.d
Rear File ID: wr660487.d

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aldrin	ND	0.050	R
alpha-BHC	ND	0.050	R
beta-BHC	ND	0.050	R
delta-BHC	ND	0.050	R
gamma-BHC (Lindane)	ND	0.050	R
Chlordane	ND	0.50	R
4,4'-DDD	ND	0.050	R
4,4'-DDE	ND	0.050	R
4,4'-DDT	ND	0.050	R
Dieldrin	ND	0.050	R
Endosulfan I	ND	0.050	R
Endosulfan II	ND	0.050	R
Endosulfan sulfate	ND	0.050	R
Endrin	ND	0.050	R
Endrin aldehyde	ND	0.050	R
Endrin ketone	ND	0.050	R
Heptachlor	ND	0.050	R
Heptachlor epoxide	ND	0.050	R
Methoxychlor	ND	0.050	R
Toxaphene	ND	0.50	R

Client ID: **MW-7**
Site: Uniondale

Lab Sample ID: **718493**
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC4.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: wf660488.d
Rear File ID: wr660488.d

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aldrin	ND	0.050	R
alpha-BHC	ND	0.050	R
beta-BHC	ND	0.050	R
delta-BHC	ND	0.050	R
gamma-BHC (Lindane)	ND	0.050	R
Chlordane	ND	0.50	R
4,4'-DDD	ND	0.050	R
4,4'-DDE	ND	0.050	R
4,4'-DDT	ND	0.050	R
Dieldrin	ND	0.050	R
Endosulfan I	ND	0.050	R
Endosulfan II	ND	0.050	R
Endosulfan sulfate	ND	0.050	R
Endrin	ND	0.050	R
Endrin aldehyde	ND	0.050	R
Endrin ketone	ND	0.050	R
Heptachlor	ND	0.050	R
Heptachlor epoxide	ND	0.050	R
Methoxychlor	ND	0.050	R
Toxaphene	ND	0.50	R

Client ID: MW-8
Site: Uniondale

Lab Sample ID: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/24/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC4.i

Matrix: WATER
Sample Volume: 970 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: wf660489.d
Rear File ID: wr660489.d

ORGANOCHLORINE PESTICIDES - GC/ECD
METHOD 8081A

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aldrin	ND	0.052	R
alpha-BHC	ND	0.052	R
beta-BHC	ND	0.052	R
delta-BHC	ND	0.052	R
gamma-BHC (Lindane)	ND	0.052	R
Chlordane	ND	0.52	R
4,4'-DDD	ND	0.052	R
4,4'-DDE	ND	0.052	R
4,4'-DDT	ND	0.052	R
Dieldrin	ND	0.052	R
Endosulfan I	ND	0.052	R
Endosulfan II	ND	0.052	R
Endosulfan sulfate	ND	0.052	R
Endrin	ND	0.052	R
Endrin aldehyde	ND	0.052	R
Endrin ketone	ND	0.052	R
Heptachlor	ND	0.052	R
Heptachlor epoxide	ND	0.052	R
Methoxychlor	ND	0.052	R
Toxaphene	ND	0.52	R

Client ID: MW-6
Site: Uniondale

Lab Sample ID: 718492
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/23/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: vf404362.d
Rear File ID: vr404362.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aroclor-1016	ND	0.50	R
Aroclor-1221	ND	0.50	R
Aroclor-1232	ND	0.50	R
Aroclor-1242	ND	0.50	R
Aroclor-1248	ND	0.50	R
Aroclor-1254	ND	0.50	R
Aroclor-1260	ND	0.50	R
Aroclor-1262	ND	0.50	R
Aroclor-1268	ND	0.50	R

Client ID: MW-7
Site: Uniondale

Lab Sample ID: 718493
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/23/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: vf404363.d
Rear File ID: vr404363.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aroclor-1016	ND	0.50	R
Aroclor-1221	ND	0.50	R
Aroclor-1232	ND	0.50	R
Aroclor-1242	ND	0.50	R
Aroclor-1248	ND	0.50	R
Aroclor-1254	ND	0.50	R
Aroclor-1260	ND	0.50	R
Aroclor-1262	ND	0.50	R
Aroclor-1268	ND	0.50	R

Client ID: MW-8
Site: Uniondale

Lab Sample ID: 718494
Lab Job No: P096

Date Sampled: 03/22/06
Date Received: 03/22/06
Date Extracted: 03/23/06
Date Analyzed: 03/23/06
GC Front Column: StxCLP2
GC Rear Column: StxCLP1
Instrument ID: PESTGC9.i

Matrix: WATER
Sample Volume: 970 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Front File ID: vf404364.d
Rear File ID: vr404364.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 8082

Parameter	Analytical Results Units: ug/l	Quantitation Limit Units: ug/l	Column
Aroclor-1016	ND	0.52	R
Aroclor-1221	ND	0.52	R
Aroclor-1232	ND	0.52	R
Aroclor-1242	ND	0.52	R
Aroclor-1248	ND	0.52	R
Aroclor-1254	ND	0.52	R
Aroclor-1260	ND	0.52	R
Aroclor-1262	ND	0.52	R
Aroclor-1268	ND	0.52	R

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908901B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	4.8	J
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	37	
100-41-4	Ethylbenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908901B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	7.87	37	J
2.		UNKNOWN	9.35	8.7	J
3.	103-65-1	BENZENE, PROPYL-	13.40	8.3	NJ
4.		SUBSTITUTED BENZENE	14.47	19	J
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-2

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908902B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
67-66-3	Chloroform	2.1	J
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-2

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908902B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908903B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	12	
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	28	
100-41-4	Ethylbenzene	18	
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-3

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908903B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	15869-94-0	OCTANE, 3,6-DIMETHYL-	12.68	110	NJ
2.		BRANCHED ALKANE	13.00	200	J
3.	103-65-1	BENZENE, PROPYL-	13.38	180	NJ
4.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	13.87	480	NJ
5.		UNKNOWN	14.04	130	J
6.		SUBSTITUTED BENZENE	14.47	220	J
7.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	14.73	120	NJ
8.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	14.80	130	NJ
9.	95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	15.18	110	NJ
10.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	15.22	120	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908904B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	87	
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	4.6	J
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	27	
107-06-2	1,2-Dichloroethane	1.8	J
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-88-3	Toluene	140	
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	2.7	J
100-41-4	Ethylbenzene	130	
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908904B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	95-47-6	BENZENE, 1,2-DIMETHYL-	12.29	460	NJ
2.	95-47-6	BENZENE, 1,2-DIMETHYL-	12.70	76	NJ
3.	98-82-8	BENZENE, (1-METHYLETHYL)-	13.01	44	NJ
4.	103-65-1	BENZENE, PROPYL-	13.39	53	NJ
5.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	13.45	18	NJ
6.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	13.52	23	NJ
7.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	13.73	24	NJ
8.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	13.87	74	NJ
9.	622-97-9	BENZENE, 1-ETHENYL-4-METHYL-	14.47	62	NJ
10.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	14.80	17	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-5

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908905B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
107-02-8	Acrolein	50	U
75-35-4	1,1-Dichloroethene	5.0	U
75-09-2	Methylene Chloride	5.0	U
107-13-1	Acrylonitrile	50	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
71-43-2	Benzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-chloroethyl vinyl ether	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-5

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 5 (g/ml) ML Lab File ID: 908905B59

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: not dec. _____ Date Analyzed: 02/11/06

GC Column: ZB-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 500 (g/mL) ML Lab File ID: 908901A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	3.4	J
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	4.2	J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 500 (g/mL) ML Lab File ID: 908901A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	2.4	J
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	9.4	J
120-12-7	Anthracene	1.4	J
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	5.7	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 500 (g/mL) ML Lab File ID: 908901A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 500(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.09	58	J
2.	108-90-7	BENZENE, CHLORO-	3.18	10	NJ
3.		UNKNOWN	6.16	7.4	J
4.		UNKNOWN	6.52	7.5	J
5.		UNKNOWN	7.05	4.4	J
6.		UNKNOWN	13.71	28	J
7.	934-34-9	2(3H)-BENZOTHIAZOLONE	13.85	16	NJ
8.		UNKNOWN	21.46	5.0	J
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908902A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

FORM 1 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908902A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	4.6	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908902A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.08	16	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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30.					

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908903JA64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/16/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	66	
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	1.5	J
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	1.0	J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908903JA64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/16/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	3.9	J
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	1.3	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1.6	J
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	19	
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908903JA64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/16/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	98-82-8	BENZENE, (1-METHYLETHYL)-	4.42	42	NJ
2.		BRANCHED ALKANE	4.57	21	J
3.	103-65-1	BENZENE, PROPYL-	4.89	99	NJ
4.		UNKNOWN	5.02	32	J
5.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	5.54	370	NJ
6.	496-11-7	INDANE	6.15	97	NJ
7.	135-01-3	BENZENE, 1,2-DIETHYL-	6.37	41	NJ
8.		UNKNOWN	6.45	54	J
9.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	6.80	100	NJ
10.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	7.32	59	NJ
11.	488-23-3	BENZENE, 1,2,3,4-TETRAMETHYL	7.38	63	NJ
12.	824-22-6	1H-INDENE, 2,3-DIHYDRO-4-MET	7.64	22	NJ
13.	767-99-7	BENZENE, (1-METHYL-1-PROPENY	7.79	23	NJ
14.	527-53-7	BENZENE, 1,2,3,5-TETRAMETHYL	7.82	31	NJ
15.	90-12-0	NAPHTHALENE, 1-METHYL-	9.68	19	NJ
16.	0-00-0	N-ETHYL-O-TOLUENESULFONAMIDE	13.69	23	NJ
17.	934-34-9	2(3H)-BENZOTHIAZOLONE	13.84	26	NJ
18.		BRANCHED ALKANE	14.04	47	J
19.		UNKNOWN	14.98	27	J
20.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.05	31	NJ
21.					
22.					
23.					
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29.					
30.					

FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908904A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	4.8	J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908904A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	2.1	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908904A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	108-88-3	TOLUENE	2.10	32	NJ
2.	100-41-4	ETHYLBENZENE	3.42	40	NJ
3.	95-47-6	BENZENE, 1,2-DIMETHYL-	3.56	130	NJ
4.	108-38-3	BENZENE, 1,3-DIMETHYL-	3.93	19	NJ
5.		UNKNOWN	4.43	12	J
6.	103-65-1	BENZENE, PROPYL-	4.89	25	NJ
7.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	5.02	7.8	NJ
8.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	5.12	10	NJ
9.	95-63-6	BENZENE, 1,2,4-TRIMETHYL-	5.31	11	NJ
10.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	5.52	43	NJ
11.	611-14-3	BENZENE, 1-ETHYL-2-METHYL-	5.96	9.5	NJ
12.		UNKNOWN	6.16	32	J
13.	141-93-5	BENZENE, 1,3-DIETHYL-	6.37	4.2	NJ
14.		UNKNOWN	6.52	6.3	J
15.	2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETHY	7.32	4.2	NJ
16.		UNKNOWN	13.57	4.5	J
17.		UNKNOWN	15.68	15	J
18.					
19.					
20.					
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FORM I SV-TIC

FORM 1 CLIENT SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SB-5

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908905A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
131-11-3	Dimethylphthalate	10	U
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	10	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-5

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908905A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
92-87-5	Benzidine	20	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
117-81-7	bis(2-ethylhexyl)Phthalate	1.6	J
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-5

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 908905A64

Level: (low/med) LOW Date Received: 02/10/06

% Moisture: _____ decanted: (Y/N)___ Date Extracted:02/13/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/14/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
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FORM I SV-TIC

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908901

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/10/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/12/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/06

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.016	BP
319-85-7	beta-BHC	0.025	U
319-84-6	alpha-BHC	0.017	P
319-86-8	delta-BHC	0.013	U
58-89-9	gamma-BHC (Lindane)	0.013	U
72-54-8	4,4'-DDD	0.035	J
72-55-9	4,4'-DDE	0.013	JP
50-29-3	4,4'-DDT	0.075	U
60-57-1	Dieldrin	0.025	U
959-98-8	Endosulfan I	0.025	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
76-44-8	Heptachlor	0.015	BP
1024-57-3	Heptachlor Epoxide	0.0027	JBP
72-43-5	Methoxychlor	0.13	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U
53494-70-5	Endrin Ketone	0.13	U
5103-74-2	gamma-Chlordane	0.0077	J
5103-71-9	alpha-Chlordane	0.025	U

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908902

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/10/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/12/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/17/06

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.013	U
319-85-7	beta-BHC	0.025	U
319-84-6	alpha-BHC	0.013	U
319-86-8	delta-BHC	0.013	U
58-89-9	gamma-BHC (Lindane)	0.013	U
72-54-8	4,4'-DDD	0.050	U
72-55-9	4,4'-DDE	0.025	U
50-29-3	4,4'-DDT	0.075	U
60-57-1	Dieldrin	0.025	U
959-98-8	Endosulfan I	0.025	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
76-44-8	Heptachlor	0.013	U
1024-57-3	Heptachlor Epoxide	0.013	U
72-43-5	Methoxychlor	0.13	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U
53494-70-5	Endrin Ketone	0.13	U
5103-74-2	gamma-Chlordane	0.013	U
5103-71-9	alpha-Chlordane	0.025	U

1D

EPA SAMPLE NO.

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

SB-3

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908903

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/10/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/12/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/28/06

Injection Volume: 2.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.028	JBP
319-85-7	beta-BHC	0.13	U
319-84-6	alpha-BHC	0.063	U
319-86-8	delta-BHC	0.063	U
58-89-9	gamma-BHC (Lindane)	0.063	U
72-54-8	4,4'-DDD	0.25	U
72-55-9	4,4'-DDE	0.12	JP
50-29-3	4,4'-DDT	0.38	U
60-57-1	Dieldrin	0.24	
959-98-8	Endosulfan I	0.13	U
33213-65-9	Endosulfan II	0.25	U
1031-07-8	Endosulfan sulfate	0.25	U
72-20-8	Endrin	0.25	U
7421-93-4	Endrin Aldehyde	0.25	U
76-44-8	Heptachlor	0.030	JBP
1024-57-3	Heptachlor Epoxide	0.027	JBP
72-43-5	Methoxychlor	0.63	U
8001-35-2	Toxaphene	13	U
12674-11-2	Aroclor-1016	4.7	U
11104-28-2	Aroclor-1221	6.3	U
11141-16-5	Aroclor-1232	4.7	U
53469-21-9	Aroclor-1242	3.1	U
12672-29-6	Aroclor-1248	3.1	U
11097-69-1	Aroclor-1254	3.1	U
11096-82-5	Aroclor-1260	69	
53494-70-5	Endrin Ketone	0.63	U
5103-74-2	gamma-Chlordane	0.24	P
5103-71-9	alpha-Chlordane	0.15	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908904

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/10/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/12/06

Concentrated Extract Volume: 2500(uL) Date Analyzed: 02/17/06

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.013	U
319-85-7	beta-BHC	0.030	BP
319-84-6	alpha-BHC	0.013	U
319-86-8	delta-BHC	0.013	U
58-89-9	gamma-BHC (Lindane)	0.013	U
72-54-8	4,4'-DDD	0.028	J
72-55-9	4,4'-DDE	0.048	P
50-29-3	4,4'-DDT	0.075	U
60-57-1	Dieldrin	0.12	P
959-98-8	Endosulfan I	0.025	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
76-44-8	Heptachlor	0.013	U
1024-57-3	Heptachlor Epoxide	0.013	U
72-43-5	Methoxychlor	0.13	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U
53494-70-5	Endrin Ketone	0.13	U
5103-74-2	gamma-Chlordane	0.016	
5103-71-9	alpha-Chlordane	0.018	JP

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix: (soil/water) WATER Lab Sample ID: 908905

Sample wt/vol: 500.0 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: 02/10/06

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:02/12/06

Concentrated Extract Volume: 2500(uL) Date Analyzed: 02/17/06

Injection Volume: 2.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
309-00-2	Aldrin	0.013	U
319-85-7	beta-BHC	0.025	U
319-84-6	alpha-BHC	0.013	U
319-86-8	delta-BHC	0.013	U
58-89-9	gamma-BHC (Lindane)	0.013	U
72-54-8	4,4'-DDD	0.050	U
72-55-9	4,4'-DDE	0.025	U
50-29-3	4,4'-DDT	0.018	J
60-57-1	Dieldrin	0.025	U
959-98-8	Endosulfan I	0.025	U
33213-65-9	Endosulfan II	0.050	U
1031-07-8	Endosulfan sulfate	0.050	U
72-20-8	Endrin	0.050	U
7421-93-4	Endrin Aldehyde	0.050	U
76-44-8	Heptachlor	0.0092	JBP
1024-57-3	Heptachlor Epoxide	0.013	U
72-43-5	Methoxychlor	0.13	U
8001-35-2	Toxaphene	2.5	U
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U
53494-70-5	Endrin Ketone	0.13	U
5103-74-2	gamma-Chlordane	0.020	P
5103-71-9	alpha-Chlordane	0.025	U

FORM I PEST

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix (soil/water): WATER Lab Sample ID: 908901

Level (low/med): LOW Date Received: 2/10/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.2	B		P
7440-38-2	Arsenic	1.4	U		P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.20	U		P
7440-47-3	Chromium	6.2	B		P
7440-50-8	Copper	1.9	B		P
7439-92-1	Lead	2.7	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	5.2	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.50	U		P
7440-28-0	Thallium	8.0	B		P
7440-66-6	Zinc	42.3			P
57-12-5	Cyanide	2.0	B		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix (soil/water): WATER Lab Sample ID: 908902

Level (low/med): LOW Date Received: 2/10/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.4	U		P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.20	U		P
7440-47-3	Chromium	1.9	B		P
7440-50-8	Copper	1.8	B		P
7439-92-1	Lead	2.0	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.7	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.50	U		P
7440-28-0	Thallium	3.9	U		P
7440-66-6	Zinc	10.2	B		P
57-12-5	Cyanide	0.70	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix (soil/water): WATER Lab Sample ID: 908903

Level (low/med): LOW Date Received: 2/10/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.4	B		P
7440-38-2	Arsenic	6.8	B		P
7440-41-7	Beryllium	0.36	B		P
7440-43-9	Cadmium	0.20	U		P
7440-47-3	Chromium	11.1			P
7440-50-8	Copper	6.4			P
7439-92-1	Lead	4.5			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	7.6	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.50	U		P
7440-28-0	Thallium	3.9	U		P
7440-66-6	Zinc	16.3	B		P
57-12-5	Cyanide	4.1	B		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-4

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix (soil/water): WATER Lab Sample ID: 908904

Level (low/med): LOW Date Received: 2/10/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.4	U		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.20	U		P
7440-47-3	Chromium	4.0	B		P
7440-50-8	Copper	1.3	B		P
7439-92-1	Lead	1.0	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.6	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.50	U		P
7440-28-0	Thallium	3.9	U		P
7440-66-6	Zinc	7.5	B		P
57-12-5	Cyanide	0.70	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-5

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9089

Matrix (soil/water): WATER Lab Sample ID: 908905

Level (low/med): LOW Date Received: 2/10/2006

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.2	U		P
7440-38-2	Arsenic	1.4	U		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.20	U		P
7440-47-3	Chromium	1.3	B		P
7440-50-8	Copper	0.72	B		P
7439-92-1	Lead	1.0	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.1	B		P
7782-49-2	Selenium	3.3	U		P
7440-22-4	Silver	0.50	U		P
7440-28-0	Thallium	3.9	U		P
7440-66-6	Zinc	13.3	B		P
57-12-5	Cyanide	0.70	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902401A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 7 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
107-02-8	Acrolein	54	U
75-35-4	1,1-Dichloroethene	5.4	U
75-09-2	Methylene Chloride	5.4	U
107-13-1	Acrylonitrile	54	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon Tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
110-75-8	2-chloroethyl vinyl ether	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-88-3	Toluene	5.4	U
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	5.4	U
75-25-2	Bromoform	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902401A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 7 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	111-84-2	NONANE	12.46	57	NJ
2.	13151-34-3	DECANE, 3-METHYL-	13.10	39	NJ
3.	1120-21-4	UNDECANE	13.33	150	NJ
4.		UNKNOWN	13.47	44	J
5.		BRANCHED ALKANE	13.79	41	J
6.		STRAIGHT-CHAIN ALKANE	13.86	40	J
7.		BRANCHED ALKANE	13.94	51	J
8.	62108-21-8	DECANE, 6-ETHYL-2-METHYL-	14.16	96	NJ
9.		STRAIGHT-CHAIN ALKANE	14.63	46	J
10.		BRANCHED ALKANE	14.79	74	J
11.	629-50-5	TRIDECANE	15.03	170	NJ
12.		BRANCHED ALKANE	15.23	56	J
13.		BRANCHED ALKANE	15.51	40	J
14.		BRANCHED ALKANE	15.64	45	J
15.	629-59-4	TETRADECANE	16.01	50	NJ
16.					
17.					
18.					
19.					
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22.					
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24.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902402A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 10 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.6	U
75-01-4	Vinyl Chloride	5.6	U
74-83-9	Bromomethane	5.6	U
75-00-3	Chloroethane	5.6	U
107-02-8	Acrolein	56	U
75-35-4	1,1-Dichloroethene	5.6	U
75-09-2	Methylene Chloride	5.6	U
107-13-1	Acrylonitrile	56	U
156-60-5	trans-1,2-Dichloroethene	5.6	U
75-34-3	1,1-Dichloroethane	5.6	U
67-66-3	Chloroform	5.6	U
71-55-6	1,1,1-Trichloroethane	5.6	U
56-23-5	Carbon Tetrachloride	5.6	U
71-43-2	Benzene	5.6	U
107-06-2	1,2-Dichloroethane	5.6	U
79-01-6	Trichloroethene	5.6	U
78-87-5	1,2-Dichloropropane	5.6	U
75-27-4	Bromodichloromethane	5.6	U
110-75-8	2-chloroethyl vinyl ether	5.6	U
10061-01-5	cis-1,3-Dichloropropene	5.6	U
108-88-3	Toluene	0.66	J
10061-02-6	trans-1,3-Dichloropropene	5.6	U
79-00-5	1,1,2-Trichloroethane	5.6	U
127-18-4	Tetrachloroethene	5.6	U
124-48-1	Dibromochloromethane	5.6	U
108-90-7	Chlorobenzene	5.6	U
100-41-4	Ethylbenzene	5.6	U
75-25-2	Bromoform	5.6	U
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902402A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 10 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 15 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	124-18-5	DECANE	12.47	18	NJ
2.		BRANCHED ALKANE	12.68	7.3	J
3.		BRANCHED ALKANE	12.98	5.8	J
4.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	13.07	7.7	NJ
5.	1120-21-4	UNDECANE	13.33	19	NJ
6.		STRAIGHT-CHAIN ALKANE	14.16	12	J
7.	504-44-9	HEXADECANE, 2,6,11,15-TETRAM	14.79	11	NJ
8.	629-50-5	TRIDECANE	15.03	33	NJ
9.		STRAIGHT-CHAIN ALKANE	15.14	9.3	J
10.		BRANCHED ALKANE	15.22	6.4	J
11.		UNKNOWN	15.52	6.2	J
12.		UNKNOWN	15.64	6.1	J
13.		UNKNOWN	15.74	6.4	J
14.		BRANCHED ALKANE	15.81	6.0	J
15.	629-78-7	HEPTADECANE	16.01	10	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902403A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 8 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.4	U
75-01-4	Vinyl Chloride	5.4	U
74-83-9	Bromomethane	5.4	U
75-00-3	Chloroethane	5.4	U
107-02-8	Acrolein	54	U
75-35-4	1,1-Dichloroethene	5.4	U
75-09-2	Methylene Chloride	5.4	U
107-13-1	Acrylonitrile	54	U
156-60-5	trans-1,2-Dichloroethene	5.4	U
75-34-3	1,1-Dichloroethane	5.4	U
67-66-3	Chloroform	5.4	U
71-55-6	1,1,1-Trichloroethane	5.4	U
56-23-5	Carbon Tetrachloride	5.4	U
71-43-2	Benzene	5.4	U
107-06-2	1,2-Dichloroethane	5.4	U
79-01-6	Trichloroethene	5.4	U
78-87-5	1,2-Dichloropropane	5.4	U
75-27-4	Bromodichloromethane	5.4	U
110-75-8	2-chloroethyl vinyl ether	5.4	U
10061-01-5	cis-1,3-Dichloropropene	5.4	U
108-88-3	Toluene	0.65	J
10061-02-6	trans-1,3-Dichloropropene	5.4	U
79-00-5	1,1,2-Trichloroethane	5.4	U
127-18-4	Tetrachloroethene	5.4	U
124-48-1	Dibromochloromethane	5.4	U
108-90-7	Chlorobenzene	5.4	U
100-41-4	Ethylbenzene	2.0	J
75-25-2	Bromoform	5.4	U
79-34-5	1,1,2,2-Tetrachloroethane	5.4	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902403A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 8 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	7785-70-8	(1R)-2,6,6-TRIMETHYLBICYCLO[	12.12	22	NJ
2.	124-18-5	DECANE	12.47	42	NJ
3.		CYCLIC ALKANE	12.52	12	J
4.		BRANCHED ALKANE	12.68	14	J
5.		BRANCHED ALKANE	12.85	9.5	J
6.		BRANCHED ALKANE	12.98	13	J
7.		CYCLIC ALKANE	12.99	17	J
8.		BRANCHED ALKANE	13.02	13	J
9.		BRANCHED ALKANE	13.10	12	J
10.	1120-21-4	UNDECANE	13.32	40	NJ
11.		UNKNOWN	13.41	12	J
12.		UNKNOWN	13.48	9.8	J
13.		BRANCHED ALKANE	13.57	9.3	J
14.		STRAIGHT-CHAIN ALKANE	14.16	14	J
15.	629-50-5	TRIDECANE	15.03	21	NJ
16.					
17.					
18.					
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-8

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902404A90

Level: (low/med) MED Date Received: 02/03/06

% Moisture: not dec. 10 Date Analyzed: 02/08/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:(5000)(ul) Soil Aliquot Volume: 100(ul)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	280	U
75-01-4	Vinyl Chloride	280	U
74-83-9	Bromomethane	280	U
75-00-3	Chloroethane	280	U
107-02-8	Acrolein	2800	U
75-35-4	1,1-Dichloroethene	280	U
75-09-2	Methylene Chloride	280	U
107-13-1	Acrylonitrile	2800	U
156-60-5	trans-1,2-Dichloroethene	280	U
75-34-3	1,1-Dichloroethane	280	U
67-66-3	Chloroform	280	U
71-55-6	1,1,1-Trichloroethane	280	U
56-23-5	Carbon Tetrachloride	280	U
71-43-2	Benzene	280	U
107-06-2	1,2-Dichloroethane	280	U
79-01-6	Trichloroethene	280	U
78-87-5	1,2-Dichloropropane	280	U
75-27-4	Bromodichloromethane	280	U
110-75-8	2-chloroethyl vinyl ether	280	U
10061-01-5	cis-1,3-Dichloropropene	280	U
108-88-3	Toluene	280	U
10061-02-6	trans-1,3-Dichloropropene	280	U
79-00-5	1,1,2-Trichloroethane	280	U
127-18-4	Tetrachloroethene	280	U
124-48-1	Dibromochloromethane	280	U
108-90-7	Chlorobenzene	280	U
100-41-4	Ethylbenzene	90	J
75-25-2	Bromoform	280	U
79-34-5	1,1,2,2-Tetrachloroethane	280	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-3SS-8

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902404A90

Level: (low/med) MED Date Received: 02/03/06

% Moisture: not dec. 10 Date Analyzed: 02/08/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume: 5000(ul) Soil Aliquot Volume: 100(ul

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	11.14	7000	J
2.		BRANCHED ALKANE	11.74	5600	J
3.		UNKNOWN	11.77	7300	J
4.	2051-30-1	OCTANE, 2,6-DIMETHYL-	11.85	7500	NJ
5.	696-29-7	CYCLOHEXANE, (1-METHYLETHYL)	12.03	5900	NJ
6.		BRANCHED ALKANE	12.10	7600	J
7.		BRANCHED ALKANE	12.12	8100	J
8.	103-65-1	BENZENE, PROPYL-	12.46	6500	NJ
9.		BRANCHED ALKANE	12.68	6100	J
10.	108-67-8	BENZENE, 1,3,5-TRIMETHYL-	12.87	17000	NJ
11.		CYCLIC ALKANE	12.99	15000	J
12.	99-87-6	BENZENE, 1-METHYL-4-(1-METHY	13.60	6500	NJ
13.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	13.66	7200	NJ
14.		SUBSTITUTED BENZENE	13.99	5500	J
15.	527-84-4	BENZENE, 1-METHYL-2-(1-METHY	14.03	7100	NJ
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FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Method: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902405A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 12 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	5.7	U
75-01-4	Vinyl Chloride	5.7	U
74-83-9	Bromomethane	5.7	U
75-00-3	Chloroethane	5.7	U
107-02-8	Acrolein	57	U
75-35-4	1,1-Dichloroethene	5.7	U
75-09-2	Methylene Chloride	5.7	U
107-13-1	Acrylonitrile	57	U
156-60-5	trans-1,2-Dichloroethene	5.7	U
75-34-3	1,1-Dichloroethane	5.7	U
67-66-3	Chloroform	5.7	U
71-55-6	1,1,1-Trichloroethane	5.7	U
56-23-5	Carbon Tetrachloride	5.7	U
71-43-2	Benzene	5.7	U
107-06-2	1,2-Dichloroethane	5.7	U
79-01-6	Trichloroethene	5.7	U
78-87-5	1,2-Dichloropropane	5.7	U
75-27-4	Bromodichloromethane	5.7	U
110-75-8	2-chloroethyl vinyl ether	5.7	U
10061-01-5	cis-1,3-Dichloropropene	5.7	U
108-88-3	Toluene	5.7	U
10061-02-6	trans-1,3-Dichloropropene	5.7	U
79-00-5	1,1,2-Trichloroethane	5.7	U
127-18-4	Tetrachloroethene	5.7	U
124-48-1	Dibromochloromethane	5.7	U
108-90-7	Chlorobenzene	5.7	U
100-41-4	Ethylbenzene	5.7	U
75-25-2	Bromoform	5.7	U
79-34-5	1,1,2,2-Tetrachloroethane	5.7	U

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Contract: 8260B

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 902405A90

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: not dec. 12 Date Analyzed: 02/06/06

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902401A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 7 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/09/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	350	U
108-95-2	Phenol	350	U
111-44-4	Bis(2-chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
621-64-7	N-Nitroso-di-N-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	Bis(2-chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
91-58-7	2-Chloronaphthalene	350	U
131-11-3	Dimethylphthalate	350	U
606-20-2	2,6-Dinitrotoluene	350	U
208-96-8	Acenaphthylene	350	U
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	710	U
100-02-7	4-Nitrophenol	710	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U

9a.

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902401A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 7 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/09/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	710	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
122-66-7	1,2-Diphenylhydrazine	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	710	U
85-01-8	Phenanthrene	76	J
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	120	J
92-87-5	Benzidine	710	U
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
117-81-7	bis(2-ethylhexyl)Phthalate	950	
56-55-3	Benzo(a)anthracene	68	J
218-01-9	Chrysene	64	J
117-84-0	Di-n-octylphthalate	270	J
205-99-2	Benzo(b)fluoranthene	59	J
207-08-9	Benzo(k)fluoranthene	67	J
50-32-8	Benzo(a)pyrene	64	J
193-39-5	Indeno(1,2,3-cd)pyrene	32	J
53-70-3	Dibenzo(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902401A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 7 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/09/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.85	150	J
2.		UNKNOWN	3.20	5000	J
3.		UNKNOWN	9.70	250	J
4.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.04	240	NJ
5.					
6.					
7.					
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FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902402A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	370	U
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
621-64-7	N-Nitroso-di-N-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
91-58-7	2-Chloronaphthalene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	730	U
100-02-7	4-Nitrophenol	730	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902402A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	730	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
122-66-7	1,2-Diphenylhydrazine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	730	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
92-87-5	Benzidine	730	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
117-81-7	bis(2-ethylhexyl)Phthalate	280	J
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902402A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.88	540	J
2.		UNKNOWN	3.31	45000	J
3.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.04	190	NJ
4.		UNKNOWN	19.15	180	J
5.		STRAIGHT-CHAIN ALKANE	20.24	170	J
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902403JA64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	360	U
108-95-2	Phenol	360	U
111-44-4	Bis(2-chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
95-50-1	1,2-Dichlorobenzene	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
621-64-7	N-Nitroso-di-N-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	Bis(2-chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	36	J
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
91-58-7	2-Chloronaphthalene	360	U
131-11-3	Dimethylphthalate	360	U
606-20-2	2,6-Dinitrotoluene	360	U
208-96-8	Acenaphthylene	360	U
83-32-9	Acenaphthene	130	J
51-28-5	2,4-Dinitrophenol	720	U
100-02-7	4-Nitrophenol	720	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	170	J

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902403JA64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 8 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	720	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
122-66-7	1,2-Diphenylhydrazine	360	U
101-55-3	4-Bromophenyl-phenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	720	U
85-01-8	Phenanthrene	1300	
120-12-7	Anthracene	320	J
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	1500	
92-87-5	Benzidine	720	U
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
117-81-7	bis(2-ethylhexyl)Phthalate	1900	
56-55-3	Benzo(a)anthracene	730	
218-01-9	Chrysene	770	
117-84-0	Di-n-octylphthalate	250	J
205-99-2	Benzo(b)fluoranthene	570	
207-08-9	Benzo(k)fluoranthene	730	
50-32-8	Benzo(a)pyrene	640	
193-39-5	Indeno(1,2,3-cd)pyrene	220	J
53-70-3	Dibenzo(a,h)anthracene	68	J
191-24-2	Benzo(g,h,i)perylene	190	J

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902403JA64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 8 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.22	9800	J
2.		UNKNOWN	5.20	830	J
3.		UNKNOWN ALKANE	7.10	420	J
4.		UNKNOWN ALKANE	9.71	700	J
5.		UNKNOWN	16.09	280	J
6.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.09	2400	NJ
7.		UNKNOWN PAH	18.24	260	J
8.		UNKNOWN ALKANE	20.26	250	J
9.		STRAIGHT-CHAIN ALKANE	20.77	380	J
10.		UNKNOWN	20.93	240	J
11.		STRAIGHT-CHAIN ALKANE	21.29	720	J
12.		UNKNOWN	21.62	410	J
13.		UNKNOWN	21.69	330	J
14.		STRAIGHT-CHAIN ALKANE	21.84	680	J
15.		UNKNOWN PAH	21.89	550	J
16.		UNKNOWN	22.03	270	J
17.		UNKNOWN	22.27	350	J
18.		STRAIGHT-CHAIN ALKANE	22.44	460	J
19.		UNKNOWN	22.91	250	J
20.		STRAIGHT-CHAIN ALKANE	23.09	260	J
21.		UNKNOWN	23.13	390	J
22.		UNKNOWN	23.73	460	J
23.		UNKNOWN	23.79	250	J
24.		UNKNOWN	24.47	270	J
25.		UNKNOWN	25.11	280	J
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-8

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902404A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	370	U
108-95-2	Phenol	370	U
111-44-4	Bis(2-chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
95-50-1	1,2-Dichlorobenzene	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
621-64-7	N-Nitroso-di-N-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	Bis(2-chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	1000	
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
91-58-7	2-Chloronaphthalene	370	U
131-11-3	Dimethylphthalate	370	U
606-20-2	2,6-Dinitrotoluene	370	U
208-96-8	Acenaphthylene	370	U
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	730	U
100-02-7	4-Nitrophenol	730	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-3SS-8

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902404A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted: 02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	730	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
122-66-7	1,2-Diphenylhydrazine	370	U
101-55-3	4-Bromophenyl-phenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	730	U
85-01-8	Phenanthrene	110	J
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	40	J
206-44-0	Fluoranthene	370	U
92-87-5	Benzidine	730	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
117-81-7	bis(2-ethylhexyl)Phthalate	2900	
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U

(1) - Cannot be separated from Diphenylamine

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.
SB-3SS-8

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902404A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 10 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.21	3200	J
2.		UNKNOWN	5.05	1600	J
3.	526-73-8	BENZENE, 1,2,3-TRIMETHYL-	5.54	2900	NJ
4.		UNKNOWN	5.86	1700	J
5.		UNKNOWN ALKANE	5.95	1700	J
6.		BRANCHED ALKANE	5.99	1700	J
7.		BRANCHED ALKANE	6.08	1700	J
8.		UNKNOWN ALKANE	6.17	2400	J
9.		UNKNOWN	6.44	2000	J
10.		UNKNOWN ALKANE	6.51	2300	J
11.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	6.81	2700	NJ
12.	933-98-2	BENZENE, 1-ETHYL-2,3-DIMETHY	7.35	3600	NJ
13.	934-80-5	BENZENE, 4-ETHYL-1,2-DIMETHY	7.42	2500	NJ
14.		CYCLIC ALKANE	12.59	1600	J
15.		CYCLIC ALKANE	13.65	3200	J
16.		UNKNOWN CYCLOALKANE	14.05	2700	J
17.		UNKNOWN ALKANE	14.10	8600	J
18.		UNKNOWN CYCLOALKANE	14.15	2400	J
19.		UNKNOWN	14.23	1800	J
20.		UNKNOWN	14.37	1800	J
21.		STRAIGHT-CHAIN ALKANE	14.46	2100	J
22.		UNKNOWN	14.53	2100	J
23.		CYCLIC ALKANE	14.64	4200	J
24.		UNKNOWN ALKANE	15.04	4400	J
25.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.15	7200	NJ
26.					
27.					
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FORM I SV-TIC

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902405A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	380	U
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
621-64-7	N-Nitroso-di-N-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
91-58-7	2-Chloronaphthalene	380	U
131-11-3	Dimethylphthalate	380	U
606-20-2	2,6-Dinitrotoluene	380	U
208-96-8	Acenaphthylene	380	U
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	750	U
100-02-7	4-Nitrophenol	750	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902405A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
534-52-1	4,6-Dinitro-2-methylphenol	750	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
122-66-7	1,2-Diphenylhydrazine	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	750	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
92-87-5	Benzidine	750	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
117-81-7	bis(2-ethylhexyl) Phthalate	370	J
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U

(1) - Cannot be separated from Diphenylamine

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Method: 8270C

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 902405A64

Level: (low/med) LOW Date Received: 02/03/06

% Moisture: 12 decanted: (Y/N) N Date Extracted:02/09/06

Concentrated Extract Volume: 1000(uL) Date Analyzed: 02/10/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.21	4800	J
2.	10544-50-0	CYCLIC OCTAATOMIC SULFUR	17.06	510	NJ
3.					
4.					
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FORM I SV-TIC

SW846 - METALS

-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix (soil/water): SOIL Lab Sample ID: 902401

Level (low/med): LOW Date Received: 2/3/2006

% Solids: 92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.34	B		P
7440-38-2	Arsenic	0.88	B	*	P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.02	U		P
7440-47-3	Chromium	5.1			P
7440-50-8	Copper	5.1		*	P
7439-92-1	Lead	15.6		*E	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	2.8	B		P
7782-49-2	Selenium	0.36	U	N	P
7440-22-4	Silver	0.05	U		P
7440-28-0	Thallium	0.73	B	N	P
7440-66-6	Zinc	330		*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

SOIL METAL
Golder 2007

EPA SAMPLE NO.
SB-2SS-3

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix (soil/water): SOIL Lab Sample ID: 902402

Level (low/med): LOW Date Received: 2/3/2006

% Solids: 90.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.80	B		P
7440-38-2	Arsenic	2.8		*	P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.02	U		P
7440-47-3	Chromium	39.0			P
7440-50-8	Copper	3.7		*	P
7439-92-1	Lead	3.2		*E	P
7439-97-6	Mercury	0.018	U		CV
7440-02-0	Nickel	1.8	B		P
7782-49-2	Selenium	0.34	U	N	P
7440-22-4	Silver	0.09	B		P
7440-28-0	Thallium	0.41	U	N	P
7440-66-6	Zinc	10.1		*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix (soil/water): SOIL Lab Sample ID: 902403

Level (low/med): LOW Date Received: 2/3/2006

% Solids: 92.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.51	B		P
7440-38-2	Arsenic	3.0		*	P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.06	B		P
7440-47-3	Chromium	7.8			P
7440-50-8	Copper	13.7		*	P
7439-92-1	Lead	21.7		*E	P
7439-97-6	Mercury	0.035			CV
7440-02-0	Nickel	5.9			P
7782-49-2	Selenium	0.34	U	N	P
7440-22-4	Silver	0.05	U		P
7440-28-0	Thallium	0.40	U	N	P
7440-66-6	Zinc	35.2		*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS
-1-

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
SB-3SS-8

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix (soil/water): SOIL Lab Sample ID: 902404

Level (low/med): LOW Date Received: 2/3/2006

% Solids: 90.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.16	B		P
7440-38-2	Arsenic	0.53	B	*	P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.02	U		P
7440-47-3	Chromium	3.8			P
7440-50-8	Copper	1.6		*	P
7439-92-1	Lead	1.2		*E	P
7439-97-6	Mercury	0.017	U		CV
7440-02-0	Nickel	2.2	B		P
7782-49-2	Selenium	0.35	U	N	P
7440-22-4	Silver	0.05	U		P
7440-28-0	Thallium	0.42	U	N	P
7440-66-6	Zinc	4.9		*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

SW846 - METALS

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.: SB-4-SS-1

Lab Name: COMPUCHEM Contract:

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix (soil/water): SOIL Lab Sample ID: 902405

Level (low/med): LOW Date Received: 2/3/2006

% Solids: 87.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.16	B		P
7440-38-2	Arsenic	0.29	B	*	P
7440-41-7	Beryllium	0.06	B		P
7440-43-9	Cadmium	0.02	U		P
7440-47-3	Chromium	2.2			P
7440-50-8	Copper	1.2		*	P
7439-92-1	Lead	1.1		*E	P
7439-97-6	Mercury	0.019	U		CV
7440-02-0	Nickel	1.1	B		P
7782-49-2	Selenium	0.38	U	N	P
7440-22-4	Silver	0.06	U		P
7440-28-0	Thallium	0.44	U	N	P
7440-66-6	Zinc	1.6	B	*	P

Color Before: BROWN Clarity Before: Texture: COARSE

Color After: YELLOW Clarity After: Artifacts:

Comments:

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1SS-1

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902401

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 7 decanted: (Y/N) N Date Received: 02/03/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/04/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/24/06

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	2.3	U
319-85-7	beta-BHC	4.5	U
319-84-6	alpha-BHC	2.3	U
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
72-54-8	4,4'-DDD	73	
72-55-9	4,4'-DDE	25	
50-29-3	4,4'-DDT	19	
60-57-1	Dieldrin	4.6	
959-98-8	Endosulfan I	4.5	U
33213-65-9	Endosulfan II	9.0	U
1031-07-8	Endosulfan sulfate	9.0	U
72-20-8	Endrin	9.0	U
7421-93-4	Endrin Aldehyde	9.0	U
76-44-8	Heptachlor	2.3	U
1024-57-3	Heptachlor Epoxide	2.3	U
72-43-5	Methoxychlor	22	U
8001-35-2	Toxaphene	450	U
12674-11-2	Aroclor-1016	170	U
11104-28-2	Aroclor-1221	670	U
11141-16-5	Aroclor-1232	170	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	110	U
11097-69-1	Aroclor-1254	110	U
11096-82-5	Aroclor-1260	170	U
53494-70-5	Endrin Ketone	22	U
5103-74-2	gamma-Chlordane	11	
5103-71-9	alpha-Chlordane	10	

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2SS-3

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902402

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 10 decanted: (Y/N) N Date Received: 02/03/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/04/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/24/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.47	U
319-85-7	beta-BHC	0.92	U
319-84-6	alpha-BHC	0.47	U
319-86-8	delta-BHC	0.47	U
58-89-9	gamma-BHC (Lindane)	0.47	U
72-54-8	4,4'-DDD	22	
72-55-9	4,4'-DDE	3.4	P
50-29-3	4,4'-DDT	3.4	P
60-57-1	Dieldrin	0.92	U
959-98-8	Endosulfan I	0.77	JP
33213-65-9	Endosulfan II	1.9	U
1031-07-8	Endosulfan sulfate	1.9	U
72-20-8	Endrin	1.9	U
7421-93-4	Endrin Aldehyde	1.9	U
76-44-8	Heptachlor	0.47	U
1024-57-3	Heptachlor Epoxide	1.1	P
72-43-5	Methoxychlor	4.6	U
8001-35-2	Toxaphene	92	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	23	U
12672-29-6	Aroclor-1248	23	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	44	
53494-70-5	Endrin Ketone	4.6	U
5103-74-2	gamma-Chlordane	4.1	P
5103-71-9	alpha-Chlordane	5.7	P

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3SS-2

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902403

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 8 decanted: (Y/N) N Date Received: 02/03/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/04/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/24/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.46	U
319-85-7	beta-BHC	0.90	U
319-84-6	alpha-BHC	0.46	U
319-86-8	delta-BHC	0.46	U
58-89-9	gamma-BHC (Lindane)	0.46	U
72-54-8	4,4'-DDD	6.4	
72-55-9	4,4'-DDE	4.9	
50-29-3	4,4'-DDT	2.7	U
60-57-1	Dieldrin	0.97	P
959-98-8	Endosulfan I	0.90	U
33213-65-9	Endosulfan II	1.8	U
1031-07-8	Endosulfan sulfate	1.8	U
72-20-8	Endrin	1.8	U
7421-93-4	Endrin Aldehyde	1.8	U
76-44-8	Heptachlor	0.42	J
1024-57-3	Heptachlor Epoxide	0.46	U
72-43-5	Methoxychlor	5.0	
8001-35-2	Toxaphene	90	U
12674-11-2	Aroclor-1016	34	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	23	U
12672-29-6	Aroclor-1248	23	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U
53494-70-5	Endrin Ketone	4.5	U
5103-74-2	gamma-Chlordane	3.5	
5103-71-9	alpha-Chlordane	6.2	P

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3SS-8

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902404

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 10 decanted: (Y/N) N Date Received: 02/03/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:02/04/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/24/06

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	4.7	U
319-85-7	beta-BHC	9.2	U
319-84-6	alpha-BHC	4.7	U
319-86-8	delta-BHC	4.7	U
58-89-9	gamma-BHC (Lindane)	4.7	U
72-54-8	4,4'-DDD	19	U
72-55-9	4,4'-DDE	9.2	U
50-29-3	4,4'-DDT	74	P
60-57-1	Dieldrin	9.1	J
959-98-8	Endosulfan I	9.2	U
33213-65-9	Endosulfan II	19	U
1031-07-8	Endosulfan sulfate	19	U
72-20-8	Endrin	19	U
7421-93-4	Endrin Aldehyde	19	U
76-44-8	Heptachlor	4.7	U
1024-57-3	Heptachlor Epoxide	4.7	U
72-43-5	Methoxychlor	46	U
8001-35-2	Toxaphene	920	U
12674-11-2	Aroclor-1016	340	U
11104-28-2	Aroclor-1221	1400	U
11141-16-5	Aroclor-1232	340	U
53469-21-9	Aroclor-1242	230	U
12672-29-6	Aroclor-1248	230	U
11097-69-1	Aroclor-1254	230	U
11096-82-5	Aroclor-1260	2400	
53494-70-5	Endrin Ketone	46	U
5103-74-2	gamma-Chlordane	10	P
5103-71-9	alpha-Chlordane	4.8	J

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4-SS-1

Lab Name: COMPUCHEM Contract: 8081A-8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 9024

Matrix: (soil/water) SOIL Lab Sample ID: 902405

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 02/03/06

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/04/06

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/24/06

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
309-00-2	Aldrin	0.48	U
319-85-7	beta-BHC	0.94	U
319-84-6	alpha-BHC	0.48	U
319-86-8	delta-BHC	0.48	U
58-89-9	gamma-BHC (Lindane)	0.48	U
72-54-8	4,4'-DDD	1.9	U
72-55-9	4,4'-DDE	0.94	U
50-29-3	4,4'-DDT	2.8	U
60-57-1	Dieldrin	0.94	U
959-98-8	Endosulfan I	0.94	U
33213-65-9	Endosulfan II	1.9	U
1031-07-8	Endosulfan sulfate	1.9	U
72-20-8	Endrin	1.9	U
7421-93-4	Endrin Aldehyde	1.9	U
76-44-8	Heptachlor	0.48	U
1024-57-3	Heptachlor Epoxide	0.48	U
72-43-5	Methoxychlor	4.7	U
8001-35-2	Toxaphene	94	U
12674-11-2	Aroclor-1016	35	U
11104-28-2	Aroclor-1221	140	U
11141-16-5	Aroclor-1232	35	U
53469-21-9	Aroclor-1242	24	U
12672-29-6	Aroclor-1248	24	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	35	U
53494-70-5	Endrin Ketone	4.7	U
5103-74-2	gamma-Chlordane	0.24	J
5103-71-9	alpha-Chlordane	0.94	U

FORM I PEST