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October 28, 2004

Jeffrey Trad, P.E.
New York State department of Environmental Conservation
Bureau of Construction Services
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7013

Re: Final Remedial Action Completion Report Amendment
Quest Diagnostics Clinical Laboratories, Incorporated
Former Magnusonic Site
Hicksville, New York

Dear Mr. Trad:

Roux Associates, Inc. and Remedial Engineering, P.C. (collectively referred herein as Roux Associates), is submitting this letter report to the New York State Department of Environmental Conservation (NYSDEC) to request site closure at the Former Magnusonic Devices, Inc. Facility (Site No. 1-30-031) in Hicksville, New York (Site), on behalf of Quest Diagnostics Incorporated (Quest). This request for closure is based on the completion of remedial activities and the results of the post-remedial action groundwater monitoring at the Site. The remedial activities were performed from July 20, 2001 to November 30, 2001 in accordance with the requirements of the Final Contract Documents for Remedial Construction (February 22, 2001), the Record of Decision (ROD [March 29, 1999]), and the Order on Consent for the Remedial Action (Index No. W1-0865-00-03 [June 16, 2000]). The remedial activities are documented in the report entitled "Remedial Action Completion Report" (July 9, 2000). The post-remedial action groundwater monitoring activities were performed from February 11, 2002 to February 27, 2004 in accordance with the NYSDEC Consent Order, which required groundwater conditions at the Site to be monitored for a period of two years as part of the post-remediation action operation and maintenance plan (O&M Plan) for the Site (July 9, 2000).

Site Background

The Site is located in an industrial area of the City of Hicksville, Long Island, New York (Figure 1). The Site is bounded to the north by the Long Island Rail Road and the former AGO construction debris landfill, to the south by Duffy Avenue, to the west by Oyster Bay Stone and Gravel, Inc., and Twin County Recycling, and to the east by ALSY Corporation.

The Site consists of a three-acre parcel of land containing a 53,000 square foot concrete-block building situated in the central and southern portions of the property (Figure 2). The entire site is either paved or covered by the main building structure. A former truck loading area is located immediately adjacent to the northeastern portion of the building. The northernmost and southernmost portions of the Site were previously used as parking areas. The Site previously functioned as a manufacturing facility for computer tape recording heads and is currently occupied by a variety of commercial businesses.

Prior to 1947, the Site was zoned for residential use; however, it is unknown if the Site was developed for this purpose. Based on a Town of Oyster Bay, Nassau County, Zoning Map, as of March 31, 1959, the Site was zoned as light industrial. From 1947 through 1961, the following businesses occupied the Site:

- Master Craftsman, Inc. (1947);
- Long Island Lighting Company (1947-1948);
- W.J. Sloane (1948-1950); and
- Balatem Corporation (1950-1961).

Mr. Milton S. Stevens purchased the property in the 1960s and built a warehouse to operate a direct mail business. In 1977, the property was leased by Mr. Stevens to Magnusonic Devices, Inc. (Magnusonic).

Magnusonic manufactured computer tape recording heads that included the following processes:

- assembly of tape head housings;
- photographic etching of thin sheet metal (i.e., brass and copper) laminates in the fabrication of miniature, coil-wound cores;
- copper and chrome electroplating of tape heads for magnetic shielding and wear resistance;
- assembly operations, such as coil winding, laminating, soldering, potting, lapping and polishing; and
- various electrical and mechanical inspection operations to maintain product quality.

The following substances/wastes were reportedly used or generated by Magnusonic:

- ferric hydroxide sludge;
- ferric chloride;

- photographic developer solution;
- chrome and copper plating solutions;
- coolants and hydraulic oils; and
- solvents (i.e., 1,1,1-trichloroethane, Freon® TF, and acetone).

Three of the above-referenced substances (ferric chloride, chrome and copper plating solutions, and solvents) are listed as Resource Conservation Recovery Act (RCRA) hazardous waste, while ferric hydroxide sludge, photographic developer solutions, coolants and hydraulic oils are not considered to be hazardous under RCRA.

Magnusonic operated an onsite wastewater treatment facility that used a physical-chemical treatment system to process rinse waters from its plating and chemical milling operations, and discharged the treated wastewaters into two leaching pools located adjacent to the northwestern portion of the building. NYSDEC documents indicate that during the period 1981 to 1985, Magnusonic discharged solvent and metal process water that exceeded regulatory limits into these leaching pools. Nickel, acetone, Freon® TF, 1,1,1-trichloroethane, trichloroethene, methylene chloride, and possibly other organic compounds were reported as having been discharged into the two leaching pools.

In 1984, the Site was placed on the New York State Registry of Inactive Hazardous Waste Disposal Sites as a Class 2a Site, or a site requiring investigations. However, the Site was reclassified to a Class 2 (a site that poses a significant threat to public health or the environment and require remedial action) inactive hazardous waste disposal site in 1990 based upon the confirmation of groundwater contamination detected during the Phase II Investigation.

In 1986, the facility was connected to the Nassau County Sewer System; however, Magnusonic did not have a Nassau County Pre-Treatment Permit. In December 1986, International Clinic Laboratories (ICL) purchased the Magnusonic property from Mr. Stevens, and manufacturing ceased shortly thereafter. The cleanup of the interior of the building was completed and approved by the NYSDEC in December 1987. In March 1988, ICL entered into an Order On Consent (Index #WP-045-83) with the NYSDEC to complete a Phase II investigation of the Site.

In late 1988, SmithKline Beecham Corporation acquired ICL, which became part of SmithKline Beecham Clinical Laboratories, Inc. (SmithKline Beecham). The Site remained inactive from the time it was purchased by SmithKline Beecham, until 1995 when the property was sold to 290 Industrial Company, LLC and leased to various commercial tenants.

Site Remediation Goals

Previous Site investigations characterized Site conditions and identified four Areas of Concern (AOCs) where metals and residual lead were the key constituents of concern. The ROD generally established the following goals for the remediation of the Site:

- reduce, control, or eliminate, to the extent practicable, significant potential threats to the environment resulting from the contaminants of concern present at the Site;
- eliminate the potential threat posed by the residual lead within those drywells which exceeded cleanup criteria standards;
- eliminate the potential threat to surface waters by eliminating future surface-water runoff from the impacted areas of the Site;
- eliminate the potential for direct human or animal contact;
- mitigate the potential impacts of groundwater, if any, to the environment; and
- prevent, to the extent possible, migration of constituents from the drywells and limits of excavation to groundwater and/or surface water.

Remedial Action

The key findings of the 1996 Site Remedial Investigation Report, the 1996 Supplemental Area 3 Investigation Report, other area specific investigations, and the 1998 Feasibility Study were associated with the identification and delineation of five specific areas and to determine the potential impacts of the previous activities at the Site in the subsurface. The NYSDEC selected Alternative 2 from the RI/FS, because the NYSDEC believed that it was the most protective of human health. Alternative 2 included Alternatives 2a and 2b as described in the ROD and is summarized below.

For the contaminated soil in the drywells in Areas 2, 4 and 5:

- excavation of two feet of contaminated soil below the invert at drywells DW-2A, DW-4 and DW-5;
- excavation of five feet of contaminated soil below the invert at drywells DW-2B and DW-2C;
- disposal of the excavated soil at the appropriate offsite disposal facilities;
- collection of end point samples;
- backfill of each drywell to their usable depths; and
- semi-annual groundwater monitoring for a period of two years.

For the contaminated soil at Area 3:

- asphalt removal and offsite disposal;
- sheeting and shoring;
- excavation of fill material to a depth of 10 to 12 feet below land surface;
- disposal of the excavated soil at the appropriate off-site disposal facilities;
- collection of end point samples; and
- backfill, compaction and site restoration.

Alternative 2 achieved both short-term and long-term effectiveness and permanence, significantly and permanently reducing the volume of contaminants at the Site.

Post-Remedial Action Groundwater Monitoring
Following the completion of the remedial action at the Site, the NYSDEC Consent Order required groundwater conditions at the Site to be monitored for a period of two years as part of the post-remediation O&M Plan. These monitoring activities included five rounds of monitoring of water levels and sampling of groundwater from six onsite monitoring wells. Data from the first monitoring round (February 2002) served as the baseline against which the remaining four rounds were compared.

For each sampling round, groundwater samples were collected and analyzed from three onsite shallow aquifer monitoring wells (MW-3, MW-4 and MW-6) and three onsite deep aquifer monitoring wells (MW-7A, MW-8 and MW-9). Each monitoring well was sampled in accordance with NYSDEC guidelines. Samples were analyzed for volatile organic compounds (VOCs) as per United States Environmental Protection Agency (USEPA) Method 8260, semi-volatile organic compounds (SVOCs) as per USEPA Method 8270 and metals as per USEPA Method 6010. A duplicate, matrix spike (MS) and matrix spike duplicate (MSD) sample was collected during each monitoring round. Groundwater samples from the first four rounds were analyzed by Ecotest Laboratories Inc., in North Babylon, New York.

Samples from the Fourth Round (last round) were analyzed by Severn Trent Laboratories, Inc., in Shelton, Connecticut. A summary of the data validation is included as Attachment 1. In addition, NYSDEC collected and analyzed split samples from all six monitoring wells during the Fourth Round. A copy of the NYSDEC's results and data validation is included as Attachment 2. Tables summarizing the data for the 2-year post-remedial action groundwater monitoring period are presented in Tables 1, 2, and 3 for VOCs, SVOCs, and metals, respectively.

The purged groundwater was temporarily containerized in 55-gallon drums. The groundwater concentrations from each monitoring well were compared to the NYSDEC

Ambient Water Quality Standards and Guidance Values (AWQSGVs). If the analytical results exceeded NYSDEC AWQSGVs, the purged groundwater was disposed offsite at an approved disposal facility with NYSDEC concurrence. If the analytical results were below the NYSDEC AWQSGVs, the purged groundwater was disposed onsite via storm drains with NYSDEC concurrence.

Throughout the 2-year post-remedial action groundwater monitoring period, VOC concentrations did not exceed the NYSDEC AWQSGVs in any monitoring well.

Only one SVOC, bis(2-ethylhexyl)phthalate (DEHP), was detected slightly above its NYSDEC AWQSGV of 5 micrograms per liter (µg/L) during the 2-year post-remedial action groundwater monitoring period. DEHP was not detected at concentrations exceeding its NYSDEC AWQSGV during the Baseline Round (February 2002). During the First (August 2002) and Second (February 2003) sampling rounds DEHP was detected in monitoring well MW-8 at a concentrations of 11 µg/L and 6 µg/L respectively. During the Third round (August 2003), DEHP was detected in monitoring well MW-7A at a concentration of 6.5 µg/L. DEHP was not detected at a concentration exceeding the respective NYSDEC AWQSGV of in any of the samples collected from monitoring wells during the last round (Fourth Round [February 2004]). The DEHP concentrations over time followed a decreasing trend.

Three metals (arsenic, chromium, and lead) were detected at concentrations slightly above their NYSDEC AWQSGV during the 2-year post-remedial action groundwater monitoring period. Arsenic and chromium were only detected during the Baseline Round. Lead was detected above its NYSDEC AWQSGVs of 25 µg/L in monitoring wells MW-4, MW-6 and MW-7A at concentrations of 36 µg/L, 31 µg/L, and 48 µg/L, respectively during the Baseline Round. Arsenic was detected above its NYSDEC AWQSGVs of 25 µg/L in monitoring wells MW-6 and MW-7A at concentrations of 50 µg/L and 41 µg/L, respectively. Chromium was detected above its NYSDEC AWQSGVs of 50 µg/L in monitoring well MW-6 at a concentration of 72 µg/L. During the First Round, lead was detected in MW-3 at a concentration of 31 µg/L. Lead was not detected at concentrations exceeding its NYSDEC AWQSGV during the Second and Third Round. Lead was detected in MW-6 at a concentration of 34.6 µg/L during the Fourth Round.

It should be noted that chromium was detected at a concentration of 190 µg/L in the duplicate sample of MW-9 during the First Round but was not detected in the corresponding parent sample. Roux Associates attributed this anomaly to laboratory error. Chromium was not detected in any other monitoring well after the First Round and it was not detected again in MW-9 during the 2-year post-remedial action groundwater monitoring period.

Conclusions and Recommendations for Site Closure

During the Fourth Round (last round), VOCs and SVOCs were not detected above their NYSDEC AWQSGVs in any onsite monitoring well and only one monitoring well

showed a detection of lead slightly above its NYSDEC AWQSGVs. Furthermore, the split samples collected by the NYSDEC indicated that lead was not detected above the AWQSGV during the Fourth Round. Based on these results, the groundwater quality beneath the Site can be classified as relatively clean. Therefore, a No Further Action (NFA) for the Site is proposed based upon the completion of the remedial activities and the results of the post-remedial action groundwater monitoring. In the event that a NFA is provided for the Site, Roux Associates will abandon all onsite monitoring wells in accordance with NYSDEC regulations. In the event that a NFA is not provided for the Site, Roux Associates request notification of any additional action that the NYSDEC would require to obtain Site closure.

Should there be any questions or comments on this submission, please do not hesitate to contact us at (631) 232-2600.

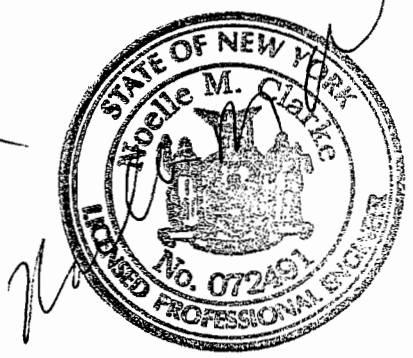
Sincerely,

ROUX ASSOCIATES, INC.

Sin Senh
Senior Hydrogeologist/
Project Manager

REMEDIAL ENGINEERING, P.C.

Noelle M. Clarke, P.E.
Principal Engineer



Attachments

cc: Ray Cowan, NYSDEC
Alali M. Tamuno, Esq., NYSDEC
Gary Litwin, NYS Department of Health
Geoffrey Lacetti, NYS Department of Health
Lee Braem, Esq., Quest Diagnostics, Incorporated
Clete Lewis, Quest Diagnostics, Incorporated
Mark Elmendorf, Roux Associates, Inc.
Omar Ramotar, P.E., Roux Associates, Inc.

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-3 02/11/02	MW-3 08/05/02	MW-3 02/19/03	MW-3 08/13/03	MW-3 02/27/04	MW-4 02/11/02	MW-4 08/05/02	MW-4 02/19/03	MW-4 08/13/03
1,1,1,2-Tetrachloroethane	5	NA	NA	1 U	1 U	NA	NA	NA	1 U	1 U
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	NA	1 U	5 U	1 U	1 U	NA	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2,4,5-Tetramethylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2-Dibromoethane	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
2,2-Dichloropropane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
2-Butanone	--	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Hexanone	--	NA	NA	NA	NA	10 U	NA	NA	NA	NA
2-Chlorotoluene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
4-Chlorotoluene	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	--	NA	NA	NA	NA	10 U	NA	NA	NA	NA
Acetone	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromobenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Bromodichloromethane	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromoform	--·	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Carbon disulfide	--	NA	NA	NA	NA	5 U	NA	NA	NA	NA
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	--	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Chlorodifluoromethane	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U

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Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-3 02/11/02	MW-3 08/05/02	MW-3 02/19/03	MW-3 08/13/03	MW-3 02/27/04	MW-4 02/11/02	MW-4 08/05/02	MW-4 02/19/03	MW-4 08/13/03
Chloromethane	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Dibromochloropropane	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Dibromomethane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Dichlordifluomethane	--	NA	NA	NA	1 U	NA	NA	NA	NA	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Freon 113	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Hexachloroethane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Isopropylbenzene	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
m+p-Xylene	--	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U	2 U
Methyl Ethyl Ketone	--	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Methylisobutylketone	--	NA	NA	10 U	10 U	NA	NA	NA	10 U	10 U
MTBE	--	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Naphthalene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
p Diethylbenzene	--	NA	NA	1 U	1 U	NA	NA	NA	1 U	1 U
p-Ethyltoluene	--	NA	NA	1 U	1 U	NA	NA	NA	1 U	1 U
p-Isopropyltoluene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	0.5	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U
Xylenes (total)	--	NA	NA	NA	NA	5 U	NA	NA	NA	NA

Notes:
U - Not Detected
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-4 02/27/04	MW-6 02/11/02	MW-6 08/05/02	MW-6 02/19/03	MW-6 08/13/03	MW-6 02/27/04	MW-7A 02/11/02	MW-7A (DUP) 02/11/02	MW-7A 08/05/02
1,1,1,2-Tetrachloroethane	5	NA	NA	NA	1 U	1 U	NA	NA	NA	NA
1,1,1-Trichloroethane	5	5 U	3	4	2	3	5 U	2	1 U	1 U
1,1,2,2-Tetrachloroethane	5	5 U	1 U	1 U	NA	1 U	5 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1,1-Dichloroethane	5	5 U	2	2	1 U	1	5 U	1 U	1 U	1 U
1,1-Dichloroethene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1,1-Dichloropropene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2,4,5-Tetramethylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2-Dibromoethane	--	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,2-Dichloroethane	0.6	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1,2-Dichloropropane	1	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,3-Dichloropropane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
1,4-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
2,2-Dichloropropane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
2-Butanone	--	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
2-Hexanone	--	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
2-Chlorotoluene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
4-Chlorotoluene	--	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
4-Methyl-2-pentanone	--	10 U	NA	NA	NA	NA	10 U	NA	NA	NA
Acetone	--	10 U	10 U	10 U	10 U	10 U	10 U	32	10 U	10 U
Benzene	1	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Bromobenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Bromochloromethane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Bromodichloromethane	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Bromoform	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Bromomethane	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Carbon disulfide	--	5 U	NA	NA	NA	NA	5 U	NA	NA	NA
Carbon Tetrachloride	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Chlorobenzene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	--	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Chlorodifluoromethane	--	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Chloroethane	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Chloroform	7	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-4 02/27/04	MW-6 02/11/02	MW-6 08/05/02	MW-6 02/19/03	MW-6 08/13/03	MW-6 02/27/04	MW-7A 02/11/02	MW-7A (DUP) 02/11/02	MW-7A 08/05/02
Chloromethane	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Dibromochloropropane	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Dibromomethane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Dichlordifluomethane	--	NA	NA	NA	NA	1 U	NA	NA	NA	NA
Ethylbenzene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Freon 113	--	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Hexachloroethane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Isopropylbenzene	--	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
m+p-Xylene	--	NA	2 U	2 U	2 U	2 U	NA	2 U	2 U	2 U
Methyl Ethyl Ketone	--	NA	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U
Methylene Chloride	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Methylisobutylketone	--	NA	NA	NA	10 U	10 U	NA	NA	NA	NA
MTBE	--	NA	1 U	1 U	1 U	1 U	NA	2	1 U	1
Naphthalene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
n-Butylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
n-Propylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
o-Xylene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
p Diethylbenzene	--	NA	NA	NA	1 U	1 U	NA	NA	NA	NA
p-Ethyltoluene	--	NA	NA	NA	1 U	1 U	NA	NA	NA	NA
p-Isopropyltoluene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
sec-Butylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Styrene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
tert-Butylbenzene	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Tetrachloroethene	5	5 U	1 U	1 U	1 U	1 U	5 U	1	1 U	1 U
Toluene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Trichloroethene	5	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Trichlorofluoromethane	5	NA	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U
Vinyl Chloride	2	5 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U
Xylenes (total)	--	5 U	NA	NA	NA	NA	5 U	NA	NA	NA

Notes:
U - Not Detected
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-7A 02/19/03	MW-7A 08/13/03	MW-7A (DUP) 08/13/03	MW-7A 02/27/04	MW-7A (DUP) 02/27/04	MW-8 02/11/02	MW-8 08/05/02	MW-8 02/19/03
1,1,1,2-Tetrachloroethane	5	1 U	1 U	1 U	NA	NA	NA	NA	1 U
1,1,1-Trichloroethane	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	1 U	5 U	5 U	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,1-Dichloropropene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2,3-Trichloropropane	0.04	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2,4,5-Tetramethylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2-Dibromoethane	--	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
2,2-Dichloropropane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
2-Butanone	--	NA	NA	NA	10 U	10 U	NA	NA	NA
2-Hexanone	--	NA	NA	NA	10 U	10 U	NA	NA	NA
2-Chlorotoluene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
4-Chlorotoluene	--	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
4-Methyl-2-pentanone	--	NA	NA	NA	10 U	10 U	NA	NA	NA
Acetone	--	13	10 U	10 U	4	5	10 U	10 U	10 U
Benzene	1	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Bromobenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Bromodichloromethane	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Bromoform	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Carbon disulfide	--	NA	NA	NA	5 U	5 U	NA	NA	NA
Carbon Tetrachloride	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Chlorodibromomethane	--	NA	1 U	1 U	NA	NA	NA	NA	NA
Chlorodifluoromethane	--	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-7A 02/19/03	MW-7A 08/13/03	MW-7A (DUP) 08/13/03	MW-7A 02/27/04	MW-7A (DUP) 02/27/04	MW-8 02/11/02	MW-8 08/05/02	MW-8 02/19/03
Chloromethane	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Dibromochloropropane	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Dibromomethane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Dichlordifluomethane	--	NA	1 U	1 U	NA	NA	NA	NA	NA
Ethylbenzene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Freon 113	--	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Hexachloroethane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Isopropylbenzene	--	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
m+p-Xylene	--	2 U	2 U	2 U	NA	NA	2 U	2 U	2 U
Methyl Ethyl Ketone	--	10 U	10 U	10 U	NA	NA	10 U	10 U	10 U
Methylene Chloride	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Methylisobutylketone	--	10 U	10 U	10 U	NA	NA	NA	NA	10 U
MTBE	--	1	1 U	1 U	NA	NA	1	2	1
Naphthalene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
p Diethylbenzene	--	1 U	1 U	1 U	NA	NA	NA	NA	1 U
p-Ethyltoluene	--	1 U	1 U	1 U	NA	NA	NA	NA	1 U
p-Isopropyltoluene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
tert-Butylbenzene	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	NA	NA	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	5 U	5 U	1 U	1 U	1 U
Xylenes (total)	--	NA	NA	NA	5 U	5 U	NA	NA	NA

Notes:
U - Not Detected
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-8 (DUP) 02/19/03	MW-8 08/13/03	MW-8 02/27/04	MW-9 02/11/02	MW-9 08/05/02	MW-9 (DUP) 08/05/02	MW-9 02/19/03	MW-9 08/13/03	MW-9 02/27/04
1,1,1,2-Tetrachloroethane	5	1 U	1 U	NA	NA	NA	NA	1 U	1 U	NA
1,1,1-Trichloroethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	5 U	1 U	1 U	1 U	NA	1 U	5 U
1,1,2-Trichloroethane	1	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloroethene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,1-Dichloropropene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2,3-Trichlorobenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2,3-Trichloropropane	0.04	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2,4,5-Tetramethylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2,4-Trichlorobenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2-Dibromoethane	--	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,2-Dichloroethane	0.6	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,2-Dichloropropane	1	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
1,3,5-Trimethylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,3-Dichloropropane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
2,2-Dichloropropane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
2-Butanone	--	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
2-Hexanone	--	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
2-Chlorotoluene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
4-Chlorotoluene	--	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
4-Methyl-2-pentanone	--	NA	NA	10 U	NA	NA	NA	NA	NA	10 U
Acetone	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Bromobenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Bromochloromethane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Bromodichloromethane	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Bromoform	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Bromomethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Carbon disulfide	--	NA	NA	5 U	NA	NA	NA	NA	NA	5 U
Carbon Tetrachloride	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorobenzene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Chlorodibromomethane	--	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Chlorodifluoromethane	--	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Chloroethane	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Chloroform	7	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U

Table 1. Summary of Volatile Organic Compounds Detected in Groundwater, Post-Remedial Action Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-8 (DUP) 02/19/03	MW-8 08/13/03	MW-8 02/27/04	MW-9 02/11/02	MW-9 08/05/02	MW-9 (DUP) 08/05/02	MW-9 02/19/03	MW-9 08/13/03	MW-9 02/27/04
Chloromethane	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
cis-1,2-Dichloroethene	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
cis-1,3-Dichloropropene	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Dibromochloropropane	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Dibromomethane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Dichlordifluomethane	--	NA	1 U	NA	NA	NA	NA	NA	1 U	NA
Ethylbenzene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Freon 113	--	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Hexachloroethane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Isopropylbenzene	--	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
m+p-Xylene	--	2 U	2 U	NA	2 U	2 U	2 U	2 U	2 U	NA
Methyl Ethyl Ketone	--	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	NA
Methylene Chloride	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Methylisobutylketone	--	10 U	10 U	NA	NA	NA	NA	10 U	10 U	NA
MTBE	--	1	1	NA	3	2	2	1	1	NA
Naphthalene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
n-Butylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
n-Propylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
o-Xylene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
p Diethylbenzene	--	1 U	1 U	NA	NA	NA	NA	1 U	1 U	NA
p-Ethyltoluene	--	1 U	1 U	NA	NA	NA	NA	1 U	1 U	NA
p-Isopropyltoluene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
sec-Butylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Styrene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
tert-Butylbenzene	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Tetrachloroethene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Toluene	5	1 U	1 U	5 U	1 U	1 U	1 U	4	1 U	5 U
trans-1,2-Dichloroethene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
trans-1,3-Dichloropropene	--	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Trichloroethene	5	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Trichlorofluoromethane	5	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	NA
Vinyl Chloride	2	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	5 U
Xylenes (total)	--	NA	NA	5 U	NA	NA	NA	NA	NA	5 U

Notes:
U - Not Detected
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-3 02/11/02	MW-3 08/05/02	MW-3 02/19/03	MW-3 08/13/03	MW-3 02/27/04	MW-4 02/11/02	MW-4 08/05/02	MW-4 02/19/03	MW-4 08/13/03	MW-4 02/27/04	MW-6 02/11/02
1,2,4-Trichlorobenzene	3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2,4,5-Trichlorophenol	--	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	50 U	1 U
2,4,6-Trichlorophenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2,4-Dichlorophenol	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2,4-Dimethylphenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2,4-Dinitrophenol	--	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U
2,4-Dinitrotoluene	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2,6-Dinitrotoluene	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2-Chloronaphthalene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2-Chlorophenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2-Methyl-4,6-dinitropheno	--	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U
2-Methylnaphthalene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2-Methylphenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
2-Nitroaniline	5	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	50 U	1 U
2-Nitrophenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	20 U	10 U
3-Nitroaniline	5	1 U	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	50 U	1 U
4-Bromophenyl phenyl ether	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
4-Chloro-3-methylphenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
4-Chloroaniline	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
4-Chlorophenyl phenyl ether	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
4-Methylphenol	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
4-Nitroaniline	5	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	20 U	1 U
4-Nitrophenol	--	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U
Acenaphthene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Acenaphthylene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Anthracene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Benzo[a]anthracene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Benzo[a]pyrene	0	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Benzo[b]fluoranthene	--	1 U	1 U	1 U	1 U	10 U	1 U	1	1 U	1.2	10 U	1 U
Benzo[g,h,i]perylene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Benzo[k]fluoranthene	--	1 U	1 U	1 U	1 U	10 U	1 U	1	1 U	1.2	10 U	1 U
Butylbenzyl phthalate	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
bis(2-Chloroethoxy)methane	5	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
bis(2-Chloroethyl) ether	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
bis(2-Chloroisopropyl) ether	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
bis(2-Ethylhexyl) phthalate	5	1 U	3	1 U	5	0.7	1 U	3	1 U	5	0.6	1 U
Benzoic acid	--	NA	NA	NA	NA	50 U	NA	NA	NA	NA	50 U	NA

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	Sample Designation: / Sample Date: / NYSDEC GA Standard (µg/L)	MW-3 02/11/02	MW-3 08/05/02	MW-3 02/19/03	MW-3 08/13/03	MW-3 02/27/04	MW-4 02/11/02	MW-4 08/05/02	MW-4 02/19/03	MW-4 08/13/03	MW-4 02/27/04	MW-6 02/11/02
Benzyl alcohol		NA	NA	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Carbazole	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Chrysene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Di-n-Butyl Phthalate	50	1 U	1 U	1 U	1 U	0.5 UB	1 U	1 U	1 U	1 U	0.5 UB	1 U
Di-n-octyl Phthalate	--	1 U	1 U	1 U	1 U	10 U	1 U	3	1 U	1 U	10 U	1 U
Dibenzo[a,h]anthracene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Dibenzofuran	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Dibromochloropropane	0.04	1 U	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	NA	1 U
Diethyl Phthalate	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Dimethyl Phthalate	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Fluoranthene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Fluorene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	10 U	10 U	10 U	1 U	1 U	10 U	10 U	10 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	1 U	1 U	10 U	10 U	10 U	1 U	1 U	10 U	10 U
Hexachloroethane		NA	NA	NA	NA	10 U	NA	NA	NA	NA	10 U	NA
Indeno[1,2,3-cd]pyrene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1	10 U	1 U
Isophorone	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Methylisobutylketone	--	10 U	10 U	NA	NA	NA	10 U	10 U	NA	NA	NA	10 U
N-Nitrosodi-n-propylamine	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
N-Nitrosodiphenylamine	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Naphthalene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Nitrobenzene	0.4	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
p Diethylbenzene	--	1 U	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
p-Ethyltoluene	--	1 U	1 U	NA	NA	NA	1 U	1 U	NA	NA	NA	1 U
Pentachlorophenol (ms)	1	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	50 U	10 U
Phenanthrene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Phenol	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	10 U	1 U
Pyrene	--	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2	10 U	1 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-6 08/05/02	MW-6 02/19/03	MW-6 08/13/03	MW-6 02/27/04	MW-7A 02/11/02	MW-7A (DUP) 02/11/02	MW-7A 08/05/02	MW-7A 08/13/03	MW-7A (DUP) 08/13/03	MW-7A 02/19/03
1,2,4-Trichlorobenzene	3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	--	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,6-Trichlorophenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dichlorophenol	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dimethylphenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4-Dinitrophenol	--	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2,6-Dinitrotoluene	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloronaphthalene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorophenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Methyl-4,6-dinitropheno	--	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Methylphenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitroaniline	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Nitrophenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Bromophenyl phenyl ether	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloro-3-methylphenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chloroaniline	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Chlorophenyl phenyl ether	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methylphenol	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Nitroaniline	5	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Nitrophenol	--	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Acenaphthylene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Anthracene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo[a]anthracene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo[a]pyrene	0	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo[b]fluoranthene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo[g,h,i]perylene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzo[k]fluoranthene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Butylbenzyl phthalate	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroethoxy)methane	5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroethyl) ether	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroisopropyl) ether	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl) phthalate	5	3	3	3	0.7 H	1 U	1 U	1	**6.5**	4	3
Benzoic acid	--	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-6 08/05/02	MW-6 02/19/03	MW-6 08/13/03	MW-6 02/27/04	MW-7A 02/11/02	MW-7A (DUP) 02/11/02	MW-7A 08/05/02	MW-7A 08/13/03	MW-7A (DUP) 08/13/03	MW-7A 02/19/03
Benzyl alcohol		NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Carbazole	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene	--	1 U	1 U	1	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-Butyl Phthalate	50	1 U	1 U	1 U	0.5 UB	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl Phthalate	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzo[a,h]anthracene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloropropane	0.04	1 U	1 U	1 U	NA	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl Phthalate	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl Phthalate	--	1 U	1 U	1	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Fluorene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	10 U	10 U	10 U	1 U	1 U	1 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U
Hexachloroethane		NA	NA	NA	10 U	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Isophorone	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylisobutylketone	--	10 U	NA	NA	NA	10 U	10 U	10 U	NA	NA	NA
N-Nitrosodi-n-propylamine	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Nitrobenzene	0.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
p Diethylbenzene	--	1 U	NA	NA	NA	1 U	1 U	1 U	NA	NA	NA
p-Ethyltoluene	--	1 U	NA	NA	NA	1 U	1 U	1 U	NA	NA	NA
Pentachlorophenol (ms)	1	10 U	10 U	10 U	50 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	--	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Phenol	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U	1 U	1 U
Pyrene	--	1 U	1 U	1	10 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-7A 02/27/04	MW-7A (DUP) 02/27/04	MW-8 02/11/02	MW-8 08/05/02	MW-8 02/19/03	MW-8 (DUP) 02/19/03	MW-8 08/13/03	MW-8 02/27/04	MW-9 02/11/02	MW-9 08/05/02
1,2,4-Trichlorobenzene	3	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1,2-Dichlorobenzene	3	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1,3-Dichlorobenzene	3	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
1,4-Dichlorobenzene	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2,4,5-Trichlorophenol	--	50 U	50 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U
2,4,6-Trichlorophenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2,4-Dichlorophenol	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2,4-Dimethylphenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2,4-Dinitrophenol	--	50 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U
2,4-Dinitrotoluene	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2,6-Dinitrotoluene	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2-Chloronaphthalene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2-Chlorophenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2-Methyl-4,6-dinitropheno	--	50 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U
2-Methylnaphthalene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2-Methylphenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
2-Nitroaniline	5	50 U	50 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U
2-Nitrophenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
3,3'-Dichlorobenzidine	5	20 U	20 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
3-Nitroaniline	5	50 U	50 U	1 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U
4-Bromophenyl phenyl ether	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4-Chloro-3-methylphenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4-Chloroaniline	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4-Chlorophenyl phenyl ether	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4-Methylphenol	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
4-Nitroaniline	5	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U
4-Nitrophenol	--	50 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U
Acenaphthene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Acenaphthylene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Anthracene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Benzo[a]anthracene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Benzo[a]pyrene	0	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Benzo[b]fluoranthene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Benzo[g,h,i]perylene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Benzo[k]fluoranthene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Butylbenzyl phthalate	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
bis(2-Chloroethoxy)methane	5	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
bis(2-Chloroethyl) ether	1	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
bis(2-Chloroisopropyl) ether	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
bis(2-Ethylhexyl) phthalate	5	0.8	1	1 U	**11**	2	**6**	1	0.6	1 U	**6**
Benzoic acid	--	50 U	50 U	NA	NA	NA	NA	NA	50 U	NA	NA

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-7A 02/27/04	MW-7A (DUP) 02/27/04	MW-8 02/11/02	MW-8 08/05/02	MW-8 02/19/03	MW-8 (DUP) 02/19/03	MW-8 08/13/03	MW-8 02/27/04	MW-9 02/11/02	MW-9 08/05/02
Benzyl alcohol		10 U	10 U	NA	NA	NA	NA	NA	10 U	NA	NA
Carbazole	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Chrysene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Di-n-Butyl Phthalate	50	0.5 UB	0.5 UMB	1 U	1 U	1 U	1 U	1 U	0.5 UB	1 U	1 U
Di-n-octyl Phthalate	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Dibenzo[a,h]anthracene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Dibenzofuran	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Dibromochloropropane	0.04	NA	NA	1 U	1 U	1 U	1 U	1 U	NA	1 U	1 U
Diethyl Phthalate	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Dimethyl Phthalate	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Fluoranthene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Fluorene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Hexachlorobenzene	0.04	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Hexachlorobutadiene	0.5	10 U	10 U	1 U	1 U	10 U	10 U	10 U	10 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U	1 U	1 U	1 U	10 U	10 U	10 U
Hexachloroethane		10 U	10 U	NA	NA	NA	NA	NA	10 U	NA	NA
Indeno[1,2,3-cd]pyrene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Isophorone	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Methylisobutylketone	--	NA	NA	10 U	10 U	NA	NA	NA	NA	10 U	10 U
N-Nitrosodi-n-propylamine	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
N-Nitrosodiphenylamine	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Naphthalene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Nitrobenzene	0.4	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
p Diethylbenzene	--	NA	NA	1 U	1 U	NA	NA	NA	NA	1 U	1 U
p-Ethyltoluene	--	NA	NA	1 U	1 U	NA	NA	NA	NA	1 U	1 U
Pentachlorophenol (ms)	1	50 U	50 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U
Phenanthrene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Phenol	1	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
Pyrene	--	10 U	10 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-9 (DUP) 08/05/02	MW-9 02/19/03	MW-9 08/13/03	MW-9 02/27/04
1,2,4-Trichlorobenzene	3	1 U	1 U	1 U	10 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	10 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	10 U
1,4-Dichlorobenzene	5	1 U	1 U	1 U	10 U
2,4,5-Trichlorophenol	--	1 U	1 U	1 U	50 U
2,4,6-Trichlorophenol	--	1 U	1 U	1 U	10 U
2,4-Dichlorophenol	5	1 U	1 U	1 U	10 U
2,4-Dimethylphenol	--	1 U	1 U	1 U	10 U
2,4-Dinitrophenol	--	10 U	10 U	10 U	50 U
2,4-Dinitrotoluene	5	1 U	1 U	1 U	10 U
2,6-Dinitrotoluene	5	1 U	1 U	1 U	10 U
2-Chloronaphthalene	--	1 U	1 U	1 U	10 U
2-Chlorophenol	--	1 U	1 U	1 U	10 U
2-Methyl-4,6-dinitropheno	--	10 U	10 U	10 U	50 U
2-Methylnaphthalene	--	1 U	1 U	1 U	10 U
2-Methylphenol	--	1 U	1 U	1 U	10 U
2-Nitroaniline	5	1 U	1 U	1 U	50 U
2-Nitrophenol	--	1 U	1 U	1 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	20 U
3-Nitroaniline	5	1 U	1 U	1 U	50 U
4-Bromophenyl phenyl ether	--	1 U	1 U	1 U	10 U
4-Chloro-3-methylphenol	--	1 U	1 U	1 U	10 U
4-Chloroaniline	5	1 U	1 U	1 U	10 U
4-Chlorophenyl phenyl ether	--	1 U	1 U	1 U	10 U
4-Methylphenol	--	1 U	1 U	1 U	10 U
4-Nitroaniline	5	1 U	1 U	1 U	20 U
4-Nitrophenol	--	10 U	10 U	10 U	50 U
Acenaphthene	--	1 U	1 U	1 U	10 U
Acenaphthylene	--	1 U	1 U	1 U	10 U
Anthracene	--	1 U	1 U	1 U	10 U
Benzo[a]anthracene	--	1 U	1 U	1 U	10 U
Benzo[a]pyrene	0	1 U	1 U	1 U	10 U
Benzo[b]fluoranthene	--	1 U	1 U	1 U	10 U
Benzo[g,h,i]perylene	--	1 U	1 U	1 U	10 U
Benzo[k]fluoranthene	--	1 U	1 U	1 U	10 U
Butylbenzyl phthalate	--	1 U	1 U	1 U	10 U
bis(2-Chloroethoxy)methane	5	1 U	1 U	1 U	10 U
bis(2-Chloroethyl) ether	1	1 U	1 U	1 U	10 U
bis(2-Chloroisopropyl) ether	--	1 U	1 U	1 U	10 U
bis(2-Ethylhexyl) phthalate	5	1 U	2	2	0.5
Benzoic acid	--	NA	NA	NA	50 U

Table 2. Summary of Semivolatile Organic Compounds Detected in Groundwater, Post-Remediation Groundwater Sampling, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-9 (DUP) 08/05/02	MW-9 02/19/03	MW-9 08/13/03	MW-9 02/27/04
Benzyl alcohol		NA	NA	NA	10 U
Carbazole	--	1 U	1 U	1 U	10 U
Chrysene	--	1 U	1 U	1 U	10 U
Di-n-Butyl Phthalate	50	1 U	1 U	1 U	0.5 UB
Di-n-octyl Phthalate	--	1 U	1 U	1 U	10 U
Dibenzo[a,h]anthracene	--	1 U	1 U	1 U	10 U
Dibenzofuran	--	1 U	1 U	1 U	10 U
Dibromochloropropane	0.04	1 U	1 U	1 U	NA
Diethyl Phthalate	--	1 U	1 U	1 U	10 U
Dimethyl Phthalate	--	1 U	1 U	1 U	10 U
Fluoranthene	--	1 U	1 U	1 U	10 U
Fluorene	--	1 U	1 U	1 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	10 U
Hexachlorobutadiene	0.5	1 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	5	10 U	1 U	1 U	10 U
Hexachloroethane		NA	NA	NA	10 U
Indeno[1,2,3-cd]pyrene	--	1 U	1 U	1 U	10 U
Isophorone	--	1 U	1 U	1 U	10 U
Methylisobutylketone	--	10 U	NA	NA	NA
N-Nitrosodi-n-propylamine	--	1 U	1 U	1 U	10 U
N-Nitrosodiphenylamine	--	1 U	1 U	1 U	10 U
Naphthalene	--	1 U	1 U	1 U	10 U
Nitrobenzene	0.4	1 U	1 U	1 U	10 U
p Diethylbenzene	--	1 U	NA	NA	NA
p-Ethyltoluene	--	1 U	NA	NA	NA
Pentachlorophenol (ms)	1	10 U	10 U	10 U	50 U
Phenanthrene	--	1 U	1 U	1 U	10 U
Phenol	1	1 U	1 U	1 U	10 U
Pyrene	--	1 U	1 U	1 U	10 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
NA - Not analyzed
-- Standard not available

Table 3. Summary of Metals Detected in Groundwater, Post-Remedial Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-3 02/11/02	MW-3 08/05/02	MW-3 02/19/03	MW-3 08/13/03	MW-3 02/27/04	MW-4 02/11/02	MW-4 08/05/02	MW-4 02/19/03	MW-4 08/13/03
Arsenic	25	10 U	15	12	13	40 U	25	7	23	5 U
Barium	1000	72	93	100	57	54.2	150	43	150	5 U
Cadmium	5	10 U	5 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U
Chromium	50	22	31	21	5 U	1.7 B	33	5	34	5 U
Lead	25	24	**31**	17	17	10 U	**36**	19	25	5 U
Mercury	0.7	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	1 U	1 U
Selenium	10	4 U	4 U	4 U	4 U	30 U	4 U	4 U	4 U	4 U
Silver	50	10 U	5 U	5 U	5 U	6 U	10 U	5 U	5 U	5 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per Liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
-- Standard not available

Table 3. Summary of Metals Detected in Groundwater, Post-Remedial Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** / **Sample Date:**	MW-4 02/27/04	MW-6 02/11/02	MW-6 08/05/02	MW-6 02/19/03	MW-6 08/13/03	MW-6 02/27/04	MW-7A 02/11/02	MW-7A (DUP) 02/11/02	MW-7A 08/05/02
	NYSDEC GA Standard (µg/L)									
Arsenic	25	40 U	**50**	10	25	12	11.9 B	**41**	**44**	5 U
Barium	1000	127	340	110	260	140	455	130	120	190
Cadmium	5	2.2 B	10 U	5 U	5 U	5 U	10 U	10 U	10 U	5 U
Chromium	50	10 U	**72**	7	48	5 U	39.2	19	20	5 U
Lead	25	10 U	**31**	8	20	7	**34.6**	**48**	**54**	14
Mercury	0.7	0.2 U	1 U	1 U	1 U	1 U	0.2 U	1 U	1 U	1 U
Selenium	10	30 U	10 U	4 U	4 U	4 U	30 U	4 U	4 U	4 U
Silver	50	6 U	10 U	5 U	5 U	5 U	6 U	10 U	10 U	5 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per Liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
-- Standard not available

Table 3. Summary of Metals Detected in Groundwater, Post-Remedial Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

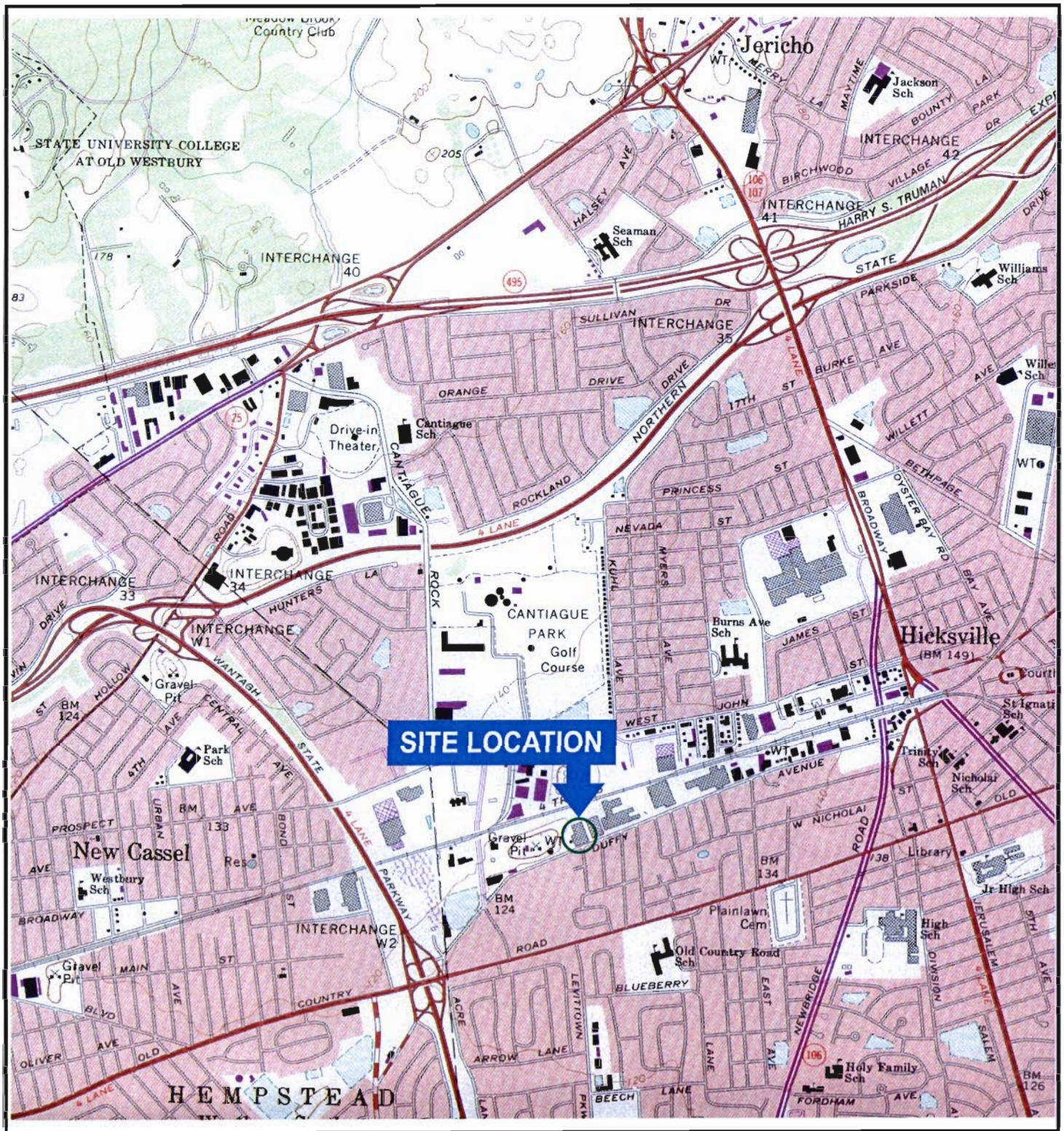
Parameter (Concentrations in µg/L)	**Sample Designation:** **Sample Date:** **NYSDEC GA Standard (µg/L)**	MW-7A 02/19/03	MW-7A 08/13/03	MW-7A (DUP) 08/13/03	MW-7A 02/27/04	MW-7A (DUP) 02/27/04	MW-8 02/11/02	MW-8 08/05/02	MW-8 02/19/03
Arsenic	25	5 U	5 U	10	40 U	40 U	10 U	5 U	5 U
Barium	1000	160	100	100	115	102	520	230	200
Cadmium	5	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5 U
Chromium	50	5 U	5 U	5 U	10 U	10 U	10 U	5 U	5 U
Lead	25	5 U	5 U	5 U	3.1 B	10 U	10 U	5 U	5 U
Mercury	0.7	1 U	1 U	1 U	0.2 U	0.2 U	1 U	1 U	1 U
Selenium	10	4 U	4 U	4 U	30 U	30 U	4 U	4 U	4 U
Silver	50	5 U	5 U	5 U	6 U	6 U	10 U	5 U	5 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per Liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
-- Standard not available

Table 3. Summary of Metals Detected in Groundwater, Post-Remedial Groundwater Monitoring, Quest Diagnostics, Inc., Hicksville, New York.

Parameter (Concentrations in µg/L)	**Sample Designation:** / **Sample Date:** / **NYSDEC GA Standard (µg/L)**	MW-8 (DUP) 02/19/03	MW-8 08/13/03	MW-8 02/27/04	MW-9 02/11/02	MW-9 08/05/02	MW-9 (DUP) 08/05/02	MW-9 02/19/03	MW-9 08/13/03	MW-9 02/27/04
Arsenic	25	5	9	40 U	10 U	5 U	5 U	5 U	5 U	40 U
Barium	1000	230	160	200	280	200	5 U	91	130	129
Cadmium	5	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U
Chromium	50	5 U	5 U	10 U	10 U	5 U	**190**	5 U	5 U	10 U
Lead	25	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5 U	10 U
Mercury	0.7	1 U	1 U	0.2 U	1 U	1 U	1 U	1 U	1 U	0.2 U
Selenium	10	4 U	4 U	30 U	4 U	4 U	4 U	4 U	4 U	30 U
Silver	50	5 U	5 U	6 U	10 U	5 U	5 U	5 U	5 U	6 U

Notes:
U - Not Detected
Bold - Detected above standard
µg/L - Micrograms per Liter
DUP - Duplicate Sample
NYSDEC - New York State Department of Environmental Conservation
-- Standard not available



QUADRANGLE LOCATION

SOURCE:
USGS; 1979. Hicksville, NY
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

FORMER MAGNUSONIC DEVICES, INC.
HICKSVILLE, NEW YORK

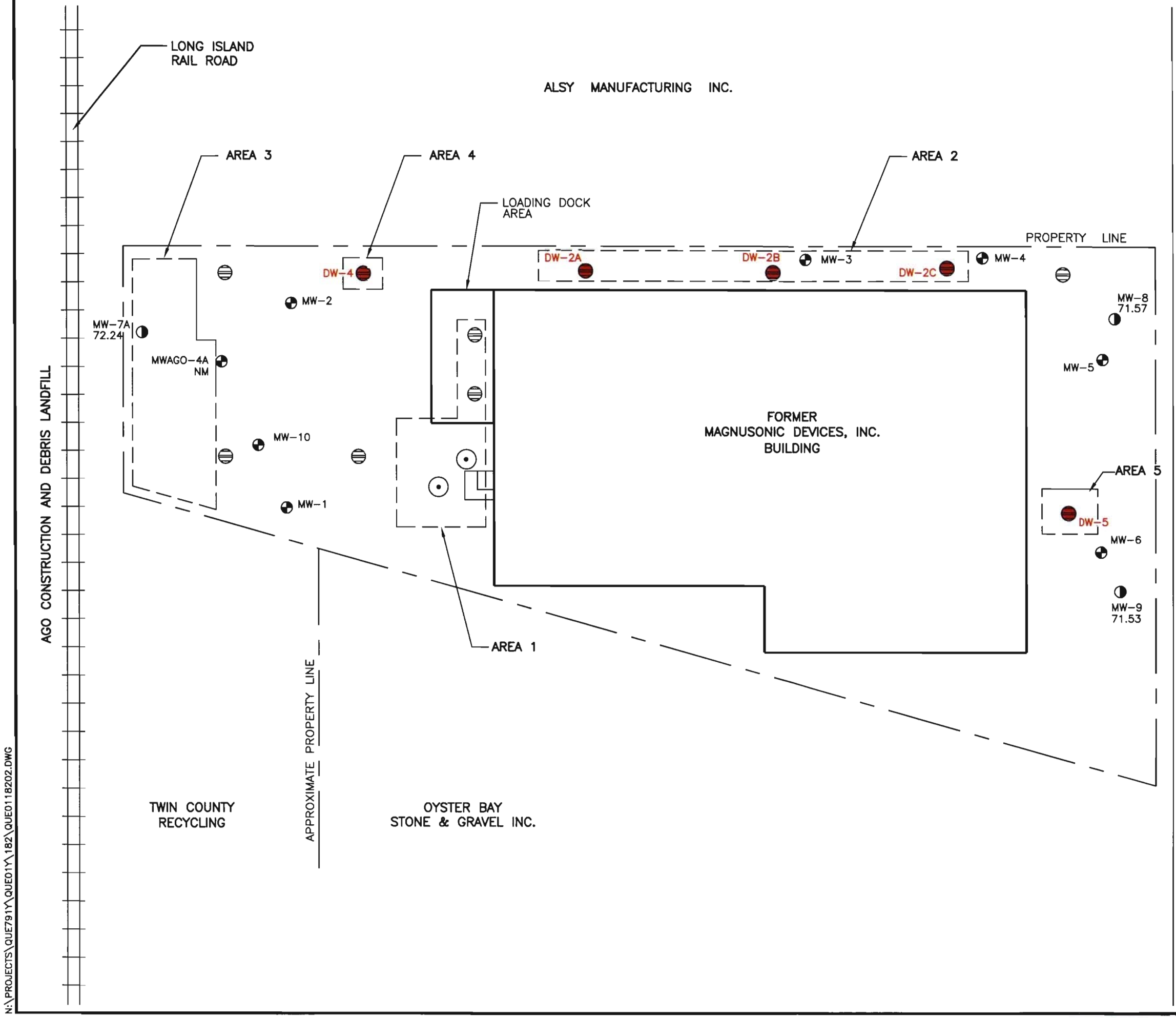
Prepared for:

QUEST DIAGNOSTICS, INC.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: J.O.	Date: 30AUG00	FIGURE
Prepared by: R.K.	Scale: 1"=2000'	1
Project Mgr.: O.R.	Office: NY	
File No.: QUE0118201.CDR	Project No.: 79101Y	

N:\PROJECTS\QUE791Y\QUE01Y\182\QUE0118201.CDR



LEGEND

- MW-5 — LOCATION AND DESIGNATION OF WATER-TABLE MONITORING WELL
- MW-7A — LOCATION AND DESIGNATION OF DEEP UPPER GLACIAL MONITORING WELL
- DW-2A — LOCATION AND DESIGNATION OF REMEDIATED STORM DRAIN
- LOCATION OF STORM DRAIN
- LOCATION OF LEACHING POOL

0 60' 120'

Title:

SITE PLAN

FORMER MAGNUSONIC DEVICES, INC.
HICKSVILLE, NEW YORK

Prepared For:

QUEST DIAGNOSTICS, INC.

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

Compiled by: S.S.	Date: 15SEPT04	FIGURE
Prepared by: S.S	Scale: AS SHOWN	2
Project Mgr: S.S.	Office: NY	
File No: QUE0118202	Project: 79101Y	

N:\PROJECTS\QUE791Y\QUE01Y\182\QUE0118202.DWG

ATTACHMENT 1

Data Validation

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO: Sin Senh

COMPANY: Roux Associates

FROM: Judy Harry

DATE: 06-03-04

ENCLOSED: DUSR validation report for the Quest site

Laboratory summary package with qualifiers

Associated invoice

COMMENTS:

Ship via: US Express__X_ UPS ____ US Priority____Fed Ex____Other ___

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

June 3, 2004

Sin Senh
Roux Associates
1377 Motor Parkway
Islandia, NY 11788

RE: **D**ata **U**sability **S**ummary **R**eport for the Quest 79101Y site
STL-CT SDG No. 205948

Dear Mr. Senh:

Review has been completed for the data package generated by Severn Trent Laboratories that pertains to aqueous samples collected 2/27/04 at the Quest 79101Y site. Six aqueous samples and a field duplicate were analyzed for TCL Volatiles, TCL Semivolatiles, and the eight RCRA Metals. Field and trip blanks, and sample matrix spikes were also processed. Laboratory methodologies utilized are those of the USEPA SW846 EPA 8260B, EPA 8270C, EPA 6000/7000.

The data packages submitted contained full deliverables for validation, but this usability report is generated from review of the summary form information, with limited review of sample raw data, and some review of associated QC raw data. Full validation has not been performed. However, the reported summary tables have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA National Functional Guidelines for Data Review, as affects the usability of the sample data. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Preparation/Calibration Blanks
* Control Spike/Laboratory Control Samples
* Instrumental Tunes
* Calibration/CRI/CRA Standards
* ICP Serial Dilution Correlations
* Instrument IDLs

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review.

In summary, sample processing was conducted in compliance with protocol requirements, and samples show no adverse matrix effect on analyte results. The results for one semivolatile analyte in two samples are qualified as estimated ("UJ"), and some low level detections are edited to nondetection due to external contamination.

A copy of the laboratory summary package is enclosed with this DUSR, providing the case narrative, sample summary, and copies of red-ink qualified/edited sample results forms.

The following text discusses quality issues of concern.

General

Blind field duplicate evaluation of sample MW-7A shows acceptable correlations.

The trip blank was not entered onto the custody until sample receipt.

TCL Volatile Analyses by EPA 8260B

Reporting limits should be derived from the "RL" column, not the "MDL" column, on the report form.

Due to low level concentrations found in the associated field blank, the detections of acetone in the project samples are considered external contamination, and are edited to reflect nondetection at the CRDL.

Holding times, surrogate and internal standard recoveries, and instrumental tunes were acceptable. Calibrations standards showed acceptable responses.

Matrix spikes of MW-7A produced acceptable accuracy and precision for all analytes.

TCL Semivolatile Analyses by EPA 8270C

Reporting limits should be derived from the "RL" column, not the "MDL" column, on the report form.

Holding times, surrogate and internal standard recoveries, and instrumental tunes were acceptable.

Matrix spikes of MW-7A produced acceptable accuracy and precision for all analytes.

Calibrations standards showed responses within validation guidelines, with the exception of that for hexachlorocyclopentadiene in the initial calibration on instrument P (27%RSD and 23 %D). The reporting limit for that analyte in associated samples MW-7A, DUP-1, and FB-4 are qualified as estimated ("UJ"), with a possible low bias.

RCRA Metals by 6010B/7470

The matrix spike and duplicate of MW-7A show acceptable accuracy and precision. The ICP serial dilutions of that sample was also within guidelines. Blanks show no contamination. Instrument processing was acceptable.

Reported results are substantiated by raw data.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,

Judy Harry

ATTACHMENT 2

NYSDEC Results

New York State -- DEC
Magnusonic A026
Sampled February 27, 2004

SDG Number: 0227
Case Number: RD003

Package Section	Pages From	To
Sample Data Summary Package		
NYSDEC Data Package Summary Forms	1	5
SDG Narrative	1	5
GC/MS Volatiles Sample Results Data	1	12
GC/MS Semivolatiles Sample Results Data	13	26
Inorganic Sample Results Data	25	32
Organic Surrogate Data	33	34
Organic Matrix Spike Data	35	41
Inorganic Duplicate Data	42	
Inorganic Matrix Spike Data	43	
Organic Method Blank Data	44	52
Inorganic Method Blank Data	53	
Organic Internal Standard Data	54	61
Inorganic Internal Standard Data	62	63

Completed by: (CLP Lab)

Digitally signed by Elizabeth A. Keator
cn=Elizabeth A. Keator, ou=Quality Assurance, o=Friend Laboratory, Inc., c=US
Date: 2004.03.31 08:51:16 -05'00'
Reason: finalized document
Waverly, NY

(Signature)

Elizabeth A. Keator

(Printed Name/Title)

03/30/04

(Date)

Audited by: (NYSDEC)

(Signature)

(Printed Name/Title)

(Date)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	ANALYTICAL REQUIREMENTS					
		VOA GC/MS 8260	SV GC/MS 8270	VOA GC	PCB PEST	METALS 17 Hazardous	OTHER
A0267A (MW-7A)	0403-093-1	*	*			*	
A0263 (MW-3)	0403-093-2	*	*			*	
A0264 (MW-4)	0403-093-3	*	*			*	
A0268 (MW-8)	0403-093-4	*	*			*	
A0266 (MW-6)	0403-093-5	*	*			*	
A0269 (MW-9)	0403-093-6	*	*			*	
A0269 (MW-9), 0403-093-6MS	0403-093-7	*	*			*	
A0269 (MW-9), 0403-093-6MSD/DUP	0403-093-8	*	*			*	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SW846/8260
ANALYSES

Customer Sample Code	Laboratory Sample Code	Matrix	Date Collected	Date Received	Low Level Med. Level	Date Analyzed
A0267A (MW-7A)	0403-093-1	WATER	02/27/04	03/03/04	LOW	03/05/04
A0263 (MW-3)	0403-093-2	WATER	02/27/04	03/03/04	LOW	03/05/04
A0264 (MW-4)	0403-093-3	WATER	02/27/04	03/03/04	LOW	03/05/04
A0268 (MW-8)	0403-093-4	WATER	02/27/04	03/03/04	LOW	03/10/04
A0266 (MW-6)	0403-093-5	WATER	02/27/04	03/03/04	LOW	03/10/04
A0269 (MW-9)	0403-093-6	WATER	02/27/04	03/03/04	LOW	03/10/04
A0269 (MW-9), 0403-093-6MS	0403-093-7	WATER	02/27/04	03/03/04	LOW	03/10/04
A0269 (MW-9), 0403-093-6MSD/DUP	0403-093-8	WATER	02/27/04	03/03/04	LOW	03/10/04

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SW846/8270
ANALYSES

Customer Sample Code	Laboratory Sample Code	Matrix	Date Collected	Date Received	Low Level Med. Level	Date Extracted	Date Analyzed
A0267A (MW-7A)	0403-093-1	WATER	02/27/04	03/03/04	LOW	03/04/04	03/04/04
A0263 (MW-3)	0403-093-2	WATER	02/27/04	03/03/04	LOW	03/04/04	03/04/04
A0264 (MW-4)	0403-093-3	WATER	02/27/04	03/03/04	LOW	03/04/04	03/05/04
A0268 (MW-8)	0403-093-4	WATER	02/27/04	03/03/04	LOW	03/04/04	03/05/04
A0266 (MW-6)	0403-093-5	WATER	02/27/04	03/03/04	LOW	03/04/04	03/05/04
A0269 (MW-9)	0403-093-6	WATER	02/27/04	03/03/04	LOW	03/04/04	03/04/04
A0269 (MW-9), 0403-093-6MS	0403-093-7	WATER	02/27/04	03/03/04	LOW	03/04/04	03/04/04
A0269 (MW-9), 0403-093-6MSD/DUP	0403-093-8	WATER	02/27/04	03/03/04	LOW	03/04/04	03/04/04

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
SW846/8270
ANALYSES

Laboratory Sample Code	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
0403-093-1	WATER	SW-846	3510	N/A	N/A
0403-093-2	WATER	SW-846	3510	N/A	N/A
0403-093-3	WATER	SW-846	3510	N/A	N/A
0403-093-4	WATER	SW-846	3510	N/A	N/A
0403-093-5	WATER	SW-846	3510	N/A	N/A
0403-093-6	WATER	SW-846	3510	N/A	N/A
0403-093-7	WATER	SW-846	3510	N/A	N/A
0403-093-8	WATER	SW-846	3510	N/A	N/A

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

Laboratory Sample Code	Matrix	Metals Requested	Date Rec'd at Lab	Date Analyzed
0403-093-1	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-2	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-3	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-4	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-5	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-6	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-7	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04
0403-093-8	WATER	17 Hazardous Metals	03/03/04	ICP-OES: 03/09/04 ICP-MS: 03/12/04 CVAA: 03/09/04

FLI
FRIEND LABORATORY I · N · C

SDG Narrative

Project: **New York State Department of Environmental Conservation**
Contract # C004241, Magnusonic
Sampled February 27, 2004

The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review*(EPA 540/R-94/013, February 1994).

Validation

SDG Number: 0227
Case Number: RD003
NYSDEC Sample Numbers: A0263 (MW-3), A0264 (MW-4), A0266 (MW-6), A0267A (MW-7A), A0268 (MW-8), A0269 (MW-9).

Six site samples and a matrix spike/matrix spike duplicate set were delivered to the laboratory on March 2, 2004, and formally received by the Sample Custodian the next day. The samples were kept in a locked walk-in cooler in the interim. The temperatures, as received with ice, were 3°C. Three Semivolatile bottles arrived broken: one bottle for site sample A0268, and two bottles for site sample A0266. Since site sample A0266 had been designated for MS/MSD analysis, there was now insufficient sample volume to perform the Semivolatile MS/MSD. The sampler was contacted, and the laboratory was instructed to designate site sample A0269 for the MS/MSD analysis for all fractions. Since only two Semivolatile bottles had been received for A0269, a reduced volume was used for this fraction's MS/MSD (one-half of the second bottle for each spike sample).

Volatiles

Samples were analyzed by EPA method 8260 for the RCRA list, using a five-milliliter purge volume.

RTX-624 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5972 Mass Selective Detector. A Tekmar 2016 autosampler is used to analyze samples for the MSD-C instrument. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all site samples.

Site sample A0269 (MW-9) was spiked in duplicate. Spike recoveries were within acceptance limits.

Precision as indicated by RPD was within acceptance limits.

Two blank spikes were associated with the site samples. Blank spike recoveries were within acceptance limits.

No trip blank was received. Since site samples A0263 (MW-3) AND A0269 (MW-9) had no target analytes detected above the MDL, this confirms that no contamination during the trip occurred, and no qualification was made.

For Bromomethane, Chloroethane, and Vinyl acetate, the initial calibration associated with the site samples did not meet method criteria for precision of %RSD $\leq$ 15% to use the average response factor, or a correlation coefficient $\geq$ 0.99 to use linear or quadratic regression. Removing the high point or low point did not bring the precision within limits. Since each of these analytes had an average response factor greater than 0.05, it is

believed that they would have been detected if present. Since none of these analytes were detected in any of the site samples, no qualification was made.

Acetone was detected in method blank VBLKC1, below the laboratory reporting limit. Acetone was not detected in associated site sample A0263, and no qualification was made for this site sample. Acetone was detected in associate site samples A0264 and A0267A, also below the laboratory reporting limit. The Acetone results for site sample A0264 and A0267A have been flagged "JB", to indicate possible contribution by the laboratory, and that the results are estimated below the quantitation limit.

No other analytical difficulties were encountered.

Semivolatiles

Site samples were analyzed by EPA method 8270 for the RCRA List using a one-microliter injection.

RTX-5 SIL MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for the site samples, with four exceptions.

Site samples A0263 (MW-3), A0264 (MW-4), and A0267A (MW-7A) each had recovery for one base-neutral surrogate below or slightly below the acceptance limit. Since one surrogate is permitted to be out-of-limits within each fraction, as long as that surrogate remains above 10%, no qualification was made.

Site sample A0266 (MW-6) had recoveries below or slightly below the acceptance limits for all three base-neutral surrogates. The sample extract was re-analyzed, with similar results. Due to the previously mentioned bottle breakage during shipping, no untreated sample volume remained with which to attempt re-extraction. The base-neutral results for site sample A0266 (MW-6) should be considered as estimated.

Site sample A0269 (MW-9) was spiked in duplicate, using approximately one-half liter for each spike sample, due to the previously mentioned bottle breakage that occurred during shipping. Spike recoveries were within acceptance limits, with three exceptions.

Recovery of 4-Chloroaniline was slightly below the laboratory acceptance limit in the MSD, and recovery of Hexachlorocyclopentadiene was slightly below the laboratory acceptance limit in both the MS and the MSD. The 4-Chloroaniline and Hexachlorocyclopentadiene results for site sample A0269 may be considered as usable estimates.

Precision as indicated by RPD was within acceptance limits.

One blank spike was associated with the site samples. Blank spike recoveries were within acceptance limits.

No other analytical difficulties were encountered.

Metals

Samples were analyzed by Inductively Coupled Plasma - Optical Emission Spectrometry, Inductively Coupled Plasma - Mass Spectrometry, and Cold Vapor AA.

The ICP-OES instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx.

The ICP-MS instrument is an Agilent 7500 series with a Cetac ASX 500 autosampler. Agilent ICP-MS Chemstation software is used to process data.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury is analyzed using a VGA Hydride Generation accessory with acquisition software.

Site sample A0269 (MW-9) was spiked for all metals reported, by methods reported. If the sample level were more than four times the spiking level, no limit was applied. Spike recoveries were within limits for all metals.

Site sample A0269 (MW-9) was duplicated for all metals reported, by methods reported. If the sample and duplicate results were greater than or equal to five times the CRDL, then the RPD should be less than 20%. If the sample or duplicate level were less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample and duplicate were less than the CRDL, no limit was applied. Precision as indicated by RPD and absolute difference was within limits for all metals.

A serial dilution analysis was performed on site sample A0267A for all metals reported by ICP-OES, and on site sample A0263 for all metals reported by ICP-MS. If the sample concentration were a factor of 50 above the IDL, then the percent difference between the sample and dilution should be less than 10%. Percent differences were below the limit of 10%. Form IX – IN is not included, however, in either the Sample Data Summary Package,

or the Category A Sample Data Package, as per ASP requirements for these deliverables.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported.

No analytical difficulties were encountered.

Usability Assessment

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Laboratory validation and
Usability assessment conducted by:

Digitally signed by Elizabeth A. Keator
cn=Elizabeth A. Keator, ou=Quality Assurance, o=Fisher Laboratory, Inc., c=US
Date: 2004.03.31 08:51:16 -05'00'
Reason: finalized document
Waverly, NY

Date: March 30, 2004

Elizabeth A. Keator
Quality Assurance

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0263

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-2 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8793.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0263

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-2 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8793.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0264

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-3 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8794.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	4	JB
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0264

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-3 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8794.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0266

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8805.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0266

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8805.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0267A

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-1 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8792.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	13	JB
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0267A

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-1 NYSDEC

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8792.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0268

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-4a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8804.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	4	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0268

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-4a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8804.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-6a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8806.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-6a NYSDE

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8806.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1B NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0263

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-2,NO DILN.

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3341.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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	5	U
111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
100-51-6	Benzyl alcohol	10	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0263

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-2,NO DILN.

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3341.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U
84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Benzyl butyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0264

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3348.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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	5	U
111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
100-51-6	Benzyl alcohol	10	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U

1C

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0264

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-3

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3348.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U
84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Benzyl butyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0266

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5

Sample wt/vol: 850 (g/ml) ML Lab File ID: B3347.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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	6	U
111-44-4	bis(2-Chloroethylether)	6	U
108-95-2	Phenol	6	U
95-57-8	2-Chlorophenol	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
100-51-6	Benzyl alcohol	12	U
108-60-1	Bis(2-Chloroisopropylether)	6	U
95-48-7	2-Methylphenol	6	U
67-72-1	Hexachloroethane	6	U
621-64-7	N-Nitrosodi-n-propylamine	6	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	6	U
98-95-30	Nitrobenzene	6	U
78-59-1	Isophorone	6	U
88-75-52	2-Nitrophenol	6	U
105-67-9	2,4-Dimethylphenol	6	U
111-91-1	bis(2-Chloroethoxymethane)	6	U
120-83-2	2,4-Dichlorophenol	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
91-20-3	Naphthalene	6	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	6	U
59-50-7	4-Chloro-3-methylphenol	12	U
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	6	U
88-06-2	2,4,6-Trichlorophenol	6	U
95-95-4	2,4,5-Trichlorophenol	6	U
91-58-7	2-Chloronaphthalene	6	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	6	U
208-96-8	Acenaphthylene	6	U
606-20-2	2,6-Dinitrotoluene	6	U
99-09-2	3-Nitroaniline	24	U
83-32-9	Acenaphthene	6	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	6	U

1C NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0266

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5

Sample wt/vol: 850 (g/ml) ML Lab File ID: B3347.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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
121-14-2	2,4-Dinitrotoluene	6	U
100-02-7	4-Nitrophenol	24	U
84-66-2	Diethyl phthalate	6	U
86-73-7	Fluorene	6	U
7005-72-3	4-Chlorophenylphenylether	6	U
100-01-6	4-Nitroaniline	24	U
534-52-1	2-Methyl-4-6-dinitrophenol	24	U
86-30-6	n-Nitrosodiphenylamine	6	U
101-55-3	4-Bromophenylphenylether	6	U
118-74-1	Hexachlorobenzene	6	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	6	U
120-12-7	Anthracene	6	U
84-74-2	Di-n-butyl phthalate	6	U
206-44-0	Fluoranthene	6	U
129-00-0	Pyrene	6	U
85-68-7	Benzyl butyl phthalate	6	U
56-55-3	Benzo(a)anthracene	6	U
91-94-1	3,3'-Dichlorobenzidine	12	U
218-01-9	Chrysene	6	U
117-81-7	bis-2-Ethylhexyl phthalate	6	U
117-84-0	Di-n-octyl phthalate	6	U
205-99-2	Benzo(b)fluoranthene	6	U
207-08-9	Benzo(k)fluoranthene	6	U
50-32-8	Benzo(a)pyrene	6	U
193-39-5	Indeno(1,2,3-cd)pyrene	6	U
53-70-3	Dibenzo(a,h)anthracene	6	U
191-24-2	Benzo(g,h,i)perylene	6	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0266 RE

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5, NO DILN

Sample wt/vol: 850 (g/ml) ML Lab File ID: B3353.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/08/04

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	6	U
111-44-4	bis(2-Chloroethylether)	6	U
108-95-2	Phenol	6	U
95-57-8	2-Chlorophenol	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
100-51-6	Benzyl alcohol	12	U
108-60-1	Bis(2-Chloroisopropylether)	6	U
95-48-7	2-Methylphenol	6	U
67-72-1	Hexachloroethane	6	U
621-64-7	N-Nitrosodi-n-propylamine	6	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	6	U
98-95-30	Nitrobenzene	6	U
78-59-1	Isophorone	6	U
88-75-52	2-Nitrophenol	6	U
105-67-9	2,4-Dimethylphenol	6	U
111-91-1	bis(2-Chloroethoxymethane)	6	U
120-83-2	2,4-Dichlorophenol	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
91-20-3	Naphthalene	6	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	6	U
59-50-7	4-Chloro-3-methylphenol	12	U
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	6	U
88-06-2	2,4,6-Trichlorophenol	6	U
95-95-4	2,4,5-Trichlorophenol	6	U
91-58-7	2-Chloronaphthalene	6	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	6	U
208-96-8	Acenaphthylene	6	U
606-20-2	2,6-Dinitrotoluene	6	U
99-09-2	3-Nitroaniline	24	U
83-32-9	Acenaphthene	6	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	6	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0266 RE

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-5, NO DILN

Sample wt/vol: 850 (g/ml) ML Lab File ID: B3353.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/08/04

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
121-14-2	2,4-Dinitrotoluene	6	U
100-02-7	4-Nitrophenol	24	U
84-66-2	Diethyl phthalate	6	U
86-73-7	Fluorene	6	U
7005-72-3	4-Chlorophenylphenylether	6	U
100-01-6	4-Nitroaniline	24	U
534-52-1	2-Methyl-4-6-dinitrophenol	24	U
86-30-6	n-Nitrosodiphenylamine	6	U
101-55-3	4-Bromophenylphenylether	6	U
118-74-1	Hexachlorobenzene	6	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	6	U
120-12-7	Anthracene	6	U
84-74-2	Di-n-butyl phthalate	6	U
206-44-0	Fluoranthene	6	U
129-00-0	Pyrene	6	U
85-68-7	Benzyl butyl phthalate	6	U
56-55-3	Benzo(a)anthracene	6	U
91-94-1	3,3'-Dichlorobenzidine	12	U
218-01-9	Chrysene	6	U
117-81-7	bis-2-Ethylhexyl phthalate	6	U
117-84-0	Di-n-octyl phthalate	6	U
205-99-2	Benzo(b)fluoranthene	6	U
207-08-9	Benzo(k)fluoranthene	6	U
50-32-8	Benzo(a)pyrene	6	U
193-39-5	Indeno(1,2,3-cd)pyrene	6	U
53-70-3	Dibenzo(a,h)anthracene	6	U
191-24-2	Benzo(g,h,i)perylene	6	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0267A

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-1,NO DILN.

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3337.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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	5	U
111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
100-51-6	Benzyl alcohol	10	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0267A

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-1,NO DILN.

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3337.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U
84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Benzyl butyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0268

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-4

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3349.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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	5	U
111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
100-51-6	Benzyl alcohol	10	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U

1C NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0268

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-4

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3349.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/05/04

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
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U
84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	2	J
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Benzyl butyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-6,NO DILN.

Sample wt/vol: 830 (g/ml) ML Lab File ID: B3338.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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	6	U
111-44-4	bis(2-Chloroethylether)	6	U
108-95-2	Phenol	6	U
95-57-8	2-Chlorophenol	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
95-50-1	1,2-Dichlorobenzene	6	U
100-51-6	Benzyl alcohol	12	U
108-60-1	Bis(2-Chloroisopropylether)	6	U
95-48-7	2-Methylphenol	6	U
67-72-1	Hexachloroethane	6	U
621-64-7	N-Nitrosodi-n-propylamine	6	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	6	U
98-95-30	Nitrobenzene	6	U
78-59-1	Isophorone	6	U
88-75-52	2-Nitrophenol	6	U
105-67-9	2,4-Dimethylphenol	6	U
111-91-1	bis(2-Chloroethoxymethane)	6	U
120-83-2	2,4-Dichlorophenol	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
91-20-3	Naphthalene	6	U
106-47-8	4-Chloroaniline	12	U
87-68-3	Hexachlorobutadiene	6	U
59-50-7	4-Chloro-3-methylphenol	12	U
91-57-6	2-Methylnaphthalene	12	U
77-47-4	Hexachlorocyclopentadiene	6	U
88-06-2	2,4,6-Trichlorophenol	6	U
95-95-4	2,4,5-Trichlorophenol	6	U
91-58-7	2-Chloronaphthalene	6	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethyl phthalate	6	U
208-96-8	Acenaphthylene	6	U
606-20-2	2,6-Dinitrotoluene	6	U
99-09-2	3-Nitroaniline	24	U
83-32-9	Acenaphthene	6	U
51-28-5	2,4-Dinitrophenol	24	U
132-64-9	Dibenzofuran	6	U

1C NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: 403-093-6,NO DILN.

Sample wt/vol: 830 (g/ml) ML Lab File ID: B3338.D

Level: (low/med) LOW Date Received: 03/03/04

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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
121-14-2	2,4-Dinitrotoluene	6	U
100-02-7	4-Nitrophenol	24	U
84-66-2	Diethyl phthalate	6	U
86-73-7	Fluorene	6	U
7005-72-3	4-Chlorophenylphenylether	6	U
100-01-6	4-Nitroaniline	24	U
534-52-1	2-Methyl-4-6-dinitrophenol	24	U
86-30-6	n-Nitrosodiphenylamine	6	U
101-55-3	4-Bromophenylphenylether	6	U
118-74-1	Hexachlorobenzene	6	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	6	U
120-12-7	Anthracene	6	U
84-74-2	Di-n-butyl phthalate	6	U
206-44-0	Fluoranthene	6	U
129-00-0	Pyrene	6	U
85-68-7	Benzyl butyl phthalate	6	U
56-55-3	Benzo(a)anthracene	6	U
91-94-1	3,3'-Dichlorobenzidine	12	U
218-01-9	Chrysene	6	U
117-81-7	bis-2-Ethylhexyl phthalate	6	U
117-84-0	Di-n-octyl phthalate	6	U
205-99-2	Benzo(b)fluoranthene	6	U
207-08-9	Benzo(k)fluoranthene	6	U
50-32-8	Benzo(a)pyrene	6	U
193-39-5	Indeno(1,2,3-cd)pyrene	6	U
53-70-3	Dibenzo(a,h)anthracene	6	U
191-24-2	Benzo(g,h,i)perylene	6	U

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0263

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-2
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	1.2			M
7440-39-3	Barium	67.8	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	0.29	B		M
7440-70-2	Calcium				NR
7440-47-3	Chromium	3.1			M
7440-48-4	Cobalt	6.7	U		P
7440-50-8	Copper	11.9	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	6.3			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	8.5	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.15	B		M
7440-31-5	Tin	1.9	B		M
7440-62-2	Vanadium	5.7	B		P
7440-66-6	Zinc	218			P

Comments:

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0264

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-3
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	2.7			M
7440-39-3	Barium	167	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	3.0			M
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.8			M
7440-48-4	Cobalt	10.3	B		P
7440-50-8	Copper	42.5			P
7439-89-6	Iron				NR
7439-92-1	Lead	13.7			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	20.4	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.15	B		M
7440-31-5	Tin	1.5	B		M
7440-62-2	Vanadium	17.0	B		P
7440-66-6	Zinc	450			P

Comments:

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0266

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-5
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	5.3			M
7440-39-3	Barium	381			P
7440-41-7	Beryllium	2.0	B		P
7440-43-9	Cadmium	0.77	B		M
7440-70-2	Calcium				NR
7440-47-3	Chromium	18.3			M
7440-48-4	Cobalt	14.3	B		P
7440-50-8	Copper	30.1			P
7439-89-6	Iron				NR
7439-92-1	Lead	15.6			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.13	B		CV
7440-02-0	Nickel	30.2	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.94	B		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.25	B		M
7440-31-5	Tin	1.3	B		M
7440-62-2	Vanadium	32.9	B		P
7440-66-6	Zinc	264			P

Comments:

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0267A

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-1
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	0.50	B		M
7440-39-3	Barium	105	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	0.13	U		M
7440-70-2	Calcium				NR
7440-47-3	Chromium	1.2	B		M
7440-48-4	Cobalt	6.7	U		P
7440-50-8	Copper	8.2	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.4			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	8.5	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.35	B		M
7440-31-5	Tin	1.8	B		M
7440-62-2	Vanadium	5.4	U		P
7440-66-6	Zinc	24.4			P

Comments:

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0268

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-4
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	0.36	U		M
7440-39-3	Barium	192	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	0.14	B		M
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.61	U		M
7440-48-4	Cobalt	6.7	U		P
7440-50-8	Copper	5.6	B		P
7439-89-6	Iron				NR
7439-92-1	Lead	2.2			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	11.9	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.12	B		M
7440-31-5	Tin	1.1	U		M
7440-62-2	Vanadium	5.4	U		P
7440-66-6	Zinc	63.3			P

Comments:

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix (soil/water): WATER Lab Sample ID: 0403-093-6
Level (low/med): LOW Date Received: 03/03/04
% Solids: 0.0
Concentration Units (ug/L or mg/Kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	24.0	U		P
7440-38-2	Arsenic	0.36	U		M
7440-39-3	Barium	108	B		P
7440-41-7	Beryllium	0.90	U		P
7440-43-9	Cadmium	0.13	U		M
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.61	U		M
7440-48-4	Cobalt	6.7	U		P
7440-50-8	Copper	3.2	U		P
7439-89-6	Iron				NR
7439-92-1	Lead	1.5			M
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	8.5	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		M
7440-22-4	Silver	5.9	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.14	B		M
7440-31-5	Tin	212			M
7440-62-2	Vanadium	5.4	U		P
7440-66-6	Zinc	11.4	B		P

Comments:

_____
_____
_____
_____

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

	NYSDEC SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	VBLKC1	105	116	98	99	0
02	VBLKC1MS	100	105	97	97	0
03	A0267A	107	110	98	93	0
04	A0263	97	101	99	96	0
05	A0264	100	99	99	91	0
06	VBLKC2	99	103	95	104	0
07	VBLKC2MS	104	109	100	109	0
08	A0268	103	103	95	94	0
09	A0266	103	104	96	97	0
10	A0269	102	104	98	93	0
11	A0269 MS	107	112	96	96	0
12	A0269 MSD	102	102	94	95	0

			QC LIMITS
SMC1	=	Dibromofluoromethane	(67-130)
SMC2	=	1,2-Dichloroethane-d4	(87-118)
SMC3	=	Toluene-d8	(83-111)
SMC4	=	4-Bromofluorobenzene	(91-116)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

	NYSDEC SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	TOT OUT
01	SBLK89	51	49	62	31	40	69	0
02	SBLK89MS	51	48	74	35	48	78	0
03	A0267A	36	28 *	37	24	31	75	1
04	A0269	52	47	58	27	35	63	0
05	A0269 MS	49	47	69	43	50	74	0
06	A0269 MSD	48	47	70	43	49	73	0
07	A0263	41	40 *	59	30	42	73	1
08	A0266	33 *	27 *	26 *	34	43	67	3
09	A0264	38	32 *	33	28	37	68	1
10	A0268	45	45	57	24	33	52	0
11	A0266 RE	34 *	27 *	27 *	33	43	67	3

				QC LIMITS
S1	(NBZ)	=	Nitrobenzene-d5	(35-114)
S2	(FBP)	=	2-Fluorobiphenyl	(43-116)
S3	(TPH)	=	Terphenyl-d14	(33-141)
S4	(PHL)	=	Phenol-d5	(10-110)
S5	(2FP)	=	2-Fluorophenol	(21-110)
S6	(TBP)	=	2,4,6-Tribromophenol	(10-123)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix Spike - EPA Sample No A0269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	25	0.0	25	100	61 - 145
Benzene	25	0.0	24	96	76 - 127
Trichloroethene	25	0.0	24	96	71 - 120
Toluene	25	0.0	23	92	76 - 125
Chlorobenzene	25	0.0	24	96	75 - 130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	25	25	100	0	14	61 - 145
Benzene	25	24	96	0	11	76 - 127
Trichloroethene	25	24	96	0	14	71 - 120
Toluene	25	24	96	4	13	76 - 125
Chlorobenzene	25	26	104	8	13	75 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

3A

WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix Spike - EPA Sample No VBLKC1

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	25	0.0	26	104	61 - 145
Benzene	25	0.0	26	104	76 - 127
Trichloroethene	25	0.0	26	104	71 - 120
Toluene	25	0.0	25	100	76 - 125
Chlorobenzene	25	0.0	26	104	75 - 130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3A
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix Spike - EPA Sample No VBLKC2

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	25	0.0	24	96	61 - 145
Benzene	25	0.0	27	108	76 - 127
Trichloroethene	25	0.0	26	104	71 - 120
Toluene	25	0.0	25	100	76 - 125
Chlorobenzene	25	0.0	25	100	75 - 130

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix Spike - NYSDEC Sample No.: A0269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
N-Nitrosodimethylamine	100	0	73	73	111	77	70	3	40	30 - 170
Phenol	200	0	88	44	222	97	44	0	42	12 - 110
Bis(2-Chloroethylether)	100	0	67	67	111	73	66	1	40	12 - 158
2-Chlorophenol	200	0	130	65	222	137	62	3	40	27 - 123
1,3-Dichlorobenzene	100	0	49	49	111	60	54	5	40	10 - 172
1,4-Dichlorobenzene	100	0	51	51	111	62	56	5	28	36 - 97
1,2-Dichlorobenzene	100	0	52	52	111	63	57	5	40	32 - 129
Benzyl alcohol	100	0	89	89	111	79	71	11	40	30 - 170
2-Methylphenol	100	0	84	84	111	90	81	2	40	30 - 170
Bis(2-Chloroisopropylether)	100	0	64	64	111	70	63	1	40	33 - 166
N-Nitroso-di-n-propylamine	100	0	75	75	111	80	72	2	38	41 - 116
Hexachloroethane	100	0	45	45	111	58	52	7	40	40 - 113
3-Methylphenol/4-Methylphenol	100	0	78	78	111	86	77	0	40	30 - 170
Nitrobenzene	100	0	67	67	111	74	67	0	40	35 - 180
Isophorone	100	0	58	58	111	61	55	3	40	21 - 196
2-Nitrophenol	200	0	152	76	222	160	72	3	40	29 - 182
2,4-Dimethylphenol	200	0	78	39	222	99	44	6	40	32 - 119
Bis(2-Chloroethoxymethane)	100	0	69	69	111	75	67	1	40	33 - 184
2,4-Dichlorophenol	200	0	142	71	222	151	68	2	40	39 - 135
1,2,4-Trichlorobenzene	100	0	55	55	111	67	61	5	28	39 - 98
Naphthalene	100	0	59	59	111	69	62	3	40	21 - 133
4-Chloroaniline	100	0	55	55	111	27	24 *	39	40	30 - 170
Hexachlorobutadiene	100	0	40	40	111	55	50	10	40	24 - 116
4-Chloro-3-methylphenol	200	0	149	74	222	160	72	2	42	23 - 97
2-Methylnaphthalene	100	0	59	59	111	65	58	1	40	30 - 170
Hexachlorocyclopentadiene	100	0	26	26 *	111	30	27 *	2	40	30 - 170
2,4,6-Trichlorophenol	200	0	163	81	222	168	75	4	40	37 - 144
2,4,5-Trichlorophenol	100	0	107	107	111	112	101	3	40	30 - 170
2-Chloronaphthalene	100	0	69	69	111	77	70	0	40	60 - 118
2-Nitroaniline	100	0	76	76	111	82	74	2	40	30 - 170
Dimethyl phthalate	100	0	25	25	111	31	28	6	40	10 - 112
2,6-Dinitrotoluene	100	0	92	92	111	101	91	1	11	50 - 158
Acenaphthylene	100	0	74	74	111	80	72	1	40	33 - 145
3-Nitroaniline	100	0	75	75	111	61	55	16	40	30 - 170
Acenapthene	100	0	71	71	111	76	69	2	31	46 - 118
2,4-Dinitrophenol	200	0	156	78	222	170	77	1	40	10 - 191
4-Nitrophenol	200	0	118	59	222	133	60	0	50	10 - 80
Dibenzofuran	100	0	72	72	111	78	70	2	11	30 - 170
2,4-Dinitrotoluene	100	0	87	87	111	97	88	0	38	24 - 96
Diethyl phthalate	100	0	58	58	111	67	61	2	40	10 - 114
Fluorene	100	0	75	75	111	83	74	0	40	59 - 121
4-Chlorophenylphenylether	100	0	80	80	111	90	81	1	40	25 - 158

3C

WATER SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix Spike - NYSDEC Sample No.: A0269

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Nitroaniline	100	0	100	100	111	105	95	3	40	30 - 170
2-Methyl-4,6-Dinitrophenol	200	0	177	88	222	192	86	1	40	10 - 181
N-Nitrosodiphenylamine	100	0	85	85	111	93	84	1	40	30 - 170
4-Bromophenylphenylether	100	0	95	95	111	105	95	0	40	53 - 127
Hexachlorobenzene	100	0	80	80	111	89	80	0	40	10 - 152
Pentachlorophenol	200	0	112	56	222	104	47	9	50	10 - 103
Phenanthrene	100	0	80	80	111	88	80	0	40	54 120
Anthracene	100	0	80	80	111	89	80	0	40	27 - 133
Di-n-butyl phthalate	100	0	95	95	111	107	96	0	36	10 - 118
Fluoranthene	100	0	81	81	111	89	80	0	40	26 - 137
Pyrene	100	0	90	90	111	104	93	2	31	26 - 127
Butylbenzyl phthalate	100	0	70	70	111	81	73	2	40	10 - 152
3,3'-Dichlorobenzidine	100	0	100	100	111	99	89	6	40	10 - 262
Benzo(a)anthracene	100	0	91	91	111	101	91	0	40	33 - 143
Bis(2-Ethylhexyl) phthalate	100	0	93	93	111	104	94	1	40	10 - 158
Chrysene	100	0	89	89	111	99	89	0	40	17 - 168
Di-n-octyl phthalate	100	0	94	94	111	105	95	0	40	10 - 146
Benzo(b)fluoranthene	100	0	83	83	111	91	82	1	40	24 - 159
Benzo(k)fluoranthene	100	0	85	85	111	94	85	0	40	11 - 162
Benzo(a)apyrene	100	0	86	86	111	94	85	1	40	17 - 163
Indeno(1,2,3-cd)pyrene	100	0	88	88	111	94	85	2	40	10 - 171
Dibenzo(a,h)anthracene	100	0	85	85	111	95	85	0	40	10 - 227
Benzo(g,h,i)perylene	100	0	85	85	111	95	86	0	40	10 - 219

Column to be used to flag recovery and RPD values with an asterisk
* Values outside QC limits

RPD: 0 out of 65 outside limits
Spike recovery: 3 out of 130 outside limits

COMMENTS: Only 500 mL used for the MS, and 450 mL for the MSD, due to bottle breakage during shipping. (See case narrative for further information.)

3C
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix Spike - NYSDEC Sample No.: SBLK89

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
N-Nitrosodimethylamine	50	0	33	65	10 - 111
Phenol	100	0	35	35	12 - 110
Bis(2-Chloroethylether)	50	0	34	69	50 - 98
2-Chlorophenol	100	0	68	68	27 - 123
1,3-Dichlorobenzene	50	0	27	53	39 - 91
1,4-Dichlorobenzene	50	0	27	55	36 - 97
1,2-Dichlorobenzene	50	0	28	55	39 - 94
Benzyl alcohol	50	0	40	81	29 - 97
2-Methylphenol	50	0	44	88	45 - 103
Bis(2-Chloroisopropylether)	50	0	33	66	50 - 99
N-Nitroso-di-n-propylamine	50	0	37	75	41 - 116
Hexachloroethane	50	0	25	50	41 - 94
3-Methylphenol/4-Methylphenol	50	0	41	83	38 - 108
Nitrobenzene	50	0	34	69	52 - 96
Isophorone	50	0	28	57	35 - 90
2-Nitrophenol	100	0	76	76	52 - 99
2,4-Dimethylphenol	100	0	75	75	44 - 96
Bis(2-Chloroethoxymethane)	50	0	35	70	58 - 101
2,4-Dichlorophenol	100	0	75	75	54 - 96
1,2,4-Trichlorobenzene	50	0	29	58	39 - 98
Naphthalene	50	0	30	60	48 - 101
4-Chloroaniline	50	0	8	16	10 - 133
Hexachlorobutadiene	50	0	23	45	10 - 127
4-Chloro-3-methylphenol	100	0	75	75	23 - 97
2-Methylnaphthalene	50	0	28	55	45 - 100
Hexachlorocyclopentadiene	50	0	20	40	10 - 83
2,4,6-Trichlorophenol	100	0	81	81	49 - 103
2,4,5-Trichlorophenol	50	0	51	102	48 - 109
2-Chloronaphthalene	50	0	34	67	51 - 100
2-Nitroaniline	50	0	34	69	14 - 125
Dimethyl phthalate	50	0	16	31	10 - 144
2,6-Dinitrotoluene	50	0	43	87	55 - 100
Acenaphthylene	50	0	36	71	39 - 113
3-Nitroaniline	50	0	24	47	10 - 132
Acenapthene	50	0	34	69	46 - 118
2,4-Dinitrophenol	100	0	67	67	19 - 111
4-Nitrophenol	100	0	38	38	10 - 80
Dibenzofuran	50	0	34	68	54 - 96
2,4-Dinitrotoluene	50	0	43	86	24 - 96
Diethyl phthalate	50	0	32	65	10 - 127
Fluorene	50	0	37	74	54 - 107
4-Chlorophenylphenylether	50	0	39	79	55 - 97

3C
WATER SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241
Lab code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227
Matrix Spike - NYSDEC Sample No.: SBLK89

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
4-Nitroaniline	50	0	43	86	10 - 116
2-Methyl-4,6-Dinitrophenol	100	0	88	88	33 - 123
N-Nitrosodiphenylamine	50	0	42	84	43 - 118
4-Bromophenylphenylether	50	0	48	96	47 - 101
Hexachlorobenzene	50	0	42	84	51 - 106
Pentachlorophenol	100	0	84	84	10 - 103
Phenanthrene	50	0	41	81	55 106
Anthracene	50	0	41	81	54 - 111
Di-n-butyl phthalate	50	0	52	103	37 - 109
Fluoranthene	50	0	43	85	62 - 98
Pyrene	50	0	47	94	26 - 127
Butylbenzyl phthalate	50	0	40	80	28 - 108
3,3'-Dichlorobenzidine	50	0	43	86	10 - 136
Benzo(a)anthracene	50	0	48	95	57 - 104
Bis(2-Ethylhexyl) phthalate	50	0	49	97	58 - 108
Chrysene	50	0	46	91	54 - 108
Di-n-octyl phthalate	50	0	52	105	35 - 123
Benzo(b)fluoranthene	50	0	42	85	40 - 121
Benzo(k)fluoranthene	50	0	44	89	42 - 123
Benzo(a)apyrene	50	0	44	88	46 - 116
Indeno(1,2,3-cd)pyrene	50	0	43	86	19 - 150
Dibenzo(a,h)anthracene	50	0	43	87	42 - 129
Benzo(g,h,i)perylene	50	0	44	88	36 - 142

Column to be used to flag recovery with an asterisk
* Values outside QC limits

Spike recovery: 0 out of 65 outside limits

COMMENTS: _____
_____

DUPLICATES

NYSDEC SAMPLE NO.

A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		24.0000	U	24.0000	U			P
Arsenic		0.3600	U	0.3600	U			M
Barium		107.9000	B	113.1000	B	4.7		P
Beryllium		0.9000	U	0.9000	U			P
Cadmium		0.1300	U	0.1300	U			M
Calcium								NR
Chromium		0.6100	U	0.6100	U			M
Cobalt		6.7000	U	6.7000	U			P
Copper		3.2000	U	3.6000	B	200.0		P
Iron								NR
Lead	1	1.4940		0.7800	U	200.0		M
Magnesium								NR
Manganese								NR
Mercury		0.1000	U	0.1000	U			CV
Nickel		8.5000	U	11.9000	B	200.0		P
Potassium								NR
Selenium		0.7000	U	0.7000	U			M
Silver		5.9000	U	5.9000	U			P
Sodium								NR
Thallium	1	0.1382	B	1.1210		156.1		M
Tin		211.6000		229.6000		8.2		M
Vanadium		5.4000	U	5.4000	U			P
Zinc		11.4000	B	11.3000	B	0.9		P

5A
MATRIX SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE NO.
A0269

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75 - 125	493.0000		24.0000	U	500.00	98.6		P
Arsenic	70 - 130	41.8500		0.3600	U	40.00	104.6		M
Barium	75 - 125	2010.7000		107.9000	B	2000.00	95.1		P
Beryllium	75 - 125	48.6000		0.9000	U	50.00	97.2		P
Cadmium	70 - 130	41.6500		0.1300	U	40.00	104.1		M
Calcium									NR
Chromium	70 - 130	37.1600		0.6100	U	40.00	92.9		M
Cobalt	75 - 125	486.4000		6.7000	U	500.00	97.3		P
Copper	75 - 125	240.3000		3.2000	U	250.00	96.1		P
Iron									NR
Lead	70 - 130	43.0500		1.4940		40.00	103.9		M
Magnesium									NR
Manganese									NR
Mercury	75 - 125	0.9290		0.1000	U	1.00	92.9		CV
Nickel	75 - 125	495.4000		8.5000	U	500.00	99.1		P
Potassium									NR
Selenium	70 - 130	39.6100		0.7000	U	40.00	99.0		M
Silver	75 - 125	45.5000		5.9000	U	50.00	91.0		P
Sodium									NR
Thallium	70 - 130	36.8900		0.1382	B	40.00	91.9		M
Tin		265.4000		211.6000		40.00	134.5		M
Vanadium	75 - 125	485.4000		5.4000	U	500.00	97.1		P
Zinc	75 - 125	505.8000		11.4000	B	500.00	98.9		P

Comments:

4A

VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBLKC1

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID: C8780.D Lab Sample ID: Water Blank

Date Analyzed: 03/05/04 Time Analyzed: 14:15

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB:

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKC1MS	25 UG/L CLP CHECK	C8782.D	14:56
02	A0267A	403-093-1 NYSDEC	C8792.D	21:57
03	A0263	403-093-2 NYSDEC	C8793.D	22:39
04	A0264	403-093-3 NYSDEC	C8794.D	23:20

COMMENTS:

4A

VOLATILE METHOD BLANK SUMMARY

NYSDEC Sample NO.

VBLKC2

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID: C8798.D Lab Sample ID: Water Blank

Date Analyzed: 03/10/04 Time Analyzed: 17:02

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD-C

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD AND MSB:

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	VBLKC2MS	25 UG/L CLP CHECK	C8799.D	17:43
02	A0268	403-093-4A NYSDEC	C8804.D	21:08
03	A0266	403-093-5A NYSDEC	C8805.D	21:48
04	A0269	403-093-6A NYSDEC	C8806.D	22:29
05	A0269 MS	403-093-7A NYSDEC S	C8807.D	23:10
06	A0269 MSD	403-093-8A NYSDEC S-	C8808.D	23:51

COMMENTS:

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKC1

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: Water Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8780.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	8	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKC1

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: Water Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8780.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/05/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKC2

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: Water Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8798.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (mm) Dilution Factor: 1.0

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	25	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
108-05-4	Vinyl Acetate	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	Methyl Ethyl Ketone	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl vinyl ether	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
95-50-1	1,2-Dichlorobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U

1A

NYSDEC SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLKC2

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: Water Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: C8798.D

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 03/10/04

GC Column: RTX-624 ID: 0.25 (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
106-46-7	1,4-Dichlorobenzene	2	U

4B

NYSDEC SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLK89

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID: B3333.D Lab Sample ID: MB89

Instrument ID: MSD-B Date Extracted: 03/03/04

Matrix: (soil/water) WATER Date Analyzed: 03/04/04

Level: (low/med) LOW Time Analyzed: 14:07

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, AND MSB:

	NYSDEC SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SBLK89MS	QC89	B3334.D	03/04/04
02	A0267A	403-093-1,NO DILN.	B3337.D	03/04/04
03	A0269	403-093-6,NO DILN.	B3338.D	03/04/04
04	A0269 MS	403-093-7,NO DILN.(-6	B3339.D	03/04/04
05	A0269 MSD	403-093-8,NO DILN.(-6	B3340.D	03/04/04
06	A0263	403-093-2,NO DILN.	B3341.D	03/04/04
07	A0266	403-093-5	B3347.D	03/05/04
08	A0264	403-093-3	B3348.D	03/05/04
09	A0268	403-093-4	B3349.D	03/05/04
10	A0266 RE	403-093-5, NO DILN.	B3353.D	03/08/04

COMMENTS:

1B

NYSDEC SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SBLK89

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: MB89

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3333.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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	5	U
111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
100-51-6	Benzyl alcohol	10	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SBLK89

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Matrix: (soil/water) WATER Lab Sample ID: MB89

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B3333.D

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted:(Y/N) N Date Extracted: 03/03/04

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/04/04

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
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U
84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Benzyl butyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

BLANKS

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Preparation Blank Matrix (Soil/Water): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): UG/L

ICP 446
ICPMS 447

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											NR
Antimony									24.000	U	P
Arsenic									0.360	U	M
Barium									4.300	U	P
Beryllium									0.900	U	P
Cadmium									0.130	U	M
Calcium											NR
Chromium									0.610	U	M
Cobalt									6.700	U	P
Copper									3.200	U	P
Iron											NR
Lead									0.780	U	M
Magnesium											NR
Manganese											NR
Mercury									0.100	U	CV
Nickel									8.500	U	P
Potassium											NR
Selenium									0.700	U	M
Silver									5.900	U	P
Sodium											NR
Thallium									0.359	B	M
Tin									1.110	U	M
Vanadium									5.400	U	P
Zinc									5.900	B	P

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): C8779.D Date Analyzed: 03/05/04

Instrument ID: MSD-C Time Analyzed: 13:33

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge (Y/N): N

		IS1FB AREA #	RT #	IS2CBZ AREA #	RT #	IS3DCB AREA #	RT #
	12 HOUR STD	27751300	12.64	20410608	18.97	9663326	24.16
	UPPER LIMIT	55502600	13.14	40821216	19.47	19326652	24.66
	LOWER LIMIT	13875650	12.14	10205304	18.47	4831663	23.66
	NYSDEC SAMPLE NO.						
01	VBLKC1	23415478	12.65	16377331	18.99	7397631	24.18
02	VBLKC1MS	24181644	12.66	16933869	19.00	7470537	24.18
03	A0267A	18135942	12.67	13012259	19.00	5700054	24.19
04	A0263	21843778	12.68	14644123	19.01	6253207	24.20
05	A0264	21840938	12.68	14927176	19.01	6571755	24.20

IS1 FB = Fluorobenzene
IS2 CBZ = Chlorobenzene-d5
IS3 DCB = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): C8796.D Date Analyzed: 03/10/04

Instrument ID: MSD-C Time Analyzed: 15:39

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge (Y/N): N

		IS1FB AREA #	RT #	IS2CBZ AREA #	RT #	IS3DCB AREA #	RT #
	12 HOUR STD	31976747	12.55	22534465	18.89	11164613	24.07
	UPPER LIMIT	63953494	13.05	45068930	19.39	22329226	24.57
	LOWER LIMIT	15988374	12.05	11267233	18.39	5582307	23.57
	NYSDEC SAMPLE NO.						
01	VBLKC2	30796243	12.56	21528366	18.89	9472868	24.08
02	VBLKC2MS	28263378	12.57	20372907	18.90	8932681	24.08
03	A0268	23241394	12.57	16206049	18.90	7214142	24.09
04	A0266	21952968	12.57	15360577	18.90	6627699	24.09
05	A0269	22045535	12.57	15150373	18.91	6746190	24.09
06	A0269 MS	21674083	12.57	15326239	18.91	6709470	24.09
07	A0269 MSD	21480027	12.58	15158150	18.91	6495338	24.10

IS1 FB = Fluorobenzene
IS2 CBZ = Chlorobenzene-d5
IS3 DCB = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3332.D Date Analyzed: 03/04/04

Instrument ID: MSD-B Time Analyzed: 12:57

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	305401	13.80	1184840	19.78	642582	29.05
	UPPER LIMIT	610802	14.30	2369680	20.28	1285164	29.55
	LOWER LIMIT	152701	13.30	592420	19.28	321291	28.55
	NYSDEC SAMPLE NO.						
01	SBLK89	346856	13.78	1360380	19.74	755745	29.02
02	SBLK89MS	311058	13.72	1213759	19.69	670157	29.00
03	A0267A	310292	13.72	1247101	19.69	688332	28.99
04	A0269	346498	13.72	1366725	19.67	766756	28.99
05	A0269 MS	291708	13.70	1154194	19.69	639824	29.00
06	A0269 MSD	303003	13.72	1179263	19.69	666492	29.00
07	A0263	307779	13.70	1236061	19.67	705087	28.99

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3332.D Date Analyzed: 03/04/04

Instrument ID: MSD-B Time Analyzed: 12:57

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1054509	34.34	631740	42.66	457191	48.66
	UPPER LIMIT	2109018	34.84	1263480	43.16	914382	49.16
	LOWER LIMIT	527255	33.84	315870	42.16	228596	48.16
	NYSDEC SAMPLE NO.						
01	SBLK89	1016526	34.31	611520	42.61	352126	48.63
02	SBLK89MS	1018519	34.30	521649	42.63	322792	48.62
03	A0267A	986431	34.29	573877	42.61	354466	48.62
04	A0269	1116392	34.29	700364	42.61	470801	48.63
05	A0269 MS	987916	34.30	503568	42.64	341769	48.65
06	A0269 MSD	1048337	34.30	515474	42.62	340383	48.63
07	A0263	1019182	34.29	550427	42.61	329102	48.62

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3344.D Date Analyzed: 03/05/04

Instrument ID: MSD-B Time Analyzed: 16:11

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	276572	13.88	1067649	19.84	570823	29.06
	UPPER LIMIT	553144	14.38	2135298	20.34	1141646	29.56
	LOWER LIMIT	138286	13.38	533825	19.34	285412	28.56
	NYSDEC SAMPLE NO.						
01	A0266	343068	13.73	1401223	19.71	747178	29.01
02	A0264	322649	13.73	1293055	19.69	704831	29.01
03	A0268	353585	13.73	1424013	19.71	754952	29.01

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3344.D Date Analyzed: 03/05/04

Instrument ID: MSD-B Time Analyzed: 16:11

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	853257		34.33		382177		42.64		233843		48.63	
	UPPER LIMIT	1706514		34.83		764354		43.14		467686		49.13	
	LOWER LIMIT	426629		33.83		191089		42.14		116922		48.13	
	NYSDEC SAMPLE NO.												
01	A0266	985783		34.31		511207		42.59		335925		48.60	
02	A0264	928809		34.29		487390		42.59		280783		48.58	
03	A0268	971777		34.31		430124		42.59		214859		48.60	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3352.D Date Analyzed: 03/08/04

Instrument ID: MSD-B Time Analyzed: 12:24

	IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
12 HOUR STD	302994		13.78		1173551		19.76		617323		29.03	
UPPER LIMIT	605988		14.28		2347102		20.26		1234646		29.53	
LOWER LIMIT	151497		13.28		586776		19.26		308662		28.53	
NYSDEC SAMPLE NO.												
01 A0266 RE	351478		13.72		1420188		19.69		772566		28.99	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

Lab File ID (Standard): B3352.D Date Analyzed: 03/08/04

Instrument ID: MSD-B Time Analyzed: 12:24

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	921237		34.32		390268		42.62		247200		48.61	
	UPPER LIMIT	1842474		34.82		780536		43.12		494400		49.11	
	LOWER LIMIT	460619		33.82		195134		42.12		123600		48.11	
	NYSDEC SAMPLE NO.												
01	A0266 RE	1030897		34.29		527411		42.59		327789		48.58	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.
* Values outside of contract required QC limits

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

ICP-MS Insturment ID: Agilent 7500s-3153A Start Date: 03/12/04 End Date: 03/13/04

EPA Sample No.	Time	Internal Standards %RI For: (1)									
		Element Sc 45	Q	Element Ge 74	Q	Element In 115	Q	Element Tb 159	Q	Element Bi 209	Q
S0	1536			100		100		100			
S1	1541			99		101		100			
S2	1545			99		100		100			
S3	1550			101		101		102			
S4	1555			99		99		101			
ICV	1559			101		100		102			
ICB	1603			102		101		103			
ZZZZZZ	1613										
CRI	1617			101		101		102			
ICSA	1622			98		94		99			
ZZZZZZ	1627										
ICSAB	1631			97		93		99			
ZZZZZZ	1636										
ZZZZZZ	1641										
ZZZZZZ	1645										
ZZZZZZ	1650										
CCV1	1654			113		108		109			
CCB1	1659			107		105		106			
ZZZZZZ	1703										
ZZZZZZ	1708										
ZZZZZZ	1713										
PBW 447	1717			107		104		104			
PBWS 447	1722			105		102		102			
ZZZZZZ	1726										
ZZZZZZ	1731										
ZZZZZZ	1735										
ZZZZZZ	1740										
CCV2	1745			97		96		98			
CCB2...	1749			98		98		99			
CCV8	2251			97		89		88			
CCB8	2256			87		83		83			
A0267A	2300			89		84		85			

(1) Acceptance Limits: 60-125%

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: FRIEND LABORATORY, INC. Contract: C004241

Lab Code: 10252 Case No.: RD003 SAS No.: _____ SDG No.: 0227

ICP-MS Insturment ID: Agilent 7500s-3153A Start Date: 03/12/04 End Date: 03/13/04

EPA Sample No.	Time	Internal Standards %RI For: (1)									
		Element Sc 45	Q	Element Ge 74	Q	Element In 115	Q	Element Tb 159	Q	Element Bi 209	Q
A0267A L	2305			72		73		74			
A0263	2309			70		70		73			
A0264	2314			72		70		82			
ZZZZZZ	2319										
A0268	2324			68		69		72			
A0266	2328			79		72		110			
ZZZZZZ	2333										
A0269	2338			83		79		81			
CCV9	2342			78		75		76			
CCB9	2347			71		73		73			
A0269 S	2351			72		70		74			
A0269 D	2356			79		75		78			
ZZZZZZ	0000										
ZZZZZZ	0005										
ZZZZZZ	0010										
ZZZZZZ	0014										
ZZZZZZ	0019										
ZZZZZZ	0024										
ZZZZZZ	0028										
CCV10	0033			98		88		85			
CCB10...	0037			91		84		82			

(1) Acceptance Limits: 60-125%