

**Groundwater Sampling Report  
October 2005**

**Mahopac Business District Wells  
Site 3-40-013**

**Work Assignment No.  
D003821-38**

Prepared for:



**SUPERFUND STANDBY PROGRAM  
New York State  
Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233**

Prepared by:

**Earth Tech Northeast, Inc.  
40 British American Boulevard  
Latham, New York**

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Latham, New York 12110**

**March 2006**

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## **1.0 INTRODUCTION**

In accordance with the September 2004 Work Plan developed for the Mahopac Business District Wells (Mahopac) Site, Earth Tech Northeast, Inc. (Earth Tech) conducted the second of two groundwater sampling events in October 2005, under New York State Department of Environmental Conservation (NYSDEC) Work Assignment # D0003821-38. The first groundwater sampling event took place in May 2005. This site is included in the multi-site work assignment for State Superfund Sites that are currently in the Operation, Maintenance, and Monitoring phase. This report describes and presents the results of the groundwater sampling event that took place on October 24, 2005 at the Mahopac Site. In addition, available historical data provided by the NYSDEC is presented and compared to the 2005 data as part of the evaluation process for this site.

### **1.1 SITE DESCRIPTION**

The Mahopac Site is located at the intersection of Routes 6 and 6N in the Village of Mahopac, Putnam County, New York, as shown in Figure 1. The site is located south-southeast of the shore of Lake Mahopac. The area consists of small businesses, offices and private apartment complexes. In the past, these facilities used private wells for their water supply, drawing groundwater from the bedrock aquifer.

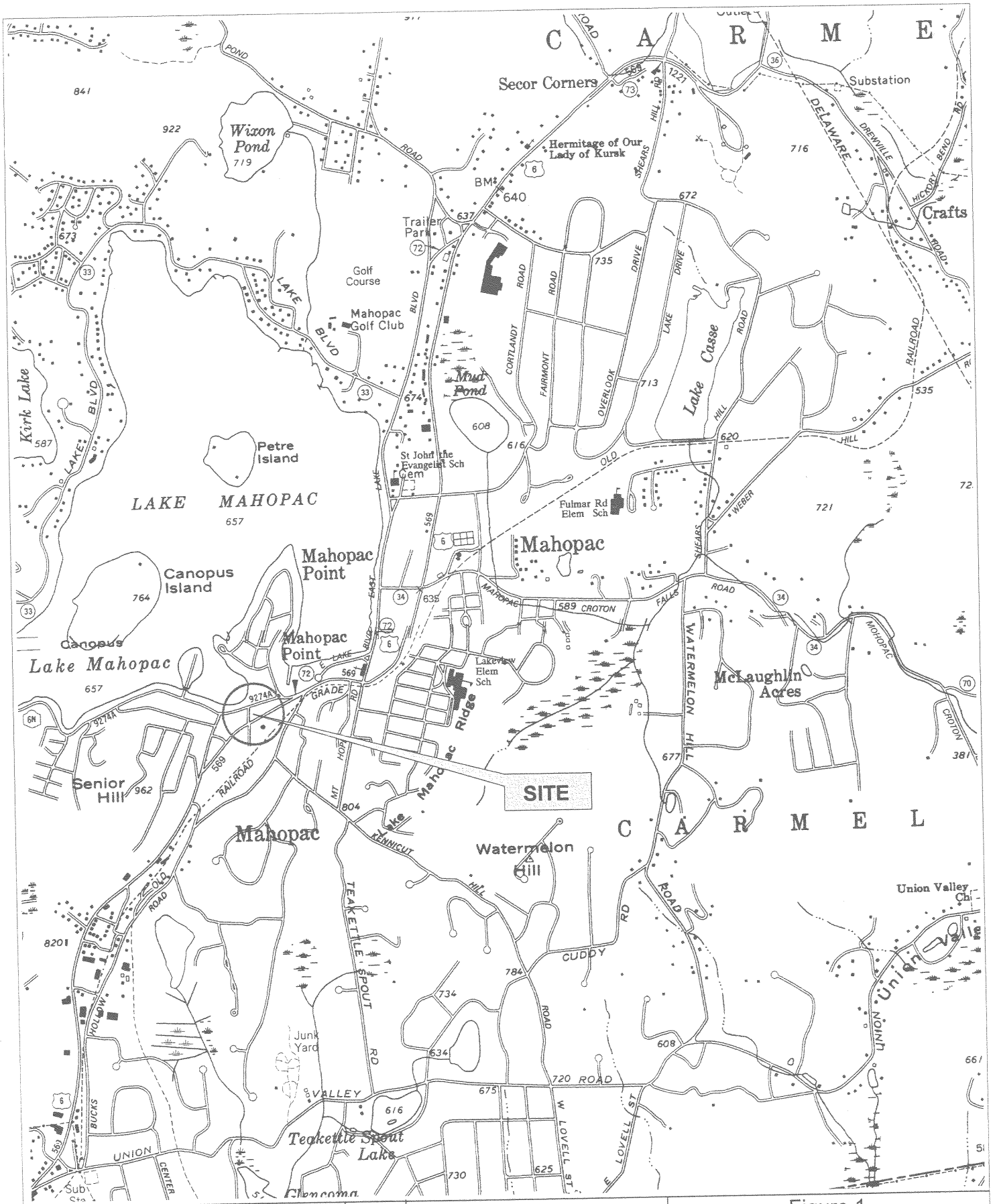
Groundwater contamination was discovered in the wells of the Mahopac Business District following a gasoline spill in the fall of 1978. The Putnam County Health Department sampled private wells in the vicinity of the spill and discovered tetrachloroethene (PCE) and trichloroethene (TCE) in several of the wells, as well as a high bacteria count.

A State funded Remedial Investigation/Feasibility Study (RI/FS) was completed in 1990, and determined that several wells had contaminants above drinking water standards. The remedial activities for the site included 1) the removal of contaminated sewer sediments (a source of contamination), 2) the installation of individual activated carbon treatment units at affected wells, 3) an alternate water supply, and 4) the determination as to whether a groundwater pump and treat system would be necessary after a new water supply was installed.

Since the initial proposal, all consenting private well owners were placed on public water. In 2002, the Putnam County Health Department disclosed that several additional private wells were contaminated with PCE. It is not known if this is evidence of residual contamination or a more recent source.

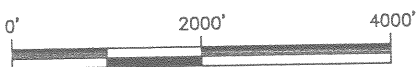
Groundwater sampling has been performed in the past to monitor the effects of the remedy on the groundwater resource, and the present Work Assignment includes two samplings of the site's groundwater monitoring wells, one in May 2005 and one in October 2005. The results from the earlier sampling event are the subject of an Earth Tech report titled Groundwater Sampling Report, Mahopac Business District Wells Site, Site #3-40-013, dated May 2005.





MAP REFERENCE:

DOT 7.5 MINUTE QUADRANGLE, LAKE CARMEL  
AND CROTON FALLS SERISE.



JULY 2005

SCALE

78829



A tyco International Ltd. Company

Figure 1  
SITE LOCATION MAP

Mahopac Business District Wells Site  
Mahopac, New York

## **2.0 SAMPLING**

### **2.1 SAMPLE LOCATIONS**

Groundwater sampling was conducted by Earth Tech's subcontractor, GeoLogic NY, Inc. (GeoLogic), Homer, New York. All sampling was conducted in accordance with GeoLogic's Health and Safety Plan, which was reviewed by Earth Tech.

Table 1 presents a list of site monitoring wells. The locations of these wells are presented in Figure 2, an aerial photograph of the site vicinity. A total of nine monitoring wells were sampled.

### **2.2 GROUNDWATER SAMPLING METHODOLOGY**

Prior to sampling each well, a depth to water measurement was taken using a water level indicator, which was washed in a liquinox bath and rinsed with distilled water before each use. Each monitoring well was purged of three well volumes with a submersible pump where ever possible prior to sampling. If a submersible pump couldn't be used then a peristaltic pump or dedicated bailer was used. All pumps were decontaminated between each monitoring well by a liquinox bath followed by a distilled water rinse.

After purging, temperature, conductivity, pH, turbidity, color and odor of the water were recorded on the field observation logs (Appendix A). Water samples were obtained with new dedicated poly bailers. In the event that a peristaltic pump was used for sampling, new tubing was used for each sample. All groundwater samples were collected in bottles provided by the laboratory. Samples were packed on ice, and submitted with a completed Chain-of-Custody (COC) to Chemtech Laboratories, Inc. located in Mountainside, New Jersey. Each sample was analyzed for Volatile Organic Compounds (VOC) by US EPA Method 624, unless it was known that the monitoring well had a history of low contaminant concentrations, then US EPA Method 524.2 was utilized for a lower detection limit.

At the request of the NYSDEC, a GPS reading and one or more photographs were taken at each well location. These coordinates and photographs are included in Appendix B.

### **2.3 ANALYTICAL RESULTS**

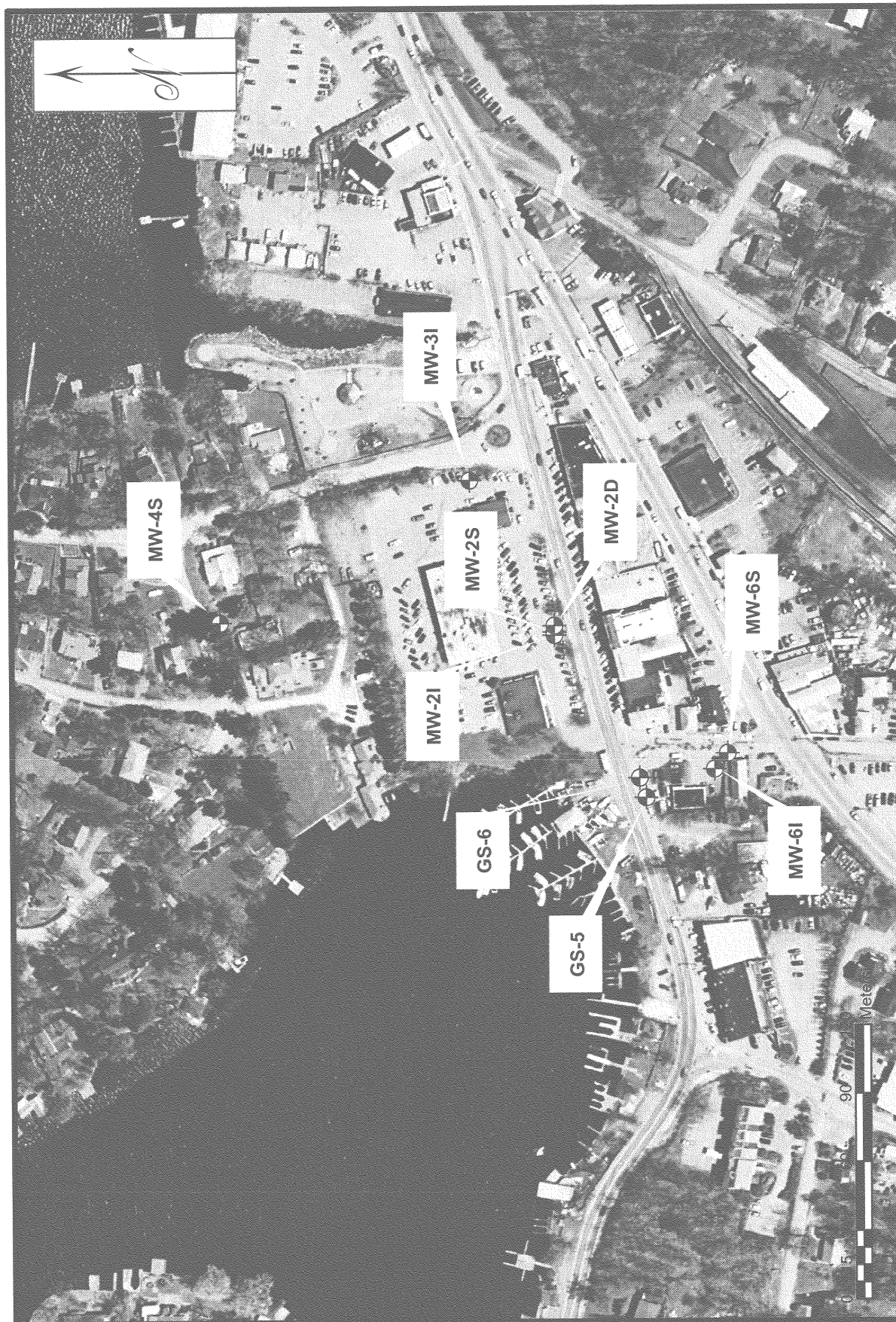
The laboratory data sheets for the VOC analyses and the related COC's are included in Appendix C. A summary of the analytical data for both the May 2005 and October 2005 sampling events is presented on Table 2. Only detected compounds are presented on the table. In addition, the New York State Ambient Water Quality Standards (AWQS) and Guidance Values for groundwater are shown at the top of the table. Any compound detected at a concentration above the applicable standard or guidance value is presented in bold font in a shaded cell for quick reference.

### **2.4 HISTORICAL ANALYTICAL RESULTS**

All available historical data as supplied by the NYSDEC was tabulated and reviewed (Table 3). Only the "Contaminants of Concern" are tabulated as determined from past investigations and present data. The only available data for the Mahopac Site included a groundwater sampling event in March 2002.

**Table 1**  
**Monitoring Well Summary Table**  
**Mahopac Business District Wells Site**  
**Mahopac, New York**  
**Date Sampled: October 24, 2005**  
**Site # 3-40-013**

| Well Identification | Well Diameter &<br>Construction | Measured Depth of Well<br>(ft.) | Depth to Water (ft.) | Condition of Well                                            |
|---------------------|---------------------------------|---------------------------------|----------------------|--------------------------------------------------------------|
| MW-2D               | 2" PVC                          | 32.5                            | 4.85                 | Fair                                                         |
| MW-2I               | 2" PVC                          | 49                              | 3.74                 | Fair                                                         |
| MW-2S               | 2" PVC                          | 20.1                            | 3.43                 | Fair                                                         |
| MW-3I               | 2" PVC                          | 65                              | 1.90                 | Fair                                                         |
| MW-4S               | 2" Stainless Steel              | 20.05                           | 6.50                 | Fair                                                         |
| GS-5                | 2" PVC                          | 10                              | 2.47                 | Fair; Located across from boat docks at the service station. |
| GS-6                | 2" PVC                          | 11                              | 2.35                 | Fair; Located across from boat docks at the service station. |
| MW-6I               | 2" PVC                          | 45.5                            | 1.28                 | Fair                                                         |
| MW-6S               | 2" Stainless Steel              | 10                              | 1.68                 | Fair                                                         |



**Mahopac Business District, NYSDEC Site 3-40-013**  
**Route 6 & Route 6N, Carmel, New York 10512**

**Legend**

Well Locations

Figure 2

October 2005

Datum: NAD 83 (Zone 18), Distance in meters

**Table 2**  
**Groundwater Analytical Results**  
**Mahopac Business District Wells**  
**Mahopac, New York**  
**Volatile Organic Compounds**  
**Date Sampled: October 24, 2005**

| Analyte    |         | Methyl tert-butyl Ether | cis-1,2-dichloroethene | Tetrachloroethene | Methylene Chloride | Trichloroethene | Benzene | Ethylbenzene | Toluene | Chloroform | trans-1,2-Dichloroethene |
|------------|---------|-------------------------|------------------------|-------------------|--------------------|-----------------|---------|--------------|---------|------------|--------------------------|
| AWQS + GV* | 10 (GV) | 5                       | 5                      | 5                 | 5                  | 5               | 1       | 5            | 5       | 7          | 5                        |
| MW-2S      | May-05  | U                       | 0.3J                   | 0.3JB             | U                  | U               | U       | U            | U       | U          | U                        |
|            | Oct-05  | U                       | U                      | U                 | U                  | U               | U       | U            | U       | U          | U                        |
| MW-2I      | May-05  | 1.2J                    | U                      | U                 | U                  | U               | U       | U            | U       | U          | U                        |
|            | Oct-05  | 4.6J                    | 4.8J                   | 4.9J              | U                  | U               | U       | U            | U       | U          | U                        |
| MW-2D      | May-05  | U                       | 0.3J                   | 0.3J              | 0.4JB              | 0.4J            | U       | U            | 0.4J    | U          | U                        |
|            | Oct-05  | U                       | 4.8                    | U                 | U                  | 1.4             | U       | U            | U       | U          | U                        |
| MW-3I      | May-05  | U                       | U                      | U                 | 0.3JB              | U               | U       | U            | U       | 2.8        | U                        |
|            | Oct-05  | U                       | U                      | 0.4J              | U                  | U               | U       | U            | U       | U          | U                        |
| MW-4S      | May-05  | NA                      | NA                     | NA                | NA                 | NA              | NA      | NA           | NA      | NA         | NA                       |
|            | Oct-05  | U                       | U                      | U                 | U                  | U               | U       | U            | U       | U          | U                        |
| GS-5**     | May-05  | U                       | 3J                     | U                 | U                  | U               | 17J     | U            | U       | U          | 1.1J                     |
|            | Oct-05  | 27                      | 3.6J                   | U                 | U                  | U               | 34      | 11           | U       | U          | 1.2J                     |
| GS-6**     | May-05  | U                       | 3.8J                   | 2.7J              | U                  | U               | U       | U            | U       | U          | U                        |
|            | Oct-05  | 13                      | 3.5J                   | 3.2J              | U                  | U               | 2.2J    | U            | U       | U          | U                        |
| MW-6S      | May-05  | U                       | 5.8J                   | 4.8J              | U                  | 0.87J           | U       | U            | U       | U          | U                        |
|            | Oct-05  | U                       | 3.2J                   | 5.1               | U                  | U               | U       | U            | U       | U          | U                        |
| MW-6I      | May-05  | U                       | 2.6J                   | 2.4J              | U                  | U               | U       | U            | U       | U          | U                        |
|            | Oct-05  | U                       | 4.2J                   | 6.1               | U                  | U               | U       | U            | U       | U          | U                        |

All data presented in micrograms per liter (ug/L).

All volatile organic compound analyses were conducted by US EPA Method 624 unless otherwise noted.

\* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

\*\*GS-5 and GS-6 were misidentified as MW-5 and MW-6 in Earth Techs May 2005 Groundwater Sampling Report, Mahopac Business District Wells Site.

U - Compound not detected at or above the instrument detection limit (IDL).

J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL)

D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range.

B = Analyte found in associated method blank

NA indicates 1) no standard or guidance value exists for the compound, or 2) sample was not analyzed for indicated compound.

**BOLD** font in shaded cell indicates exceedances of AWQS+GV.

**Table 3**  
**Historical Analytical Results**  
**Mahopac Business District Wells**  
**Mahopac, New York**  
**Volatile Organic Compounds**  
**March 2002**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | Analyte | Tetrachloroethene | Trichloroethene |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|-------------------|-----------------|
| <b>AWQS + GV*</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |         | 5                 | 5               |
| <b>MW-1I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | 0.5J              | U               |
| <b>MW-2S</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | U                 | U               |
| <b>MW-2I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | U                 | U               |
| <b>MW-2D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | <b>8</b>          | 0.8J            |
| <b>MW-3I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | 0.7J              | U               |
| <b>MW-4S</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | U                 | U               |
| <b>MW-5I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | <b>82D</b>        | 0.6J            |
| <b>MW-6S</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | <b>8</b>          | 0.4J            |
| <b>MW-6I</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mar-02 |         | 4                 | U               |
| <p>All data presented in micrograms per liter (ug/L).</p> <p>* New York State Ambient Water Quality Standards (TOGS 1.1.1) GV - guidance value.</p> <p>U - Compound not detected at or above the instrument detection limit (IDL).</p> <p>J - Estimated concentration above the IDL but less than the contract required detection limits (CRDL)</p> <p>D - Results from a subsequent dilution of the original sample due to original sample results being outside the linear range</p> <p><b>BOLD</b> font in shaded cell indicates exceedances of AWQS +GV.</p> |        |         |                   |                 |



### **3.0 SUMMARY OF ANALYTICAL RESULTS**

For the Mahopac site, both present and available past data (Tables 2 and 3) was reviewed to determine if there are any notable trends in the data concentrations. Previous investigations at this site indicate that the primary contaminants of concern are TCE and PCE.

Though monitoring well survey data was not available for the present investigation and water level maps could not be constructed, previous reports and discussions with NYSDEC personnel indicate the study area has a relatively flat water table which is influenced by the water levels in Lake Mahopac, located directly north-northeast of the site.

Monitoring well nest MW-2S, MW-2I, and MW-2D showed no VOCs above the AWQS or guidance values in the 2005 samples for these wells. The March 2002 concentration of PCE in MW-2D was 8 ug/L, which was above the AWQS for this compound. This concentration decreased to below 1 ug/L in the May 2005 and was not detected in the October 2005 sample for this well. Monitoring well MW-2I shows low estimated concentrations of methyl tert-butyl ether (MTBE), PCE and cis-1,2-dichloroethene for the first time in the 2005 samples.

MW-3I continues to show low estimated concentrations of PCE, all below 1.0 ug/L.

MW-4S showed no concentration of PCE or TCE in either the March 2002 or the October 2005 sample. MW-4S was not sampled in the May 2005 sampling event.

Monitoring wells GS-5 and GS-6 are not part of the investigation but were sampled by Earth Tech with permission of the property owners. One of these wells was originally thought to be well MW-5I, which can no longer be located and may have been paved over. Both GS-5 and GS-6 showed elevated concentrations of MTBE in the October 2005 samples, however, this compound was not detected in the May 2005 samples. In addition, benzene was detected in both GS-5 and GS-6 and ethylbenzene was detected in the October 2005 sample for GS-5 at a concentration of 11 ug/L. Low estimated concentrations of PCE were detected in both 2005 samples for GS-6, but not detected in GS-5. Cis 1,2-dichloroethene was also detected at low estimated concentrations in both wells, below the AWQS for this compound. There was no available historical data for either of these wells.

Monitoring wells MW-6S and MW-6I continue to show concentrations of PCE near or slightly above the AWQS of 5 ug/L in 2005, which is consistent with the March 2002 samples for these wells. In addition, cis 1,2-dichloroethene was also detected in these two wells at estimated concentrations near or slightly above the AWQS of 5 ug/L.

The concentrations of contaminants in the wells at the Mahopac Site show no evident trends with the available data. Overall contaminant concentrations remain relatively low, with the exception of the gasoline compounds detected in GS-5 and GS-6.

## **Appendix A – Field Observation Logs**



# FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME: Mahopac Business District

DATE: 10/24/05

SAMPLER(S): J. SANDBERG

SITE NUMBER: 340013

ADDRESS: MAHOPAC, NY

Weather: Cloudy, 50°F

Time of Arrival: 10/24/05 11:40 AM

Time of Departure:

|                                                       | MW-1 | MW-2D                      | MW-2I                      | MW-2S                      | Comments |
|-------------------------------------------------------|------|----------------------------|----------------------------|----------------------------|----------|
| Well Depth MEASURED                                   | 133  | 325                        | 49                         | 20.1                       |          |
| Well Diameter                                         | 2"   | 2"                         | 2"                         | 2"                         |          |
| Well Construction<br>PVC Stain Steel                  |      | PVC                        | PVC                        | PVC                        |          |
| Well Condition<br>Good, Fair, Poor                    |      | FAIR                       | FAIR                       | FAIR                       |          |
| Depth to Water                                        |      | 4.85'                      | 3.74'                      | 3.43'                      |          |
| Volume to Purge                                       |      | 154 gal                    | 22 gal                     | 8 gal.                     |          |
| Volume Purged                                         |      | ~125 gal                   | ~25 gal                    | ~8 gal                     |          |
| Sampling Depth to Water                               |      | ~50'                       | ~45'                       | ~18'                       |          |
| Color                                                 |      | clear                      | clear                      | clear                      |          |
| Odor                                                  |      | none                       | none                       | none                       |          |
| Temperature                                           |      | 54.5°F                     | 56.6°F                     | 59.5°F                     |          |
| Conductivity                                          |      | 1.68 mS                    | 2.48 mS                    | 5.44 mS                    |          |
| pH                                                    |      | 7.5                        | 7.2                        | 7.4                        |          |
| Turbidity                                             |      | 5.0 NTU                    | 1.3 NTU                    | 10.2 NTU                   |          |
| Date & Time                                           |      | 10/24/05<br>6:00 PM        | 10/24/05<br>5:10 PM        | 10/24/05<br>4:45 PM        |          |
| Purging Method:<br>Submersible or<br>Peristaltic Pump |      | Sub.                       | sub.                       | sub.                       |          |
| GPS                                                   |      | 41°22.334'N<br>87°34.172'W | 41°22.334'N<br>87°34.170'W | 41°22.334'N<br>87°34.173'W |          |
| Photo's Taken                                         |      | ✓                          | ✓                          | ✓                          |          |

18605654E 18605657E 18605653E  
4580638N 4580639N 4580638N

# FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME: Mahopac Business District

DATE: 10/24/05 SAMPLER(S): J. SANDBERG

SITE NUMBER: 340013

ADDRESS: MAHOPAC, NY

Weather: Cloudy, 58°F

Time of Arrival: 10/24/05 11:40 AM Time of Departure: \_\_\_\_\_

|                                                       | MW-3I                     | MW-4S                     | MW-5I                     | MW-6I                     | Comments |
|-------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------|
| Well Depth MEASURED                                   | 65                        | 20                        | 65                        | <del>45.5</del><br>10' ✓  |          |
| Well Diameter                                         | 2"                        | 2"                        | 2"                        | 2"                        |          |
| Well Construction<br>PVC Stain Steel                  | PVC                       | SS.                       |                           | S.S.                      |          |
| Well Condition<br>Good, Fair, Poor                    | FAIR                      | FAIR                      |                           | FAIR                      |          |
| Depth to Water                                        | 1.90'                     | 6.50'                     |                           | 1.68'                     |          |
| Volume to Purge                                       |                           | 6.5 gal                   |                           | 4 gal                     |          |
| Volume Purged                                         |                           | ~7 gal                    |                           | ~5 gal                    |          |
| Sampling Depth to Water                               | ~60'                      | ~18'                      |                           | ~8'                       |          |
| Color                                                 | clear                     | clear                     |                           | clear                     |          |
| Odor                                                  | none                      | none                      |                           | none                      |          |
| Temperature                                           | 57.8°F                    | 55.0°F                    |                           | 63.5°                     |          |
| Conductivity                                          | 1.62 mS                   | 1.78 mS                   |                           | 2.83 mS                   |          |
| pH                                                    | 7.1                       | 6.1                       |                           | 6.8                       |          |
| Turbidity                                             | 15.78                     | 146.7                     |                           | 5.49                      |          |
| Date & Time                                           | 10/24/05<br>6:00 PM       | 10/24/05<br>5:45 PM       |                           | 10/24/05<br>3:40 PM       |          |
| Purging Method:<br>Submersible or<br>Peristaltic Pump | sub.                      | sub.                      |                           | sub.                      |          |
| GPS                                                   | 41°22.360N<br>073°44.112W | 41°22.411N<br>073°44.166W | 41°22.360N<br>073°44.112W | 41°22.299N<br>073°44.205W |          |
| Photo's Taken                                         | ✓                         | ✓                         | ✓                         | ✓                         |          |

18 605738E 18 605662E 18 605738E 18 605610E  
4580486N 4580792N 4580686N 4580573N

# FIELD OBSERVATION LOG - GROUNDWATER SAMPLING RECORD

SITE NAME: Mahopac Business District

DATE: 10/24/05 SAMPLER(S): J. SANDBERG

SITE NUMBER: 340013

ADDRESS: MAHOPAC, NY

Weather: Cloudy, 58°F

Time of Arrival: 10/24/05 11:40 AM Time of Departure:

|                                                    | MW-6S                     | GS-5 gas station well     | GS-6 gas station well     | Well 2 | Comments |
|----------------------------------------------------|---------------------------|---------------------------|---------------------------|--------|----------|
| Well Depth MEASURED                                | 20'<br>45.5'              | 10                        | 11                        |        |          |
| Well Diameter                                      | 2"                        | 2"                        | 2"                        |        |          |
| Well Construction<br>PVC Stain Steel               | PVC                       | PVC                       | PVC                       |        |          |
| Well Condition<br>Good, Fair, Poor                 | FAIR                      | FAIR                      | FAIR                      |        |          |
| Depth to Water                                     | 1.28'                     | 2.47'                     | 2.35'                     |        |          |
| Volume to Purge                                    | 2' gal                    | 3.6 gal                   | 4 gal                     |        |          |
| Volume Purged                                      | ~23 gal.                  | ~5 gal                    | ~5 gal                    |        |          |
| Sampling Depth to Water                            | ~40'                      | ~9'                       | ~10'                      |        |          |
| Color                                              | clear                     | clear                     | clear                     |        |          |
| Odor                                               | none                      | none                      | none                      |        |          |
| Temperature                                        | 58.8°F                    | 62.7°F                    | 64.3°F                    |        |          |
| Conductivity                                       | 1695 µS                   | 1643 µS                   | 1685 µS                   |        |          |
| pH                                                 | 6.7                       | 7.0                       | 7.0                       |        |          |
| Turbidity                                          | 1.62                      | 11.19                     | 0.63                      |        |          |
| Date & Time                                        | 10/24/05<br>3:50 PM       | 10/24/05<br>4:00 PM       | 10/24/05<br>4:05 PM       |        |          |
| Purging Method:<br>Submersible or Peristaltic Pump | sub                       | sub                       | sub                       |        |          |
| GPS                                                | 41°22.300N<br>073°44.204W | 41°22.317N<br>073°44.214W | 41°22.322N<br>073°44.205W |        |          |
| Photo's Taken                                      | ✓                         | ✓                         | ✓                         |        |          |

18605611E 18605594E 18605609E  
4580574N 4580605N 4580615N



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO.

T5416

# CHAIN OF CUSTODY RECORD

COC Number

055135

| CLIENT INFORMATION                                                                                         |  | CLIENT PROJECT INFORMATION                                                                                                        |  | CLIENT BILLING INFORMATION                                                             |  |
|------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|
| COMPANY: EARTHTECH INC.                                                                                    |  | PROJECT NAME: MAHOPAC                                                                                                             |  | BILL TO:                                                                               |  |
| ADDRESS: 40 BRITISH AMERICAN BLDG                                                                          |  | PROJECT NO.: 340013 LOCATION: MAHOPAC, NY                                                                                         |  | ADDRESS:                                                                               |  |
| CITY: LATHAM                                                                                               |  | PROJECT MANAGER:                                                                                                                  |  | CITY:                                                                                  |  |
| ATTENTION: LORI HOOSE                                                                                      |  | e-mail:                                                                                                                           |  | STATE:                                                                                 |  |
| PHONE: 318-951-2353 FAX:                                                                                   |  | PHONE:                                                                                                                            |  | ATTENTION:                                                                             |  |
| FAX:                                                                                                       |  | FAX:                                                                                                                              |  | PHONE:                                                                                 |  |
| HARD COPY: _____                                                                                           |  | DATA DELIVERABLE INFORMATION                                                                                                      |  | ANALYSIS                                                                               |  |
| EOD: _____                                                                                                 |  | RESULTS ONLY <input type="checkbox"/> USEPA CLP                                                                                   |  | 1 2 3 4 5 6 7 8 9                                                                      |  |
| * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS                                  |  | RESULTS + QC <input type="checkbox"/> New York State ASP "B"                                                                      |  |                                                                                        |  |
|                                                                                                            |  | New Jersey REDUCED <input type="checkbox"/> New York State ASP "A"                                                                |  |                                                                                        |  |
|                                                                                                            |  | New Jersey CLP <input type="checkbox"/> Other _____                                                                               |  |                                                                                        |  |
|                                                                                                            |  | EDD FORMAT <input type="checkbox"/>                                                                                               |  |                                                                                        |  |
| DATA TURNAROUND INFORMATION                                                                                |  | SAMPLE TYPE                                                                                                                       |  | PRESERVATIVES                                                                          |  |
| PROJECT IDENTIFICATION                                                                                     |  | SAMPLE MATRIX                                                                                                                     |  | 1 2 3 4 5 6 7 8 9                                                                      |  |
| CHEMTECH SAMPLE ID                                                                                         |  | SAMPLE COLLECTION DATE TIME                                                                                                       |  | COMMENTS                                                                               |  |
| 1. MW-2D                                                                                                   |  | X 10/24/05 6:00 PM 3                                                                                                              |  | A A 1 2 3 4 5 6 7 8 9                                                                  |  |
| 2. MW-2T                                                                                                   |  | 5:10 PM 2                                                                                                                         |  | X                                                                                      |  |
| 3. MW-2S                                                                                                   |  | 4:45 PM 3                                                                                                                         |  | X                                                                                      |  |
| 4. MW-3I                                                                                                   |  | 6:00 PM 3                                                                                                                         |  | X                                                                                      |  |
| 5. MW-4S                                                                                                   |  | 5:45 PM 3                                                                                                                         |  | X                                                                                      |  |
| 6. MW-6I                                                                                                   |  | 3:40 PM 2                                                                                                                         |  | X                                                                                      |  |
| 7. MW-6S                                                                                                   |  | 3:50 PM 2                                                                                                                         |  | X                                                                                      |  |
| 8. GS-5                                                                                                    |  | 4:00 PM 2                                                                                                                         |  | X                                                                                      |  |
| 9. GS-6                                                                                                    |  | 4:05 PM 2                                                                                                                         |  | X                                                                                      |  |
| 10. TRIP BLANKS                                                                                            |  | 3                                                                                                                                 |  | X                                                                                      |  |
| RELINQUISHED BY SAMPLER:                                                                                   |  | DATE/TIME:                                                                                                                        |  | RECEIVED BY:                                                                           |  |
| 1. J. B. S. 10/25/05                                                                                       |  | 10/25/05                                                                                                                          |  | 1. 10/25/05                                                                            |  |
| RELINQUISHED BY:                                                                                           |  | DATE/TIME:                                                                                                                        |  | RECEIVED BY:                                                                           |  |
| 2. 10/26/05                                                                                                |  | 10/26/05                                                                                                                          |  | 2. 10/26/05                                                                            |  |
| RELINQUISHED BY:                                                                                           |  | DATE/TIME:                                                                                                                        |  | RECEIVED FOR LAB BY:                                                                   |  |
| 3. 10/26/05                                                                                                |  | 10/26/05                                                                                                                          |  | 3. 10/26/05                                                                            |  |
| SHIPPED VIA: CLIENT: <input type="checkbox"/> HAND DELIVERED <input checked="" type="checkbox"/> OVERNIGHT |  | Page 1 of 1                                                                                                                       |  | SHIPMENT COMPLETE: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |  |
| Comments: MeOH extraction requires an additional 4 oz jar for percent solid.                               |  | Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant |  | Cooler Temp. 4°C                                                                       |  |
| Comments: Ice in Cooler?: 4°C                                                                              |  |                                                                                                                                   |  |                                                                                        |  |

## **Appendix B – Monitoring Well Photographs and GIS Data**

MAHOPAC BUSINESS DISTRICT WELLS  
NYSDEC SITE #3-40-013

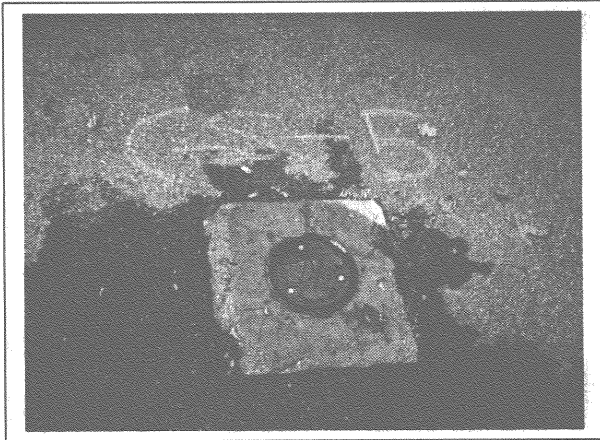


Photo Left. GS-5  
41°22.317N  
073°44.214W



Photo Left. GS-5  
41°22.317N  
073°44.214W

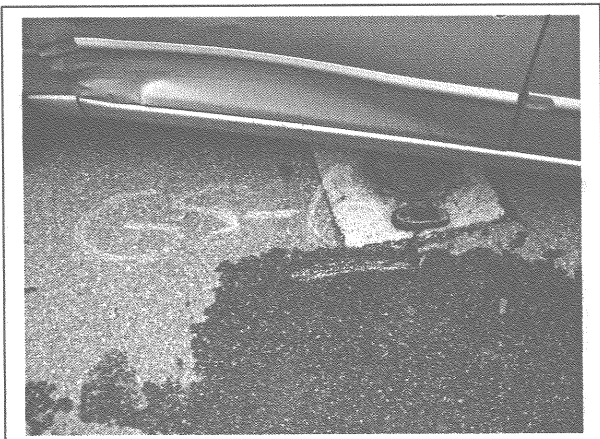


Photo Left. GS-6  
41°22.322N  
073°44.205W

MAHOPAC BUSINESS DISTRICT WELLS  
NYSDEC SITE #3-40-013



Photo Left. GS-6  
41°22.322N  
073°44.205W

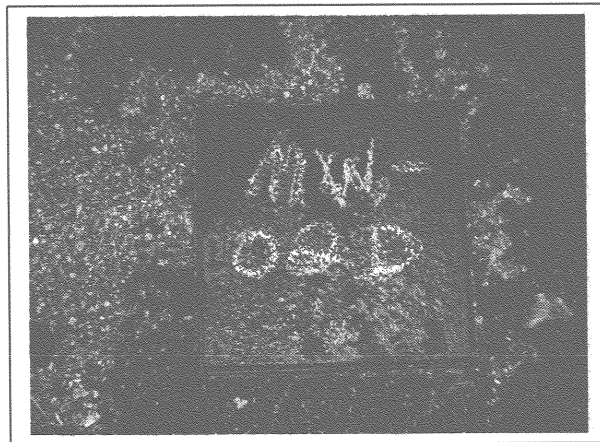


Photo Left. MW-2D  
41°22.334N  
073°44.172W

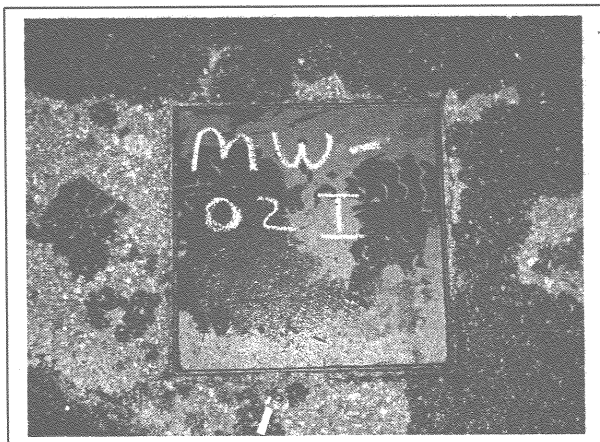


Photo Left. MW-2I  
41°22.334N  
073°44.170W



MAHOPAC BUSINESS DISTRICT WELLS  
NYSDEC SITE #3-40-013

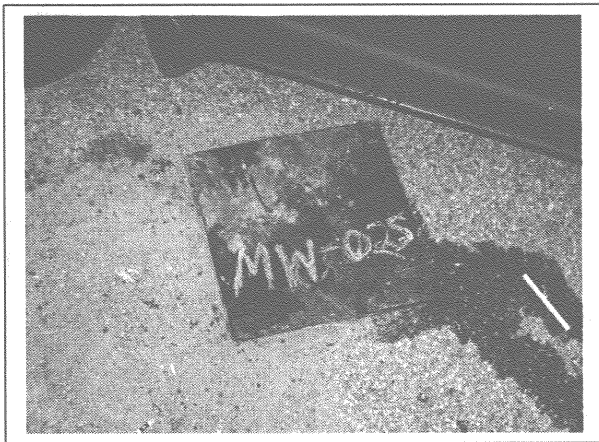


Photo Left. MW-2S  
41°22.334N  
073°44.173W

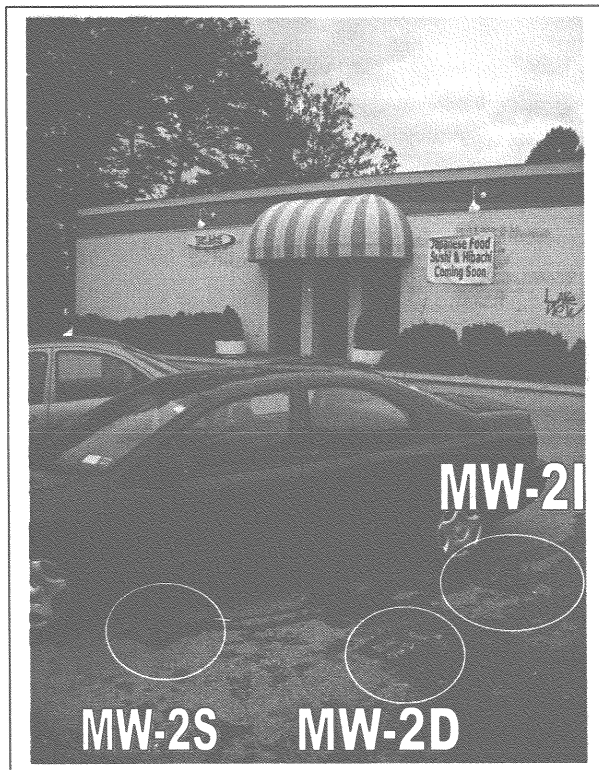


Photo Left. MW-2D, -2I, and -2S  
41°22.334N  
073°44.172W

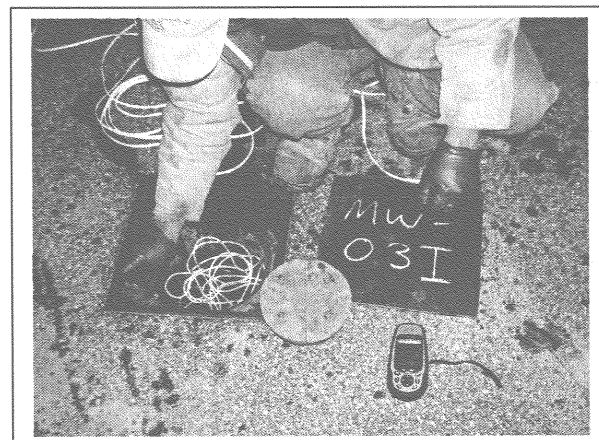


Photo Left. MW-3I  
41°22.360N  
073°44.112W



MAHOPAC BUSINESS DISTRICT WELLS  
NYSDEC SITE #3-40-013



Photo Left. MW-3I  
41°22.360N  
073°44.112W

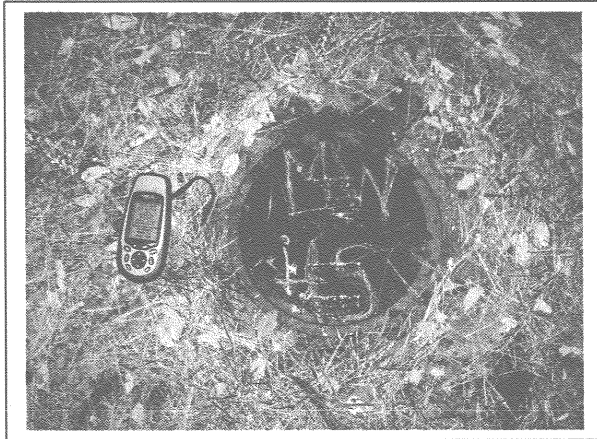


Photo Left. MW-4S  
41°22.417N  
073°44.166W



Photo Left. MW-4S  
41°22.417N  
073°44.166W

MAHOPAC BUSINESS DISTRICT WELLS  
NYSDEC SITE #3-40-013

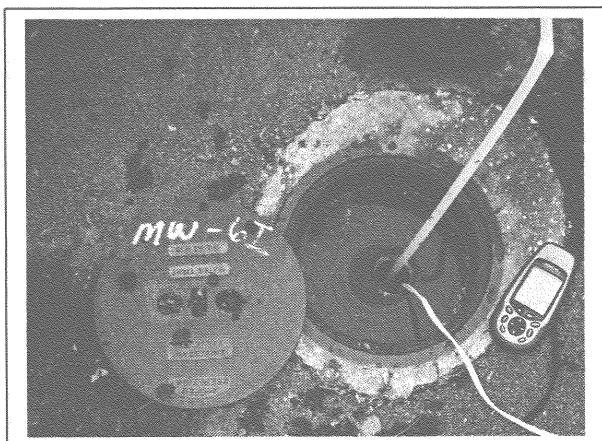


Photo Left. MW-6I  
41°22.299N  
073°44.205W

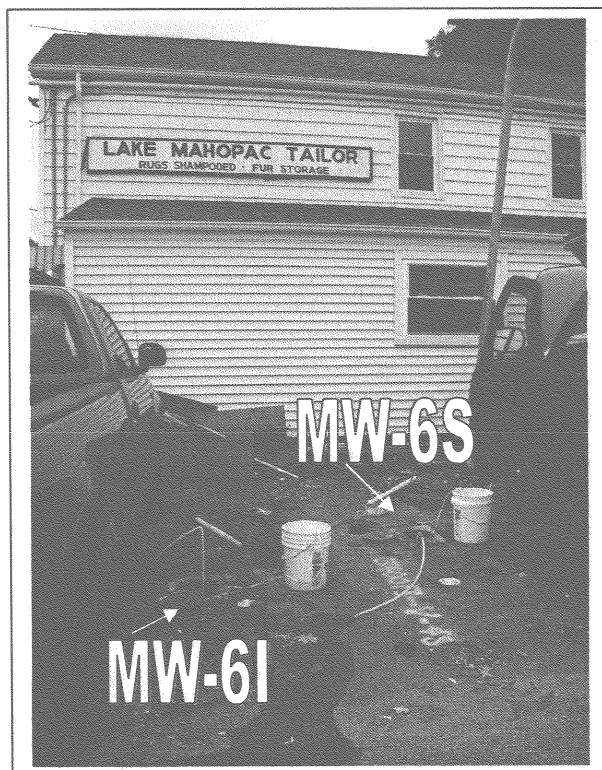


Photo Left. MW-6I and -6S  
41°22.299N  
073°44.205W

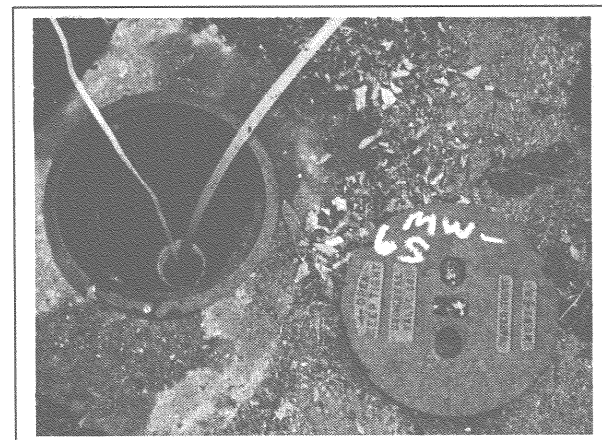


Photo Left. MW-6S  
41°22.300N  
073°44.204W

## **Appendix C – Analytical Report**

## COVER PAGE

OrderID: T5416

ProjectID: NYSDEC O&amp;M D003821-37

CustomerName: Earth Tech, Inc.

SDG ID: Maho pac 340013

11/22/05

## LAB SAMPLE NO.

T5416-01

T5416-02

T5416-03

T5416-04

T5416-05

T5416-06

T5416-07

T5416-08

T5416-09

T5416-10

## CLIENT SAMPLE NO

MW-2D

MW-2I

MW-2S

MW-3I

MW-4S

MW-6I

MW-6S

GS-5

GS-6

TRIPBLANKS

I certify that the 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 hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO. 75416  
COC Number 055135

CHAIN OF CUSTODY RECORD

| CLIENT INFORMATION                                     |    |             | CLIENT PROJECT INFORMATION                                                                  |   |          | CLIENT BILLING INFORMATION |   |   |               |  |  |                                                                                                                             |  |  |
|--------------------------------------------------------|----|-------------|---------------------------------------------------------------------------------------------|---|----------|----------------------------|---|---|---------------|--|--|-----------------------------------------------------------------------------------------------------------------------------|--|--|
| REPORT TO BE SENT TO:                                  |    |             | PROJECT NAME: <u>MAHOPAC</u>                                                                |   |          | BILL TO:                   |   |   |               |  |  |                                                                                                                             |  |  |
| ADDRESS: <u>40 BRITISH AMERICAN BLDG</u>               |    |             | PROJECT NO: <u>340013</u> LOCATION: <u>MAHOPAC, NY</u>                                      |   |          | ADDRESS:                   |   |   |               |  |  |                                                                                                                             |  |  |
| CITY: <u>LATHAM</u> STATE: <u>NY</u> ZIP: <u>12110</u> |    |             | PROJECT MANAGER:                                                                            |   |          | CITY:                      |   |   |               |  |  |                                                                                                                             |  |  |
| ATTENTION: <u>LORT HOOSE</u>                           |    |             | e-mail:                                                                                     |   |          | STATE:                     |   |   |               |  |  |                                                                                                                             |  |  |
| PHONE: <u>518-951-2353</u> FAX: <u>518-951-2353</u>    |    |             | PHONE:                                                                                      |   |          | ATTENTION:                 |   |   |               |  |  |                                                                                                                             |  |  |
| FAX:                                                   |    |             | FAX:                                                                                        |   |          | PHONE:                     |   |   |               |  |  |                                                                                                                             |  |  |
| HARD COPY:                                             |    |             | DATA DELIVERABLE INFORMATION                                                                |   |          | ANALYSIS                   |   |   |               |  |  |                                                                                                                             |  |  |
| EDD:                                                   |    |             | <input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP                    |   |          |                            |   |   |               |  |  |                                                                                                                             |  |  |
| * TO BE APPROVED BY CHEMTECH                           |    |             | <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B"       |   |          |                            |   |   |               |  |  |                                                                                                                             |  |  |
| STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS           |    |             | <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" |   |          |                            |   |   |               |  |  |                                                                                                                             |  |  |
|                                                        |    |             | <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other                      |   |          |                            |   |   |               |  |  |                                                                                                                             |  |  |
|                                                        |    |             | <input type="checkbox"/> EDD FORMAT                                                         |   |          |                            |   |   |               |  |  |                                                                                                                             |  |  |
| PROJECT IDENTIFICATION                                 |    |             | SAMPLE TYPE                                                                                 |   |          | SAMPLE COLLECTION          |   |   | PRESERVATIVES |  |  | COMMENTS                                                                                                                    |  |  |
| CHEMTECH SAMPLE ID                                     |    |             | SAMPLE MATRIX                                                                               |   |          | DATE                       |   |   | TIME          |  |  | ← Specify Preservatives<br>A - HCl B - HNO <sub>3</sub><br>C - H <sub>2</sub> SO <sub>4</sub> D - NaOH<br>E - ICE F - Other |  |  |
| 1                                                      | 1  | MW-2D       | W                                                                                           | X | 10/24/05 | 6:00 PM                    | 3 | A | A             |  |  |                                                                                                                             |  |  |
| 2                                                      | 2  | MW-2T       |                                                                                             |   |          | 5:10 PM                    | 2 | X |               |  |  |                                                                                                                             |  |  |
| 3                                                      | 3  | MW-2S       |                                                                                             |   |          | 4:45 PM                    | 3 | X |               |  |  |                                                                                                                             |  |  |
| 4                                                      | 4  | MW-3I       |                                                                                             |   |          | 6:00 PM                    | 3 | X |               |  |  |                                                                                                                             |  |  |
| 5                                                      | 5  | MW-4S       |                                                                                             |   |          | 5:45 PM                    | 3 | X |               |  |  |                                                                                                                             |  |  |
| 6                                                      | 6  | MW-6I       |                                                                                             |   |          | 3:40 PM                    | 2 | X |               |  |  |                                                                                                                             |  |  |
| 7                                                      | 7  | MW-6S       |                                                                                             |   |          | 3:50 PM                    | 2 | X |               |  |  |                                                                                                                             |  |  |
| 8                                                      | 8  | GS-5        |                                                                                             |   |          | 4:00 PM                    | 2 | X |               |  |  |                                                                                                                             |  |  |
| 9                                                      | 9  | GS-6        |                                                                                             |   |          | 4:05 PM                    | 2 | X |               |  |  |                                                                                                                             |  |  |
| 10                                                     | 10 | TRIP BLANKS |                                                                                             |   |          |                            | 3 | X |               |  |  |                                                                                                                             |  |  |

| SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY |                 |                      |
|--------------------------------------------------------------------------------------------------------|-----------------|----------------------|
| RELINQUISHED BY SAMPLER:                                                                               | DATE/TIME:      | RECEIVED BY:         |
| 1. <u>David Sny</u>                                                                                    | <u>10/25/05</u> | 1. <u>U. Th. Hon</u> |
| 2. <u>PS</u>                                                                                           | <u>10-26-05</u> | 2. <u>10-26-05</u>   |
| 3. <u>U. Th. Hon</u>                                                                                   | <u>10-26-05</u> | 3. <u>10-26-05</u>   |

| SHIPMENT COMPLETE                                                                                |                                                                            |                                                                     |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------|
| SHIPPED VIA:                                                                                     | CLIENT:                                                                    | SHIPMENT COMPLETE:                                                  |
| <input checked="" type="checkbox"/> HAND DELIVERED <input checked="" type="checkbox"/> OVERNIGHT | <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OVERNIGHT | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| Comments: <u>MeOH extraction requires an additional 4 oz jar for percent solid.</u>              |                                                                            |                                                                     |
| Cooler Temp. <u>4°C</u>                                                                          |                                                                            |                                                                     |
| Ice in Cooler?: <u>yes</u>                                                                       |                                                                            |                                                                     |

Page 1 of 1

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY



**UPS Next Day Air<sup>SM</sup>**  
**UPS Worldwide Express**

|                    |                          |
|--------------------|--------------------------|
| TRACKING<br>NUMBER | JZ F02 887 22 1000 269 3 |
|--------------------|--------------------------|

SHIPMENT FROM  
SHIPPER'S  
UPS  
ACCOUNT  
UPS ACCOUNT NO.  
F02887

REFERENCE NUMBER

FX2887 205062

TELEPHONE

607-749-5000

**GEOLOGIC NY, INC.**

37 COPELAND AVENUE

· X

HOMER

Y 13077

## 2 EXTREMELY URGENT DELIVERY TO

TELEPHONE

908-789-8900

CHEMTECH

1

284 Sheffield Street

Mountain Side, NJ

07092



9 SHIPPER'S SIGNATURE **X** **TAS** DATE OF SHIPMENT

0101911202609 6/00 S

DATE OF SHIPMENT  
10-25-05

018174\_P1

15593998

30 of 48

3

**DATA REPORTING QUALIFIERS- ORGANIC**

For reporting results, the following "Results Qualifiers" are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as "12 B".                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |

QA REVIEW GENERAL DOCUMENTATION

Project #:

15416

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication, airbill, sample management lab chronicle, login page)

Check chain-of-custody for proper relinquish/return of samples

Is the chain of custody signed and complete

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

Collect information for each project id from server. Were all requirements followed

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody and on login page

Do lab numbers and client Ids on cover page agree with the Chain of Custody

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

Do requested analyses on Chain of Custody agree with the log-in page

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

Were the samples received within hold time

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

Non - Conformance /Comments:

1<sup>st</sup> Level QA Review Signature:

*Kimberly Pulley*

Date:

11/22/05

2<sup>nd</sup> Level QA Review Signature:

Date:



**CASE NARRATIVE**

**Earth Tech, Inc.**

**Project Name: NYSDEC O&M D003821-37/38**

**Project # N/A**

**Chemtech Project # T5416**

**A. Number of Samples and Date of Receipt:**

10 Water samples were received on 10/26/05.

**B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1, and Volatiles Method 524.2. This data package contains results for VOCMS Group1 and Volatiles Method 524.2.

**C. Analytical Techniques:**

The analysis performed on instrument MSVOA D were done using GC column RTX624 which is 20 meters, 0.18 ID, 1.0 df, Restek Cat. #40924. The Trap was supplied by OI Analytical, OI #10 Trap , OI Eclipse 4660 Concentrator. The analysis performed on instrument MSVOA F were done using GC column RTX624, which is 75 meters, 0.53 ID, 3.0 df, Restek Cat. #10974. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for T5451-07MSD.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene.

The MSD recoveries met the acceptable requirements except for Bromomethane, t-1,3-Dichloropropene, Dibromochloromethane, Bromoform, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Naphthalene and 1,2,3-Trichlorobenzene.

The RPD recoveries met criteria except for Bromomethane, Iodomethane, t-1,4-Dichloro-2-butene and Naphthalene.

The Blank Spike met requirements for all samples except for Bromomethane and 2-Butanone.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Tuning criteria met requirements.

I certify that the 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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature  Name: Krupa Dubey

Date:  Title: QA/QC

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2D                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-01                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102808.D | 1         | 10/28/2005    | VF092805            |

| CAS Number     | Parameter                | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                          |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane  | 0.06  | U         | 1.0 | 0.06 | ug/L  |
| 74-87-3        | Chloromethane            | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 75-01-4        | Vinyl Chloride           | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 74-83-9        | Bromomethane             | 0.23  | U         | 1.0 | 0.23 | ug/L  |
| 75-00-3        | Chloroethane             | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 75-69-4        | Trichlorofluoromethane   | 0.09  | U         | 1.0 | 0.09 | ug/L  |
| 75-65-0        | tert-Butyl Alcohol       | 2.9   | U         | 10  | 2.9  | ug/L  |
| 60-29-7        | Diethyl Ether            | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 74-88-4        | Iodomethane              | 0.08  | U         | 1.0 | 0.08 | ug/L  |
| 107-5-1        | Allyl Chloride           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 107-13-1       | Acrylonitrile            | 0.46  | U         | 2.0 | 0.46 | ug/L  |
| 67-64-1        | Acetone                  | 1.1   | U         | 5.8 | 1.1  | ug/L  |
| 75-15-0        | Carbon disulfide         | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 79-20-9        | Methyl acrylate          | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-09-2        | Methylene Chloride       | 0.27  | U         | 1.0 | 0.27 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 78-93-3        | 2-Butanone               | 0.99  | U         | 5.0 | 0.99 | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 594-20-7       | 2,2-Dichloropropane      | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 4.8   |           | 1.0 | 0.12 | ug/L  |
| 67-66-3        | Chloroform               | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 110-57-6       | t-1,4-Dichloro-2-butene  | 0.45  | U         | 2.0 | 0.45 | ug/L  |
| 563-58-6       | 1,1-Dichloropropene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-20-3       | Isopropyl Ether          | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 107-12-0       | Propionitrile            | 1.7   | U         | 10  | 1.7  | ug/L  |
| 71-43-2        | Benzene                  | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 0.21  | U         | 1.0 | 0.21 | ug/L  |
| 79-01-6        | Trichloroethene          | 1.4   |           | 1.0 | 0.15 | ug/L  |

U = Not Detected

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## Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2D                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-01                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102808.D | 1         | 10/28/2005    | VF092805            |

| CAS Number  | Parameter                 | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|-------|-----------|-----|------|-------|
| 78-87-5     | 1,2-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126-98-7    | Methacrylonitrile         | 0.62  | U         | 1.0 | 0.62 | ug/L  |
| 109-99-9    | Tetrahydrofuran           | 0.45  | U         | 2.4 | 0.45 | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 74-95-3     | Dibromomethane            | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.90  | U         | 5.0 | 0.90 | ug/L  |
| 80-62-6     | Methyl methacrylate       | 0.32  | U         | 2.0 | 0.32 | ug/L  |
| 97-63-2     | Ethyl methacrylate        | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-88-3    | Toluene                   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.81  | U         | 5.0 | 0.81 | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126777-61-2 | m/p-Xylenes               | 0.29  | U         | 1.0 | 0.29 | ug/L  |
| 95-47-6     | o-Xylene                  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 100-42-5    | Styrene                   | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-25-2     | Bromoform                 | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-86-1    | Bromobenzene              | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.20  | U         | 1.0 | 0.20 | ug/L  |
| 103-65-1    | N-propylbenzene           | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.15  | U         | 1.0 | 0.15 | ug/L  |

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# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2D                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-01                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102808.D | 1         | 10/28/2005    | VF092805            |

| CAS Number | Parameter                   | Conc. | Qualifier | RL  | MDL  | Units |
|------------|-----------------------------|-------|-----------|-----|------|-------|
| 106-43-4   | 4-Chlorotoluene             | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 98-06-6    | tert-Butylbenzene           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 95-63-6    | 1,2,4-Trimethylbenzene      | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 135-98-8   | Sec-butylbenzene            | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 99-87-6    | p-Isopropyltoluene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 541-73-1   | 1,3-Dichlorobenzene         | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 106-46-7   | 1,4-Dichlorobenzene         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 104-51-8   | n-Butylbenzene              | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 95-50-1    | 1,2-Dichlorobenzene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 87-68-3    | Hexachlorobutadiene         | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 91-20-3    | Naphthalene                 | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |

## SURROGATES

|           |                        |      |       |          |        |
|-----------|------------------------|------|-------|----------|--------|
| 2199-69-1 | 1,2-Dichlorobenzene-d4 | 1.18 | 118 % | 80 - 120 | SPK: 1 |
| 460-00-4  | 4-Bromofluorobenzene   | 1.08 | 108 % | 80 - 120 | SPK: 1 |

## INTERNAL STANDARDS

|          |               |        |      |
|----------|---------------|--------|------|
| 462-06-6 | Fluorobenzene | 143066 | 8.98 |
|----------|---------------|--------|------|

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N = Presumptive Evidence of a Compound

# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2I                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-02                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102760.D | 1         | 10/28/2005    | VD102805            |

| CAS Number     | Parameter                      | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                                |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.70  | U         | 5.0 | 0.70 | ug/L  |
| 74-87-3        | Chloromethane                  | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-01-4        | Vinyl chloride                 | 0.62  | U         | 5.0 | 0.62 | ug/L  |
| 74-83-9        | Bromomethane                   | 1.3   | U         | 5.0 | 1.3  | ug/L  |
| 75-00-3        | Chloroethane                   | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.58  | U         | 5.0 | 0.58 | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.1   | U         | 5.0 | 2.1  | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.33  | U         | 5.0 | 0.33 | ug/L  |
| 67-64-1        | Acetone                        | 6.8   | U         | 25  | 6.8  | ug/L  |
| 75-15-0        | Carbon disulfide               | 0.36  | U         | 5.0 | 0.36 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 4.6   | J         | 5.0 | 0.23 | ug/L  |
| 79-20-9        | Methyl Acetate                 | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.98  | U         | 5.0 | 0.98 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.40  | U         | 5.0 | 0.40 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 110-82-7       | Cyclohexane                    | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.6   | U         | 25  | 1.6  | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.34  | U         | 5.0 | 0.34 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4.8   | J         | 5.0 | 0.28 | ug/L  |
| 67-66-3        | Chloroform                     | 0.18  | U         | 5.0 | 0.18 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.17  | U         | 5.0 | 0.17 | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 71-43-2        | Benzene                        | 0.35  | U         | 5.0 | 0.35 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 79-01-6        | Trichloroethene                | 0.59  | U         | 5.0 | 0.59 | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.27  | U         | 5.0 | 0.27 | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.30  | U         | 5.0 | 0.30 | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.7   | U         | 25  | 1.7  | ug/L  |
| 108-88-3       | Toluene                        | 0.38  | U         | 5.0 | 0.38 | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.29  | U         | 5.0 | 0.29 | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.26  | U         | 5.0 | 0.26 | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.36  | U         | 5.0 | 0.36 | ug/L  |

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**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-21                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-02                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102760.D | 1         | 10/28/2005    | VD102805            |

| CAS Number  | Parameter                   | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|-----------------------------|-------|-----------|-----|------|-------|
| 591-78-6    | 2-Hexanone                  | 1.3   | U         | 25  | 1.3  | ug/L  |
| 124-48-1    | Dibromochloromethane        | 0.22  | U         | 5.0 | 0.22 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane           | 0.25  | U         | 5.0 | 0.25 | ug/L  |
| 127-18-4    | Tetrachloroethene           | 4.9   | J         | 5.0 | 0.74 | ug/L  |
| 108-90-7    | Chlorobenzene               | 0.47  | U         | 5.0 | 0.47 | ug/L  |
| 100-41-4    | Ethyl Benzene               | 0.50  | U         | 5.0 | 0.50 | ug/L  |
| 126777-61-2 | m/p-Xylenes                 | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 95-47-6     | o-Xylene                    | 0.47  | U         | 5.0 | 0.47 | ug/L  |
| 100-42-5    | Styrene                     | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-25-2     | Bromoform                   | 0.22  | U         | 5.0 | 0.22 | ug/L  |
| 98-82-8     | Isopropylbenzene            | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.35  | U         | 5.0 | 0.35 | ug/L  |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.65  | U         | 5.0 | 0.65 | ug/L  |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.79  | U         | 5.0 | 0.79 | ug/L  |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.67  | U         | 5.0 | 0.67 | ug/L  |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 5.0   | U         | 5.0 | 5.0  | ug/L  |

**SURROGATES**

|            |                       |       |       |          |         |
|------------|-----------------------|-------|-------|----------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 29.82 | 99 %  | 80 - 120 | SPK: 30 |
| 2037-26-5  | Toluene-d8            | 30.3  | 101 % | 80 - 120 | SPK: 30 |
| 460-00-4   | 4-Bromofluorobenzene  | 30.37 | 101 % | 80 - 120 | SPK: 30 |

**INTERNAL STANDARDS**

|           |                     |        |      |
|-----------|---------------------|--------|------|
| 74-97-5   | Bromochloromethane  | 138380 | 3.48 |
| 540-36-3  | 1,4-Difluorobenzene | 579563 | 4.54 |
| 3114-55-4 | Chlorobenzene-d5    | 543311 | 7.60 |

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# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2S                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-03                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102809.D | 1         | 10/28/2005    | VF092805            |

| CAS Number     | Parameter                | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                          |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane  | 0.06  | U         | 1.0 | 0.06 | ug/L  |
| 74-87-3        | Chloromethane            | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 75-01-4        | Vinyl Chloride           | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 74-83-9        | Bromomethane             | 0.23  | U         | 1.0 | 0.23 | ug/L  |
| 75-00-3        | Chloroethane             | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 75-69-4        | Trichlorofluoromethane   | 0.09  | U         | 1.0 | 0.09 | ug/L  |
| 75-65-0        | tert-Butyl Alcohol       | 2.9   | U         | 10  | 2.9  | ug/L  |
| 60-29-7        | Diethyl Ether            | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 74-88-4        | Iodomethane              | 0.08  | U         | 1.0 | 0.08 | ug/L  |
| 107-5-1        | Allyl Chloride           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 107-13-1       | Acrylonitrile            | 0.46  | U         | 2.0 | 0.46 | ug/L  |
| 67-64-1        | Acetone                  | 1.1   | U         | 5.8 | 1.1  | ug/L  |
| 75-15-0        | Carbon disulfide         | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 79-20-9        | Methyl acrylate          | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-09-2        | Methylene Chloride       | 0.27  | U         | 1.0 | 0.27 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 78-93-3        | 2-Butanone               | 0.99  | U         | 5.0 | 0.99 | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 594-20-7       | 2,2-Dichloropropane      | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 67-66-3        | Chloroform               | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 110-57-6       | t-1,4-Dichloro-2-butene  | 0.45  | U         | 2.0 | 0.45 | ug/L  |
| 563-58-6       | 1,1-Dichloropropene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-20-3       | Isopropyl Ether          | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 107-12-0       | Propionitrile            | 1.7   | U         | 10  | 1.7  | ug/L  |
| 71-43-2        | Benzene                  | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 0.21  | U         | 1.0 | 0.21 | ug/L  |
| 79-01-6        | Trichloroethene          | 0.15  | U         | 1.0 | 0.15 | ug/L  |

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N = Presumptive Evidence of a Compound



**Report of Analysis**

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-2S                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-03                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 524.2 Rev4               | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 25.0 Units: mL           | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VF102809.D      | 1                | 10/28/2005           | VF092805                   |

| CAS Number  | Parameter                 | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|-------|-----------|-----|------|-------|
| 78-87-5     | 1,2-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126-98-7    | Methacrylonitrile         | 0.62  | U         | 1.0 | 0.62 | ug/L  |
| 109-99-9    | Tetrahydrofuran           | 0.45  | U         | 2.4 | 0.45 | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 74-95-3     | Dibromomethane            | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.90  | U         | 5.0 | 0.90 | ug/L  |
| 80-62-6     | Methyl methacrylate       | 0.32  | U         | 2.0 | 0.32 | ug/L  |
| 97-63-2     | Ethyl methacrylate        | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-88-3    | Toluene                   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.81  | U         | 5.0 | 0.81 | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126777-61-2 | m/p-Xylenes               | 0.29  | U         | 1.0 | 0.29 | ug/L  |
| 95-47-6     | o-Xylene                  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 100-42-5    | Styrene                   | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-25-2     | Bromoform                 | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-86-1    | Bromobenzene              | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.20  | U         | 1.0 | 0.20 | ug/L  |
| 103-65-1    | N-propylbenzene           | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-2S                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-03                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102809.D | 1         | 10/28/2005    | VF092805            |

| CAS Number | Parameter                   | Conc. | Qualifier | RL  | MDL  | Units |
|------------|-----------------------------|-------|-----------|-----|------|-------|
| 106-43-4   | 4-Chlorotoluene             | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 98-06-6    | tert-Butylbenzene           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 95-63-6    | 1,2,4-Trimethylbenzene      | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 135-98-8   | Sec-butylbenzene            | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 99-87-6    | p-Isopropyltoluene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 541-73-1   | 1,3-Dichlorobenzene         | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 106-46-7   | 1,4-Dichlorobenzene         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 104-51-8   | n-Butylbenzene              | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 95-50-1    | 1,2-Dichlorobenzene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 87-68-3    | Hexachlorobutadiene         | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 91-20-3    | Naphthalene                 | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |

**SURROGATES**

|           |                        |      |       |          |        |
|-----------|------------------------|------|-------|----------|--------|
| 2199-69-1 | 1,2-Dichlorobenzene-d4 | 1.14 | 114 % | 80 - 120 | SPK: 1 |
| 460-00-4  | 4-Bromofluorobenzene   | 1.04 | 104 % | 80 - 120 | SPK: 1 |

**INTERNAL STANDARDS**

|          |               |        |      |
|----------|---------------|--------|------|
| 462-06-6 | Fluorobenzene | 155967 | 8.97 |
|----------|---------------|--------|------|

U = Not Detected  
RL = Reporting Limit  
MDL = Method Detection Limit  
E = Value Exceeds Calibration Range

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
N = Presumptive Evidence of a Compound

# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-3I                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-04                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Vol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF103107.D | 1         | 10/31/2005    | VF092805            |

| CAS Number     | Parameter                | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                          |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane  | 0.06  | U         | 1.0 | 0.06 | ug/L  |
| 74-87-3        | Chloromethane            | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 75-01-4        | Vinyl Chloride           | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 74-83-9        | Bromomethane             | 0.23  | U         | 1.0 | 0.23 | ug/L  |
| 75-00-3        | Chloroethane             | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 75-69-4        | Trichlorofluoromethane   | 0.09  | U         | 1.0 | 0.09 | ug/L  |
| 75-65-0        | tert-Butyl Alcohol       | 2.9   | U         | 10  | 2.9  | ug/L  |
| 60-29-7        | Diethyl Ether            | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 74-88-4        | Iodomethane              | 0.08  | U         | 1.0 | 0.08 | ug/L  |
| 107-5-1        | Allyl Chloride           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 107-13-1       | Acrylonitrile            | 0.46  | U         | 2.0 | 0.46 | ug/L  |
| 67-64-1        | Acetone                  | 1.1   | U         | 5.8 | 1.1  | ug/L  |
| 75-15-0        | Carbon disulfide         | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 79-20-9        | Methyl acrylate          | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-09-2        | Methylene Chloride       | 0.27  | U         | 1.0 | 0.27 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 78-93-3        | 2-Butanone               | 0.99  | U         | 5.0 | 0.99 | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 594-20-7       | 2,2-Dichloropropane      | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 67-66-3        | Chloroform               | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 110-57-6       | t-1,4-Dichloro-2-butene  | 0.45  | U         | 2.0 | 0.45 | ug/L  |
| 563-58-6       | 1,1-Dichloropropene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-20-3       | Isopropyl Ether          | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 107-12-0       | Propionitrile            | 1.7   | U         | 10  | 1.7  | ug/L  |
| 71-43-2        | Benzene                  | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 0.21  | U         | 1.0 | 0.21 | ug/L  |
| 79-01-6        | Trichloroethene          | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-3I                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-04                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 524.2 Rev4               | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 25.0 Units: mL           | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VF103107.D      | 1                | 10/31/2005           | VF092805                   |

| CAS Number  | Parameter                 | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|-------|-----------|-----|------|-------|
| 78-87-5     | 1,2-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126-98-7    | Methacrylonitrile         | 0.62  | U         | 1.0 | 0.62 | ug/L  |
| 109-99-9    | Tetrahydrofuran           | 0.45  | U         | 2.4 | 0.45 | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 74-95-3     | Dibromomethane            | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.90  | U         | 5.0 | 0.90 | ug/L  |
| 80-62-6     | Methyl methacrylate       | 0.32  | U         | 2.0 | 0.32 | ug/L  |
| 97-63-2     | Ethyl methacrylate        | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-88-3    | Toluene                   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.81  | U         | 5.0 | 0.81 | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.4   | J         | 1.0 | 0.16 | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126777-61-2 | m/p-Xylenes               | 0.29  | U         | 1.0 | 0.29 | ug/L  |
| 95-47-6     | o-Xylene                  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 100-42-5    | Styrene                   | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-25-2     | Bromoform                 | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-86-1    | Bromobenzene              | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.20  | U         | 1.0 | 0.20 | ug/L  |
| 103-65-1    | N-propylbenzene           | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-31                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-04                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 524.2 Rev4               | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 25.0 Units: mL           | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VF103107.D      | 1                | 10/31/2005           | VF092805                   |

| CAS Number                | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units  |
|---------------------------|-----------------------------|--------|-----------|----------|------|--------|
| 106-43-4                  | 4-Chlorotoluene             | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 135-98-8                  | Sec-butylbenzene            | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.17   | U         | 1.0      | 0.17 | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 0.12   | U         | 1.0      | 0.12 | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.19   | U         | 1.0      | 0.19 | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.11   | U         | 1.0      | 0.11 | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 0.13   | U         | 1.0      | 0.13 | ug/L   |
| 91-20-3                   | Naphthalene                 | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| <b>SURROGATES</b>         |                             |        |           |          |      |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.15   | 115 %     | 80 - 120 |      | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.07   | 107 %     | 80 - 120 |      | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |        |
| 462-06-6                  | Fluorobenzene               | 172307 | 8.98      |          |      |        |

U = Not Detected  
RL = Reporting Limit  
MDL = Method Detection Limit  
E = Value Exceeds Calibration Range

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-4S                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-05                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102811.D | 1         | 10/28/2005    | VF092805            |

| CAS Number     | Parameter                | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                          |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane  | 0.06  | U         | 1.0 | 0.06 | ug/L  |
| 74-87-3        | Chloromethane            | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 75-01-4        | Vinyl Chloride           | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 74-83-9        | Bromomethane             | 0.23  | U         | 1.0 | 0.23 | ug/L  |
| 75-00-3        | Chloroethane             | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 75-69-4        | Trichlorofluoromethane   | 0.09  | U         | 1.0 | 0.09 | ug/L  |
| 75-65-0        | tert-Butyl Alcohol       | 2.9   | U         | 10  | 2.9  | ug/L  |
| 60-29-7        | Diethyl Ether            | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 74-88-4        | Iodomethane              | 0.08  | U         | 1.0 | 0.08 | ug/L  |
| 107-5-1        | Allyl Chloride           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 107-13-1       | Acrylonitrile            | 0.46  | U         | 2.0 | 0.46 | ug/L  |
| 67-64-1        | Acetone                  | 1.1   | U         | 5.8 | 1.1  | ug/L  |
| 75-15-0        | Carbon disulfide         | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 79-20-9        | Methyl acrylate          | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-09-2        | Methylene Chloride       | 0.27  | U         | 1.0 | 0.27 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 78-93-3        | 2-Butanone               | 0.99  | U         | 5.0 | 0.99 | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 594-20-7       | 2,2-Dichloropropane      | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 67-66-3        | Chloroform               | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 110-57-6       | t-1,4-Dichloro-2-butene  | 0.45  | U         | 2.0 | 0.45 | ug/L  |
| 563-58-6       | 1,1-Dichloropropene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-20-3       | Isopropyl Ether          | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 107-12-0       | Propionitrile            | 1.7   | U         | 10  | 1.7  | ug/L  |
| 71-43-2        | Benzene                  | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 0.21  | U         | 1.0 | 0.21 | ug/L  |
| 79-01-6        | Trichloroethene          | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                           |                                     |                          |                   |
|---------------------------|-------------------------------------|--------------------------|-------------------|
| <b>Client:</b>            | <b>Earth Tech, Inc.</b>             | <b>Date Collected:</b>   | <b>10/24/2005</b> |
| <b>Project:</b>           | <b>NYSDEC O&amp;M D003821-37/38</b> | <b>Date Received:</b>    | <b>10/26/2005</b> |
| <b>Client Sample ID:</b>  | <b>MW-4S</b>                        | <b>SDG No.:</b>          | <b>T5416</b>      |
| <b>Lab Sample ID:</b>     | <b>T5416-05</b>                     | <b>Matrix:</b>           | <b>WATER</b>      |
| <b>Analytical Method:</b> | <b>524.2 Rev 4</b>                  | <b>% Moisture:</b>       | <b>100</b>        |
| <b>Sample Wt/Wol:</b>     | <b>25.0 Units: mL</b>               | <b>Soil Extract Vol:</b> | <b>uL</b>         |
| <b>Soil Aliquot Vol:</b>  | <b>uL</b>                           |                          |                   |

|                   |                  |                      |                            |
|-------------------|------------------|----------------------|----------------------------|
| <b>File ID:</b>   | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| <b>VF102811.D</b> | <b>1</b>         | <b>10/28/2005</b>    | <b>VF092805</b>            |

| CAS Number  | Parameter                 | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|-------|-----------|-----|------|-------|
| 78-87-5     | 1,2-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126-98-7    | Methacrylonitrile         | 0.62  | U         | 1.0 | 0.62 | ug/L  |
| 109-99-9    | Tetrahydrofuran           | 0.45  | U         | 2.4 | 0.45 | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 74-95-3     | Dibromomethane            | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.90  | U         | 5.0 | 0.90 | ug/L  |
| 80-62-6     | Methyl methacrylate       | 0.32  | U         | 2.0 | 0.32 | ug/L  |
| 97-63-2     | Ethyl methacrylate        | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-88-3    | Toluene                   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.81  | U         | 5.0 | 0.81 | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126777-61-2 | m/p-Xylenes               | 0.29  | U         | 1.0 | 0.29 | ug/L  |
| 95-47-6     | o-Xylene                  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 100-42-5    | Styrene                   | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-25-2     | Bromoform                 | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-86-1    | Bromobenzene              | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.20  | U         | 1.0 | 0.20 | ug/L  |
| 103-65-1    | N-propylbenzene           | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-4S                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-05                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 524.2 Rev4               | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 25.0 Units: mL           | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VF102811.D      | 1                | 10/28/2005           | VF092805                   |

| CAS Number                | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units  |
|---------------------------|-----------------------------|--------|-----------|----------|------|--------|
| 106-43-4                  | 4-Chlorotoluene             | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 98-06-6                   | tert-Butylbenzene           | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 135-98-8                  | Sec-butylbenzene            | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 99-87-6                   | p-Isopropyltoluene          | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.17   | U         | 1.0      | 0.17 | ug/L   |
| 104-51-8                  | n-Butylbenzene              | 0.12   | U         | 1.0      | 0.12 | ug/L   |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.19   | U         | 1.0      | 0.19 | ug/L   |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.11   | U         | 1.0      | 0.11 | ug/L   |
| 87-68-3                   | Hexachlorobutadiene         | 0.13   | U         | 1.0      | 0.13 | ug/L   |
| 91-20-3                   | Naphthalene                 | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| <b>SURROGATES</b>         |                             |        |           |          |      |        |
| 2199-69-1                 | 1,2-Dichlorobenzene-d4      | 1.19   | 119 %     | 80 - 120 |      | SPK: 1 |
| 460-00-4                  | 4-Bromofluorobenzene        | 1.03   | 103 %     | 80 - 120 |      | SPK: 1 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |        |
| 462-06-6                  | Fluorobenzene               | 145731 | 8.97      |          |      |        |

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B = Analyte Found in Associated Method Blank  
N = Presumptive Evidence of a Compound



**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-61                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-06                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102761.D | 1         | 10/28/2005    | VD102805            |

| CAS Number     | Parameter                      | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                                |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.70  | U         | 5.0 | 0.70 | ug/L  |
| 74-87-3        | Chloromethane                  | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-01-4        | Vinyl chloride                 | 0.62  | U         | 5.0 | 0.62 | ug/L  |
| 74-83-9        | Bromomethane                   | 1.3   | U         | 5.0 | 1.3  | ug/L  |
| 75-00-3        | Chloroethane                   | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.58  | U         | 5.0 | 0.58 | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.1   | U         | 5.0 | 2.1  | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.33  | U         | 5.0 | 0.33 | ug/L  |
| 67-64-1        | Acetone                        | 6.8   | U         | 25  | 6.8  | ug/L  |
| 75-15-0        | Carbon disulfide               | 0.36  | U         | 5.0 | 0.36 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.23  | U         | 5.0 | 0.23 | ug/L  |
| 79-20-9        | Methyl Acetate                 | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.98  | U         | 5.0 | 0.98 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.40  | U         | 5.0 | 0.40 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 110-82-7       | Cyclohexane                    | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.6   | U         | 25  | 1.6  | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.34  | U         | 5.0 | 0.34 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 4.2   | J         | 5.0 | 0.28 | ug/L  |
| 67-66-3        | Chloroform                     | 0.18  | U         | 5.0 | 0.18 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.17  | U         | 5.0 | 0.17 | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 71-43-2        | Benzene                        | 0.35  | U         | 5.0 | 0.35 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 79-01-6        | Trichloroethene                | 0.59  | U         | 5.0 | 0.59 | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.27  | U         | 5.0 | 0.27 | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.30  | U         | 5.0 | 0.30 | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.7   | U         | 25  | 1.7  | ug/L  |
| 108-88-3       | Toluene                        | 0.38  | U         | 5.0 | 0.38 | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.29  | U         | 5.0 | 0.29 | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.26  | U         | 5.0 | 0.26 | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.36  | U         | 5.0 | 0.36 | ug/L  |

U = Not Detected

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

# Report of Analysis

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-61                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-06                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 624                      | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 5.0 Units: mL            | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VD102761.D      | 1                | 10/28/2005           | VD102805                   |

| CAS Number                | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|---------|
| 591-78-6                  | 2-Hexanone                  | 1.3    | U         | 25       | 1.3  | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.25   | U         | 5.0      | 0.25 | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 6.1    |           | 5.0      | 0.74 | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 5.0      | 0.50 | ug/L    |
| 126777-61-2               | m/p-Xylenes                 | 1.1    | U         | 5.0      | 1.1  | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-42-5                  | Styrene                     | 0.45   | U         | 5.0      | 0.45 | ug/L    |
| 75-25-2                   | Bromoform                   | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.35   | U         | 5.0      | 0.35 | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.65   | U         | 5.0      | 0.65 | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.79   | U         | 5.0      | 0.79 | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.67   | U         | 5.0      | 0.67 | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 29.46  | 98 %      | 80 - 120 |      | SPK: 30 |
| 2037-26-5                 | Toluene-d8                  | 28.3   | 94 %      | 80 - 120 |      | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene        | 30.2   | 101 %     | 80 - 120 |      | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |         |
| 74-97-5                   | Bromochloromethane          | 141394 | 3.48      |          |      |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 608120 | 4.54      |          |      |         |
| 3114-55-4                 | Chlorobenzene-d5            | 568732 | 7.60      |          |      |         |

U = Not Detected  
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E = Value Exceeds Calibration Range

J = Estimated Value  
B = Analyte Found in Associated Method Blank  
N = Presumptive Evidence of a Compound

# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | MW-6S                    | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-07                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102762.D | 1         | 10/28/2005    | VD102805            |

| CAS Number     | Parameter                      | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                                |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.70  | U         | 5.0 | 0.70 | ug/L  |
| 74-87-3        | Chloromethane                  | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-01-4        | Vinyl chloride                 | 0.62  | U         | 5.0 | 0.62 | ug/L  |
| 74-83-9        | Bromomethane                   | 1.3   | U         | 5.0 | 1.3  | ug/L  |
| 75-00-3        | Chloroethane                   | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.58  | U         | 5.0 | 0.58 | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.1   | U         | 5.0 | 2.1  | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.33  | U         | 5.0 | 0.33 | ug/L  |
| 67-64-1        | Acetone                        | 6.8   | U         | 25  | 6.8  | ug/L  |
| 75-15-0        | Carbon disulfide               | 0.36  | U         | 5.0 | 0.36 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.23  | U         | 5.0 | 0.23 | ug/L  |
| 79-20-9        | Methyl Acetate                 | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.98  | U         | 5.0 | 0.98 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.40  | U         | 5.0 | 0.40 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 110-82-7       | Cyclohexane                    | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.6   | U         | 25  | 1.6  | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.34  | U         | 5.0 | 0.34 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.2   | J         | 5.0 | 0.28 | ug/L  |
| 67-66-3        | Chloroform                     | 0.18  | U         | 5.0 | 0.18 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.17  | U         | 5.0 | 0.17 | ug/L  |
| 103-87-2       | Methylcyclohexane              | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 71-43-2        | Benzene                        | 0.35  | U         | 5.0 | 0.35 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 79-01-6        | Trichloroethene                | 0.59  | U         | 5.0 | 0.59 | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.27  | U         | 5.0 | 0.27 | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.30  | U         | 5.0 | 0.30 | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.7   | U         | 25  | 1.7  | ug/L  |
| 108-88-3       | Toluene                        | 0.38  | U         | 5.0 | 0.38 | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.29  | U         | 5.0 | 0.29 | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.26  | U         | 5.0 | 0.26 | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.36  | U         | 5.0 | 0.36 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | MW-6S                    | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-07                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 624                      | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 5.0 Units: mL            | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VD102762.D      | 1                | 10/28/2005           | VD102805                   |

| CAS Number                | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|---------|
| 591-78-6                  | 2-Hexanone                  | 1.3    | U         | 25       | 1.3  | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.25   | U         | 5.0      | 0.25 | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 5.1    |           | 5.0      | 0.74 | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 5.0      | 0.50 | ug/L    |
| 126777-61-2               | m/p-Xylenes                 | 1.1    | U         | 5.0      | 1.1  | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-42-5                  | Styrene                     | 0.45   | U         | 5.0      | 0.45 | ug/L    |
| 75-25-2                   | Bromoform                   | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.35   | U         | 5.0      | 0.35 | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.65   | U         | 5.0      | 0.65 | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.79   | U         | 5.0      | 0.79 | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.67   | U         | 5.0      | 0.67 | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 29.94  | 100 %     | 80 - 120 |      | SPK: 30 |
| 2037-26-5                 | Toluene-d8                  | 28.35  | 95 %      | 80 - 120 |      | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene        | 28.39  | 95 %      | 80 - 120 |      | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |         |
| 74-97-5                   | Bromochloromethane          | 137542 | 3.49      |          |      |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 612593 | 4.54      |          |      |         |
| 3114-55-4                 | Chlorobenzene-d5            | 545781 | 7.60      |          |      |         |

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound

# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | GS-5                     | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-08                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102763.D | 1         | 10/28/2005    | VD102805            |

| CAS Number     | Parameter                      | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                                |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.70  | U         | 5.0 | 0.70 | ug/L  |
| 74-87-3        | Chloromethane                  | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-01-4        | Vinyl chloride                 | 0.62  | U         | 5.0 | 0.62 | ug/L  |
| 74-83-9        | Bromomethane                   | 1.3   | U         | 5.0 | 1.3  | ug/L  |
| 75-00-3        | Chloroethane                   | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.58  | U         | 5.0 | 0.58 | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.1   | U         | 5.0 | 2.1  | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.33  | U         | 5.0 | 0.33 | ug/L  |
| 67-64-1        | Acetone                        | 6.8   | U         | 25  | 6.8  | ug/L  |
| 75-15-0        | Carbon disulfide               | 0.36  | U         | 5.0 | 0.36 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 27    |           | 5.0 | 0.23 | ug/L  |
| 79-20-9        | Methyl Acetate                 | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.98  | U         | 5.0 | 0.98 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.2   | J         | 5.0 | 0.40 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 110-82-7       | Cyclohexane                    | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.6   | U         | 25  | 1.6  | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.34  | U         | 5.0 | 0.34 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.6   | J         | 5.0 | 0.28 | ug/L  |
| 67-66-3        | Chloroform                     | 0.18  | U         | 5.0 | 0.18 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.17  | U         | 5.0 | 0.17 | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 71-43-2        | Benzene                        | 34    |           | 5.0 | 0.35 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 79-01-6        | Trichloroethene                | 0.59  | U         | 5.0 | 0.59 | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.27  | U         | 5.0 | 0.27 | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.30  | U         | 5.0 | 0.30 | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.7   | U         | 25  | 1.7  | ug/L  |
| 108-88-3       | Toluene                        | 0.38  | U         | 5.0 | 0.38 | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.29  | U         | 5.0 | 0.29 | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.26  | U         | 5.0 | 0.26 | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.36  | U         | 5.0 | 0.36 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

# Report of Analysis

|                           |                          |                          |            |
|---------------------------|--------------------------|--------------------------|------------|
| <b>Client:</b>            | Earth Tech, Inc.         | <b>Date Collected:</b>   | 10/24/2005 |
| <b>Project:</b>           | NYSDEC O&M D003821-37/38 | <b>Date Received:</b>    | 10/26/2005 |
| <b>Client Sample ID:</b>  | GS-5                     | <b>SDG No.:</b>          | T5416      |
| <b>Lab Sample ID:</b>     | T5416-08                 | <b>Matrix:</b>           | WATER      |
| <b>Analytical Method:</b> | 624                      | <b>% Moisture:</b>       | 100        |
| <b>Sample Wt/Wol:</b>     | 5.0 Units: mL            | <b>Soil Extract Vol:</b> | uL         |
| <b>Soil Aliquot Vol:</b>  | uL                       |                          |            |

|                 |                  |                      |                            |
|-----------------|------------------|----------------------|----------------------------|
| <b>File ID:</b> | <b>Dilution:</b> | <b>Date Analyzed</b> | <b>Analytical Batch ID</b> |
| VD102763.D      | 1                | 10/28/2005           | VD102805                   |

| CAS Number                | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|---------|
| 591-78-6                  | 2-Hexanone                  | 1.3    | U         | 25       | 1.3  | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.25   | U         | 5.0      | 0.25 | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.74   | U         | 5.0      | 0.74 | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 11     |           | 5.0      | 0.50 | ug/L    |
| 126777-61-2               | m/p-Xylenes                 | 1.1    | U         | 5.0      | 1.1  | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.47   | U         | 5.0      | 0.47 | ug/L    |
| 100-42-5                  | Styrene                     | 0.45   | U         | 5.0      | 0.45 | ug/L    |
| 75-25-2                   | Bromoform                   | 0.22   | U         | 5.0      | 0.22 | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.35   | U         | 5.0      | 0.35 | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.65   | U         | 5.0      | 0.65 | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.79   | U         | 5.0      | 0.79 | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.67   | U         | 5.0      | 0.67 | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.0    | U         | 5.0      | 5.0  | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 30.04  | 100 %     | 80 - 120 |      | SPK: 30 |
| 2037-26-5                 | Toluene-d8                  | 28.9   | 96 %      | 80 - 120 |      | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene        | 29.8   | 99 %      | 80 - 120 |      | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |         |
| 74-97-5                   | Bromochloromethane          | 136849 | 3.49      |          |      |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 594808 | 4.54      |          |      |         |
| 3114-55-4                 | Chlorobenzene-d5            | 546693 | 7.59      |          |      |         |

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | GS-6                     | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-09                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102764.D | 1         | 10/28/2005    | VD102805            |

| CAS Number     | Parameter                      | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                                |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.70  | U         | 5.0 | 0.70 | ug/L  |
| 74-87-3        | Chloromethane                  | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-01-4        | Vinyl chloride                 | 0.62  | U         | 5.0 | 0.62 | ug/L  |
| 74-83-9        | Bromomethane                   | 1.3   | U         | 5.0 | 1.3  | ug/L  |
| 75-00-3        | Chloroethane                   | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.58  | U         | 5.0 | 0.58 | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.1   | U         | 5.0 | 2.1  | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.33  | U         | 5.0 | 0.33 | ug/L  |
| 67-64-1        | Acetone                        | 6.8   | U         | 25  | 6.8  | ug/L  |
| 75-15-0        | Carbon disulfide               | 0.36  | U         | 5.0 | 0.36 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 13    |           | 5.0 | 0.23 | ug/L  |
| 79-20-9        | Methyl Acetate                 | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.98  | U         | 5.0 | 0.98 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.40  | U         | 5.0 | 0.40 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 110-82-7       | Cyclohexane                    | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.6   | U         | 25  | 1.6  | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.34  | U         | 5.0 | 0.34 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.5   | J         | 5.0 | 0.28 | ug/L  |
| 67-66-3        | Chloroform                     | 0.18  | U         | 5.0 | 0.18 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.17  | U         | 5.0 | 0.17 | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 71-43-2        | Benzene                        | 2.2   | J         | 5.0 | 0.35 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.28  | U         | 5.0 | 0.28 | ug/L  |
| 79-01-6        | Trichloroethene                | 0.59  | U         | 5.0 | 0.59 | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.27  | U         | 5.0 | 0.27 | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.30  | U         | 5.0 | 0.30 | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 1.7   | U         | 25  | 1.7  | ug/L  |
| 108-88-3       | Toluene                        | 0.38  | U         | 5.0 | 0.38 | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.29  | U         | 5.0 | 0.29 | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.26  | U         | 5.0 | 0.26 | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.36  | U         | 5.0 | 0.36 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | GS-6                     | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-09                 | Matrix:           | WATER      |
| Analytical Method: | 624                      | % Moisture:       | 100        |
| Sample Wt/Wol:     | 5.0 Units: mL            | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VD102764.D | 1         | 10/28/2005    | VD102805            |

| CAS Number  | Parameter                   | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|-----------------------------|-------|-----------|-----|------|-------|
| 591-78-6    | 2-Hexanone                  | 1.3   | U         | 25  | 1.3  | ug/L  |
| 124-48-1    | Dibromochloromethane        | 0.22  | U         | 5.0 | 0.22 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane           | 0.25  | U         | 5.0 | 0.25 | ug/L  |
| 127-18-4    | Tetrachloroethene           | 3.2   | J         | 5.0 | 0.74 | ug/L  |
| 108-90-7    | Chlorobenzene               | 0.47  | U         | 5.0 | 0.47 | ug/L  |
| 100-41-4    | Ethyl Benzene               | 0.50  | U         | 5.0 | 0.50 | ug/L  |
| 126777-61-2 | m/p-Xylenes                 | 1.1   | U         | 5.0 | 1.1  | ug/L  |
| 95-47-6     | o-Xylene                    | 0.47  | U         | 5.0 | 0.47 | ug/L  |
| 100-42-5    | Styrene                     | 0.45  | U         | 5.0 | 0.45 | ug/L  |
| 75-25-2     | Bromoform                   | 0.22  | U         | 5.0 | 0.22 | ug/L  |
| 98-82-8     | Isopropylbenzene            | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.35  | U         | 5.0 | 0.35 | ug/L  |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.65  | U         | 5.0 | 0.65 | ug/L  |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.79  | U         | 5.0 | 0.79 | ug/L  |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.67  | U         | 5.0 | 0.67 | ug/L  |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 5.0   | U         | 5.0 | 5.0  | ug/L  |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 5.0   | U         | 5.0 | 5.0  | ug/L  |

**SURROGATES**

|            |                       |       |       |          |         |
|------------|-----------------------|-------|-------|----------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 30.09 | 100 % | 80 - 120 | SPK: 30 |
| 2037-26-5  | Toluene-d8            | 27.63 | 92 %  | 80 - 120 | SPK: 30 |
| 460-00-4   | 4-Bromofluorobenzene  | 29.55 | 98 %  | 80 - 120 | SPK: 30 |

**INTERNAL STANDARDS**

|           |                     |        |      |
|-----------|---------------------|--------|------|
| 74-97-5   | Bromochloromethane  | 133242 | 3.48 |
| 540-36-3  | 1,4-Difluorobenzene | 599802 | 4.53 |
| 3114-55-4 | Chlorobenzene-d5    | 551328 | 7.60 |

U = Not Detected  
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 E = Value Exceeds Calibration Range

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound



# Report of Analysis

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | TRIPBLANKS               | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-10                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102807.D | 1         | 10/28/2005    | VF092805            |

| CAS Number     | Parameter                | Conc. | Qualifier | RL  | MDL  | Units |
|----------------|--------------------------|-------|-----------|-----|------|-------|
| <b>TARGETS</b> |                          |       |           |     |      |       |
| 75-71-8        | Dichlorodifluoromethane  | 0.06  | U         | 1.0 | 0.06 | ug/L  |
| 74-87-3        | Chloromethane            | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 75-01-4        | Vinyl Chloride           | 0.07  | U         | 1.0 | 0.07 | ug/L  |
| 74-83-9        | Bromomethane             | 0.23  | U         | 1.0 | 0.23 | ug/L  |
| 75-00-3        | Chloroethane             | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 75-69-4        | Trichlorofluoromethane   | 0.09  | U         | 1.0 | 0.09 | ug/L  |
| 75-65-0        | tert-Butyl Alcohol       | 2.9   | U         | 10  | 2.9  | ug/L  |
| 60-29-7        | Diethyl Ether            | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 74-88-4        | Iodomethane              | 0.08  | U         | 1.0 | 0.08 | ug/L  |
| 107-5-1        | Allyl Chloride           | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 107-13-1       | Acrylonitrile            | 0.46  | U         | 2.0 | 0.46 | ug/L  |
| 67-64-1        | Acetone                  | 1.1   | U         | 5.8 | 1.1  | ug/L  |
| 75-15-0        | Carbon disulfide         | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 79-20-9        | Methyl acrylate          | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 75-09-2        | Methylene Chloride       | 0.5   | J         | 1.0 | 0.27 | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 78-93-3        | 2-Butanone               | 0.99  | U         | 5.0 | 0.99 | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 594-20-7       | 2,2-Dichloropropane      | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.12  | U         | 1.0 | 0.12 | ug/L  |
| 67-66-3        | Chloroform               | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 110-57-6       | t-1,4-Dichloro-2-butene  | 0.45  | U         | 2.0 | 0.45 | ug/L  |
| 563-58-6       | 1,1-Dichloropropene      | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-20-3       | Isopropyl Ether          | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 107-12-0       | Propionitrile            | 1.7   | U         | 10  | 1.7  | ug/L  |
| 71-43-2        | Benzene                  | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 0.21  | U         | 1.0 | 0.21 | ug/L  |
| 79-01-6        | Trichloroethene          | 0.15  | U         | 1.0 | 0.15 | ug/L  |

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | TRIPBLANKS               | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-10                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102807.D | 1         | 10/28/2005    | VF092805            |

| CAS Number  | Parameter                 | Conc. | Qualifier | RL  | MDL  | Units |
|-------------|---------------------------|-------|-----------|-----|------|-------|
| 78-87-5     | 1,2-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126-98-7    | Methacrylonitrile         | 0.62  | U         | 1.0 | 0.62 | ug/L  |
| 109-99-9    | Tetrahydrofuran           | 0.45  | U         | 2.4 | 0.45 | ug/L  |
| 109-69-3    | 1-Chlorobutane            | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 74-95-3     | Dibromomethane            | 0.19  | U         | 1.0 | 0.19 | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.90  | U         | 5.0 | 0.90 | ug/L  |
| 80-62-6     | Methyl methacrylate       | 0.32  | U         | 2.0 | 0.32 | ug/L  |
| 97-63-2     | Ethyl methacrylate        | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-88-3    | Toluene                   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.81  | U         | 5.0 | 0.81 | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.16  | U         | 1.0 | 0.16 | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.13  | U         | 1.0 | 0.13 | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 126777-61-2 | m/p-Xylenes               | 0.29  | U         | 1.0 | 0.29 | ug/L  |
| 95-47-6     | o-Xylene                  | 0.15  | U         | 1.0 | 0.15 | ug/L  |
| 100-42-5    | Styrene                   | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 75-25-2     | Bromoform                 | 0.17  | U         | 1.0 | 0.17 | ug/L  |
| 108-86-1    | Bromobenzene              | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.18  | U         | 1.0 | 0.18 | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.20  | U         | 1.0 | 0.20 | ug/L  |
| 103-65-1    | N-propylbenzene           | 0.14  | U         | 1.0 | 0.14 | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.11  | U         | 1.0 | 0.11 | ug/L  |
| 108-67-8    | 1,3,5-Trimethylbenzene    | 0.15  | U         | 1.0 | 0.15 | ug/L  |

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E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

**Report of Analysis**

|                    |                          |                   |            |
|--------------------|--------------------------|-------------------|------------|
| Client:            | Earth Tech, Inc.         | Date Collected:   | 10/24/2005 |
| Project:           | NYSDEC O&M D003821-37/38 | Date Received:    | 10/26/2005 |
| Client Sample ID:  | TRIPBLANKS               | SDG No.:          | T5416      |
| Lab Sample ID:     | T5416-10                 | Matrix:           | WATER      |
| Analytical Method: | 524.2 Rev4               | % Moisture:       | 100        |
| Sample Wt/Wol:     | 25.0 Units: mL           | Soil Extract Vol: | uL         |
| Soil Aliquot Vol:  | uL                       |                   |            |

|            |           |               |                     |
|------------|-----------|---------------|---------------------|
| File ID:   | Dilution: | Date Analyzed | Analytical Batch ID |
| VF102807.D | 1         | 10/28/2005    | VF092805            |

| CAS Number                            | Parameter                   | Conc.  | Qualifier | RL       | MDL  | Units  |
|---------------------------------------|-----------------------------|--------|-----------|----------|------|--------|
| 106-43-4                              | 4-Chlorotoluene             | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 98-06-6                               | tert-Butylbenzene           | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 95-63-6                               | 1,2,4-Trimethylbenzene      | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 135-98-8                              | Sec-butylbenzene            | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 99-87-6                               | p-Isopropyltoluene          | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 541-73-1                              | 1,3-Dichlorobenzene         | 0.15   | U         | 1.0      | 0.15 | ug/L   |
| 106-46-7                              | 1,4-Dichlorobenzene         | 0.17   | U         | 1.0      | 0.17 | ug/L   |
| 104-51-8                              | n-Butylbenzene              | 0.12   | U         | 1.0      | 0.12 | ug/L   |
| 95-50-1                               | 1,2-Dichlorobenzene         | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| 96-12-8                               | 1,2-Dibromo-3-Chloropropane | 0.19   | U         | 1.0      | 0.19 | ug/L   |
| 120-82-1                              | 1,2,4-Trichlorobenzene      | 0.11   | U         | 1.0      | 0.11 | ug/L   |
| 87-68-3                               | Hexachlorobutadiene         | 0.13   | U         | 1.0      | 0.13 | ug/L   |
| 91-20-3                               | Naphthalene                 | 0.14   | U         | 1.0      | 0.14 | ug/L   |
| 87-61-6                               | 1,2,3-Trichlorobenzene      | 0.16   | U         | 1.0      | 0.16 | ug/L   |
| <b>SURROGATES</b>                     |                             |        |           |          |      |        |
| 2199-69-1                             | 1,2-Dichlorobenzene-d4      | 1.1    | 110 %     | 80 - 120 |      | SPK: 1 |
| 460-00-4                              | 4-Bromofluorobenzene        | 1.06   | 106 %     | 80 - 120 |      | SPK: 1 |
| <b>INTERNAL STANDARDS</b>             |                             |        |           |          |      |        |
| 462-06-6                              | Fluorobenzene               | 157439 | 8.98      |          |      |        |
| <b>TENTITIVE IDENTIFIED COMPOUNDS</b> |                             |        |           |          |      |        |
| 91-20-3                               | Naphthalene                 | 0.2    | J         | 25.85    |      | ug/L   |

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N = Presumptive Evidence of a Compound

Summary Sheet  
SW-846

SDG No.: T5416

Order ID: T5416

Client: Earth Tech, Inc.

Project ID: EART04

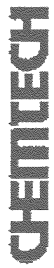
| Sample ID  | Client ID  | Matrix | Parameter              | Concentration | C | RDL | MDL  | Units |
|------------|------------|--------|------------------------|---------------|---|-----|------|-------|
| Client ID: | MW-2D      |        |                        |               |   |     |      |       |
| T5416-01   | MW-2D      | WATER  | cis-1,2-Dichloroethene | 4.8           |   | 1.0 | 0.12 | ug/L  |
| T5416-01   | MW-2D      | WATER  | Trichloroethene        | 1.4           |   | 1.0 | 0.15 | ug/L  |
|            |            |        | Total VOC's:           | 6.20          |   |     |      |       |
|            |            |        | Total TIC's:           | 0.00          |   |     |      |       |
|            |            |        | Total VOC's and TIC's: | 6.20          |   |     |      |       |
| Client ID: | MW-3I      |        |                        |               |   |     |      |       |
| T5416-04   | MW-3I      | WATER  | Tetrachloroethene      | 0.4           | J | 1.0 | 0.16 | ug/L  |
|            |            |        | Total VOC's:           | 0.40          |   |     |      |       |
|            |            |        | Total TIC's:           | 0.00          |   |     |      |       |
|            |            |        | Total VOC's and TIC's: | 0.40          |   |     |      |       |
| Client ID: | TRIPBLANKS |        |                        |               |   |     |      |       |
| T5416-10   | TRIPBLANKS | WATER  | Methylene Chloride     | 0.5           | J | 1.0 | 0.27 | ug/L  |
| T5416-10   | TRIPBLANKS | WATER  | Naphthalene            | * 0.2         | J | 1.0 | 0.14 | ug/L  |
|            |            |        | Total VOC's:           | 0.50          |   |     |      |       |
|            |            |        | Total TIC's:           | 0.20          |   |     |      |       |
|            |            |        | Total VOC's and TIC's: | 0.70          |   |     |      |       |

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.

Summary Sheet  
SW-846SDG No.: T5416  
Client: Earth Tech, Inc.Order ID: T5416  
Project ID: EART04

| Sample ID              | Client ID    | Matrix | Parameter                | Concentration | C | RDL | MDL  | Units |
|------------------------|--------------|--------|--------------------------|---------------|---|-----|------|-------|
| <b>Client ID:</b>      | <b>GS-5</b>  |        |                          |               |   |     |      |       |
| T5416-08               | GS-5         | WATER  | Methyl tert-butyl Ether  | 27            |   | 5.0 | 0.23 | ug/L  |
| T5416-08               | GS-5         | WATER  | trans-1,2-Dichloroethene | 1.2           | J | 5.0 | 0.40 | ug/L  |
| T5416-08               | GS-5         | WATER  | cis-1,2-Dichloroethene   | 3.6           | J | 5.0 | 0.28 | ug/L  |
| T5416-08               | GS-5         | WATER  | Benzene                  | 34            |   | 5.0 | 0.35 | ug/L  |
| T5416-08               | GS-5         | WATER  | Ethyl Benzene            | 11            |   | 5.0 | 0.50 | ug/L  |
| Total VOC's:           |              |        |                          | 76.80         |   |     |      |       |
| Total TIC's:           |              |        |                          | 0.00          |   |     |      |       |
| Total VOC's and TIC's: |              |        |                          | 76.80         |   |     |      |       |
| <b>Client ID:</b>      | <b>GS-6</b>  |        |                          |               |   |     |      |       |
| T5416-09               | GS-6         | WATER  | Methyl tert-butyl Ether  | 13            |   | 5.0 | 0.23 | ug/L  |
| T5416-09               | GS-6         | WATER  | cis-1,2-Dichloroethene   | 3.5           | J | 5.0 | 0.28 | ug/L  |
| T5416-09               | GS-6         | WATER  | Benzene                  | 2.2           | J | 5.0 | 0.35 | ug/L  |
| T5416-09               | GS-6         | WATER  | Tetrachloroethene        | 3.2           | J | 5.0 | 0.74 | ug/L  |
| Total VOC's:           |              |        |                          | 21.90         |   |     |      |       |
| Total TIC's:           |              |        |                          | 0.00          |   |     |      |       |
| Total VOC's and TIC's: |              |        |                          | 21.90         |   |     |      |       |
| <b>Client ID:</b>      | <b>MW-2I</b> |        |                          |               |   |     |      |       |
| T5416-02               | MW-2I        | WATER  | Methyl tert-butyl Ether  | 4.6           | J | 5.0 | 0.23 | ug/L  |
| T5416-02               | MW-2I        | WATER  | cis-1,2-Dichloroethene   | 4.8           | J | 5.0 | 0.28 | ug/L  |
| T5416-02               | MW-2I        | WATER  | Tetrachloroethene        | 4.9           | J | 5.0 | 0.74 | ug/L  |
| Total VOC's:           |              |        |                          | 14.30         |   |     |      |       |
| Total TIC's:           |              |        |                          | 0.00          |   |     |      |       |
| Total VOC's and TIC's: |              |        |                          | 14.30         |   |     |      |       |
| <b>Client ID:</b>      | <b>MW-6I</b> |        |                          |               |   |     |      |       |
| T5416-06               | MW-6I        | WATER  | cis-1,2-Dichloroethene   | 4.2           | J | 5.0 | 0.28 | ug/L  |
| T5416-06               | MW-6I        | WATER  | Tetrachloroethene        | 6.1           |   | 5.0 | 0.74 | ug/L  |
| Total VOC's:           |              |        |                          | 10.30         |   |     |      |       |
| Total TIC's:           |              |        |                          | 0.00          |   |     |      |       |
| Total VOC's and TIC's: |              |        |                          | 10.30         |   |     |      |       |
| <b>Client ID:</b>      | <b>MW-6S</b> |        |                          |               |   |     |      |       |
| T5416-07               | MW-6S        | WATER  | cis-1,2-Dichloroethene   | 3.2           | J | 5.0 | 0.28 | ug/L  |
| T5416-07               | MW-6S        | WATER  | Tetrachloroethene        | 5.1           |   | 5.0 | 0.74 | ug/L  |
| Total VOC's:           |              |        |                          | 8.30          |   |     |      |       |
| Total TIC's:           |              |        |                          | 0.00          |   |     |      |       |
| Total VOC's and TIC's: |              |        |                          | 8.30          |   |     |      |       |

Note: The asterisk "\*" flag next to a parameter signifies a TIC parameter.



### Lab Chronicle

|           |                  |             |                           |            |             |          |          |          |  |
|-----------|------------------|-------------|---------------------------|------------|-------------|----------|----------|----------|--|
| Order ID: | T5416            | Order Date: | 10/26/2005 4:27:51 PM     |            |             |          |          |          |  |
| Client:   | Earth Tech, Inc. | Project:    | NYSDEC O&M D003821-37/38  |            |             |          |          |          |  |
| Contact:  | Lori Hoose       | Location    | VOA Ref. #3 Water         |            |             |          |          |          |  |
| Lab ID    | Client ID        | Matrix      | Test                      | Method     | Sample Date | PrepDate | AnalDate | Received |  |
| T5416-01  | MW-2D            | WATER       | <u>VOC-Drinking Water</u> | 524.2 Rev4 | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-02  | MW-2I            | WATER       | <u>VOCMS Group1</u>       | 624        | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-03  | MW-2S            | WATER       | <u>VOC-Drinking Water</u> | 524.2 Rev4 | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-04  | MW-3I            | WATER       | <u>VOC-Drinking Water</u> | 524.2 Rev4 | 10/24/05    |          | 10/31/05 | 10/26/05 |  |
| T5416-05  | MW-4S            | WATER       | <u>VOC-Drinking Water</u> | 524.2 Rev4 | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-06  | MW-6I            | WATER       | <u>VOCMS Group1</u>       | 624        | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-07  | MW-6S            | WATER       | <u>VOCMS Group1</u>       | 624        | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-08  | GS-5             | WATER       | <u>VOCMS Group1</u>       | 624        | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-09  | GS-6             | WATER       | <u>VOCMS Group1</u>       | 624        | 10/24/05    |          | 10/28/05 | 10/26/05 |  |
| T5416-10  | TRIPBLANKS       | WATER       | <u>VOC-Drinking Water</u> | 524.2 Rev4 | 10/24/05    |          | 10/28/05 | 10/26/05 |  |

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**END OF ANALYTICAL RESULTS**