US EPA RECORDS CENTER REGION 5
474209

Third Quarter (September) 2007 Groundwater Monitoring Report for the Rose Township-Demode Road Site 913 Demode Road Holly, Michigan

EarthTech
A tyco International Ltd. Company

Prepared For:

Rose Township Settling Defendants
800 Chrysler Drive
Auburn Hills, MI 48326

Prepared By:

Earth Tech, Inc.
36133 Schoolcraft
Livonia, MI 48150

April 4, 2008

Third Quarter(September) 2007
Groundwater Monitoring Report
Rose Township-Demode Road Site
913 Demode Road
Holly, Michigan 48442

April 4, 2008

Prepared For:

Rose Township Settling Defendants
800 Chrysler Drive
Auburn Hills, MI 48326

Prepared By:

Earth Tech, Inc.
36133 Schoolcraft
Livonia, MI 48150

Brian J. Earl
Hydrogeologist
Earth Tech, Inc.

Leslie Hartig
Project Manager
Earth Tech, Inc.

TABLE OF CONTENTS

Section	Title	Page
1.0	**INTRODUCTION**	**1-1**
1.1	SITE DESCRIPTION AND BACKGROUND	1-1
1.2	GEOLOGY/HYDROGEOLOGY	1-2
1.3	STATUS OF GROUNDWATER INVESTIGATIONS	1-3
2.0	**FIELD AND ANALYTICAL METHODS**	**2-1**
2.1	GROUNDWATER ELEVATIONS	2-1
2.2	GROUNDWATER SAMPLING PROCEDURES	2-2
2.2.1	*Low- Flow Sampling Methods*	*2-2*
2.2.2	*Natural Artesian Flow Sampling Methods*	*2-3*
2.2.3	*Active Groundwater Extraction Well Sampling Methods*	*2-3*
2.3	ANALYTICAL METHODS	2-3
2.4	QUALITY ASSURANCE/QUALITY CONTROL SAMPLES	2-4
3.0	**GROUNDWATER MONITORING RESULTS**	**3-1**
3.1	GROUNDWATER ELEVATIONS	3-1
3.2	FIELD PARAMETERS	3-2
3.3	ANALYTICAL RESULTS	3-3
3.3.1	*Vinyl Chloride*	*3-3*
3.3.2	*Trichloroethene*	*3-5*
3.3.3	*Benzene*	*3-6*
3.3.4	*Biogeochemical Data*	*3-6*
3.4	QA/QC RESULTS	3-8
4.0	**SUMMARY OF JUNE 2007 GROUNDWATER MONITORING EVENT**	**4-1**
5.0	**GROUNDWATER EXTRACTION AND TREATMENT SYSTEM PERFORMANCE**	**5-1**
5.1	COMPLIANCE	5-1
5.2	SYSTEM MODIFICATIONS	5-2
5.3	SYSTEM OPERATIONS	5-2

TABLE OF CONTENTS

Section	Title	Page
6.0	**PLANNED PROJECT ACTIVITIES**	**6-1**

LIST OF FIGURES

Figure	Title
Figure 1	Site Map and Well Locations
Figure 2	Groundwater Level Elevation Contour Map – September 2007
Figure 3	Summary of Detected Volatile Organic Compounds – September 2007
Figure 4	VC and TCE Isoconcentration Map – September 2007
Figure 5	Summary of Historical TCE and VC Concentrations
Figure 6	DNR-6 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 7	DNR-7 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 8	GW-5I VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 9	GW-5D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 10	GW-6D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 11	GW-17I VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 12	GW-17D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 13	GW-18 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 14	GW-19S VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 15	GW-20D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 16	MW-21 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 17	MW-3I VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 18	MW-103S VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 19	RW-1D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 20	RW-5S VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 21	RW-5D VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 22	PW-1 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 23	PW-3 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 24	PW-6 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 25	PW-7 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 26	PW-8 VC, TCE, and Cis-1,2-DCE Concentrations Over Time
Figure 27	SVE and Groundwater Systems Location Map

LIST OF TABLES

Table	Title
Table 1	Summary of Groundwater Level Elevations – September 2007
Table 2	Summary of VOC Analytical Results in Groundwater Samples – September 2007
Table 3	Summary of Historical VOC Analytical Results in Groundwater
Table 4	Summary of Biogeochemical and Field Parameters in Groundwater
Table 5	Summary of Analytical Inffluent and Effluent Data
Table 6	Summary of Operational Flow Data

LIST OF APPENDICES

Appendix A Low-Flow Field Purge Forms

Appendix B Analytical Laboratory Reports

Appendix C Summary of Operating Flow Rates

1.0 INTRODUCTION

This groundwater monitoring report documents field activities and analytical results from the September 2007 (Third Quarter 2007) groundwater sampling activities conducted at the Rose Township Demode Road Site (Site), located at 913 Demode Road, Holly, Michigan (Figure 1). A total of thirty-two groundwater monitoring wells were purged and sampled between September 24 and October 1, 2007, using either low-flow pumping methods or by use of natural artesian conditions. In addition samples were collected from 5 active extraction wells on September 25, 2007. Groundwater level measurements were collected from one hundred and eleven groundwater monitoring wells and four active extraction wells on September 21, 2007. This report summarizes the methods and procedures used during the monitoring event, the results of the September 2007 field activities, and an analysis of the current groundwater extraction system and modifications made to improve operation.

1.1 SITE DESCRIPTION AND BACKGROUND

The Site is comprised of approximately 110 acres and is located in the northwestern corner of Oakland County. Regional topography consists primarily of broad flat plains with numerous shallow depressions and valleys occupied by lakes, ponds, wetlands, and streams. These plains are traversed by a series of southwest to northeast trending ridges formed by glacial end moraines. The topography of Oakland County and all of southeastern Michigan is dominated by glacial features created during the retreat of the Saginaw lobe of the Laurentide ice sheet during the Wisconsin Glacial Stage (approximately 10,000 to 20,000 years ago). The regional elevation ranges from approximately 630 to 1,220 feet above mean sea level (ft. AMSL). The area receives on average 30 inches of precipitation per year. Average monthly temperatures range from 23 °F (January) to 72 °F (July).

The Site was used as an unlicensed landfill for industrial wastes from the mid-1960s until approximately 1971 when Rose Township brought a second law suit against the waste hauler and the land owner. The illegal disposal activities were conducted on approximately 12 acres of the upland portion of the Site. In 1979 the Michigan Department of Environmental Quality (MDEQ), formerly the Michigan Department of Natural Resources (MDNR), conducted a drum

survey on the property and identified approximately 1,500 drums on Site. A large number of these drums were severely deteriorated and had apparently released their contents. Based on this survey and the subsequent sampling of the identified drums, an interim remedial action was conducted by the MDEQ to remove the drums. By July 1980, more than 5,000 drums were identified and removed from the Site by the MDEQ.

Since 1980, the Site has been the subject of numerous investigations and remedial response activities, as summarized below:

- 1980 to 1982 – Initial Site investigation conducted by the MDEQ.
- 1982 – Site becomes part of the Federal Superfund program. A Remedial Investigation/Feasibility Study (RI/FS) is initiated.
- 1986 – The MDEQ conducts additional groundwater delineation activities.
- 1987 – Cleanup plan selected. Record of Decision (ROD) issued requiring Incineration of polychlorinated biphenyl (PCB) contaminated soil and extraction and treatment of contaminated groundwater with discharge to wetlands.
- 1989 – ROD Amendment #1 - Soil Flushing is added to the ROD as a soil remedy.
- 1992-1993 – Incineration of 50,000 cubic yards of PCB contaminated soil.
- 1995 – ROD Amendment #2 – Soil vapor extraction (SVE) chosen for remaining contaminated soils. Target cleanup levels (TCLs) for volatile organic compounds (VOCs) in soil were also amended.
- 1995 – 1996 – Both SVE and groundwater extraction/treatment systems designed and constructed.
- 1997 – Earth Tech is subcontracted for the operation, maintenance, and monitoring (OM&M) of the Site.
- 2002 – Dissolved vinyl chloride concentrations detected beyond the groundwater system capture zone.
- 2004 – Dissolved vinyl chloride concentrations detected at northeast boundary of the Site. Earth Tech begins off-Site delineation activities.
- 2005-2007 – Hydrogeologic Study is conducted to determine the interaction between surface water and groundwater at the Site.
- 2006, 2007 – Hot Spot Investigations conducted to evaluate if source soils still existed that may be contributing to the dissolved chlorinated VOC plume.

1.2 GEOLOGY/HYDROGEOLOGY

The Site is located on a glacial end-moraine and represents a local topographic high which serves as a local recharge area for the shallow aquifer. Site topography ranges from approximately 950 to 1,100 ft. AMSL. The surface water runoff from the Site drains to wetland areas that border the Site on the northeast and west.

The regional geology consists of approximately 250 to 300 feet of glacial drift underlain by bedrock comprised of the Mississippian-aged Coldwater Shale and Marshall Formation (sandstone unit). The glacial drift is composed of complex stratifications of clay tills, outwash deposits (sand and gravel), and ice contact deposits (silts and silty clays). Lacustrine deposits (silt and clay) are also common in the topographically lower lying flat areas and are gradational and interbedded with glacial outwash deposits.

The shallow Site geology consists of complex interbedded glacial deposits (silt to gravelly sands) underlain by clay till that appears to be laterally continuous across the Site and surrounding area. This till layer is considered the base of the aquifer of interest at the Site. In the northeastern and western portions of the Site (the topographically lower areas comprised of wetlands) these water bearing silts and sands are overlain by interbedded lacustrine clays. These interbedded lacustrine clays produce semi-confining conditions for the aquifer causing wells in the lower elevation portions of the Site (areas below approximately 990 ft. AMSL) to flow under natural artesian pressure.

The Site is within an area of complex hydrogeology. The soil below the Site is composed of interbedded clay, silt, sand and gravel. The percentage of each material composing the aquifer affects the direction and velocity of groundwater flow, resulting in changes in the direction and nature of the dissolved contaminant plume. Groundwater flow is generally from south to north across the southern two thirds of the Site, toward well DNR-7 (Figure 2). This portion of the Site, located on a topographic high, acts as a local groundwater recharge area. North of well DNR-7, on the northern third of the property, there is a marked decrease in ground surface and aquifer elevation. Just north of this area the aquifer becomes artesian due to the presence of interbedded lacustrine clays and a corresponding drop in topography. The aquifer pinches and thins out toward the north, which corresponds to a change in groundwater flow direction to the east-northeast towards the wetlands that are present on the northeastern portion of the Site.

1.3 STATUS OF GROUNDWATER INVESTIGATIONS

A dissolved VOC plume has been detected in the water bearing zone beneath the Site. Trichloroethene (TCE) and its degradation products, *cis*-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride (VC), are the most prevalent VOCs in groundwater beneath the Site. Historically,

TCE has been encountered mainly in wells on the south end of the Site near the existing building. VC has been observed in wells near the area of the on-Site building extending to, and possibly beyond, the northeast property boundary. To monitor the groundwater plume at the Site, thirty monitoring wells are sampled quarterly with an additional twenty-one wells generally sampled on an annual basis.

The potential for off-Site groundwater contamination was considered based on the observed VC concentrations in groundwater at the Site property boundary, and the detection of low concentrations of VC in a residential supply wells at 510 and 487 Demode Road. The residents of 510 Demode utilize bottled water for drinking, and both residential wells are sampled on a monthly basis. VC concentrations in samples from the well at 510 Demode Road have ranged from 0.4 µg/L (6/9/03) to 4.9 µg/L (10/31/06) since 2003, with the most recent sample (October 2007) containing VC at 3.9 ug/L. Concentrations of VC have been slowly increasing in the well at 487 Demode Road since it was first detected on April 11, 2007. However, the VC concentration is still significantly below the drinking water criteria.

To investigate whether this VC originates at the Site, eight monitoring wells, including GW-22S, GW-22I, GW-22D, GW-23S, GW-23I, GW-23D, GW-24I, and GW-24D were installed off-Site on the opposite side of the wetlands east of the Site (Figure 1). These off-Site wells are sampled quarterly and to date have shown no detectable levels of any dissolved VOCs except carbon disulfide, ethene, and toluene.

To fill possible data gaps and further refine the understanding of the Site hydrogeology and VOC contaminant migration mechanisms, four additional off-Site monitoring wells, MW-25I, MW-25D, MW-26I and MW-26D were installed in April 2006 (Figure 1). Analytical results for samples collected from these wells between June 2006 and June 2007 have indicated the presence of detectable concentrations of ethylene (MW-25D, MW-25I, and MW-26D), carbon disulfide (GW-26D), and toluene (GW-26D). VC has never been detected to date in samples collected from any of the off-Site monitoring wells.

2.0 FIELD AND ANALYTICAL METHODS

Groundwater gauging and sampling activities were performed at the Site between September 21 and October 1, 2007. With the exception of the naturally flowing artesian wells, the groundwater monitoring wells were purged and sampled using low-flow minimal draw-down techniques. The artesian wells were purged using the natural-flow pressures at the wellhead. The field practices and procedures used for the groundwater monitoring wells during the September 2007 annual groundwater monitoring event were consistent with those established during previous quarterly monitoring events.

Thirty-two monitoring wells were sampled between September 24 and October 1, 2007. Seventeen of these were purged using a peristaltic pump and dedicated tubing while four were sampled using a bladder pump and dedicated tubing. Eleven wells were purged and sampled using natural artesian flow. Additionally, five active recovery wells (PW-1, PW-4, PW-6, PW-7, and PW-8) were sampled on September 25, 2007. A brief description of the groundwater gauging, sampling, and analyses are provided below.

2.1 GROUNDWATER ELEVATIONS

On September 21, 2007, Earth Tech collected static groundwater level measurements from one hundred and eleven monitoring wells and four active extraction wells located both on-Site and off-Site (Table 1 and Figure 3). The groundwater levels from the flowing artesian wells were measured using a sealed k-packer wellhead assembly with a pressure transducer capable of reading water levels to an accuracy of 0.01 feet. Prior to gauging the wells, the transducer was calibrated and any difference in vertical distance from the calibration point to the water surface was noted and recorded so that the readings could be corrected later if necessary. The device was set on top of each well casing and the pressure head was allowed to stabilized before it was recorded in units of feet of water above the top of the well casing (ATOC). The water levels from the stainless steel monitoring wells (GW-1S, GW-2, GW-3S, GW-4S, and GW-6S) were measured. However, the larger inside diameter of the casing prevented the k-packer assembly from creating a water tight seal, thus allowing leakage around the k-packer device and preventing an accurate water level reading.

The groundwater levels from the non-flowing wells were measured to within 0.01 feet, using an electronic water level indicator. The distance from the top of the well casing to the groundwater potentiometric surface in the well was measured and recorded as the static water level (SWL). The groundwater level elevations were calculated by subtracting the SWL from the TOC elevation. Groundwater levels from inactive extraction well PW-5 and active extraction wells, PW-4 and PW-6, were not measured as these wells are under uncontrollable artesian conditions.

2.2 GROUNDWATER SAMPLING PROCEDURES

Groundwater sampling was conducted between September 24 and October 1, 2007 at thirty-two monitoring well locations and five active extraction wells. Details summarizing the sampling procedures for the low-flow pumping method and natural artesian flow methods are provided in the following sections.

2.2.1 LOW- FLOW SAMPLING METHODS

A total of twenty-one groundwater monitoring wells were purged using low-flow methods, utilizing either a peristaltic pump (seventeen wells) or a bladder pump (four wells), at flow rates ranging from 100 to 500 milliliters per minute. During the installation of the tubing for the peristaltic pump or the placement of the bladder pump, care was taken to minimize disturbance of the stagnant water column in the well. If a bladder pump was used to purge the well, the pump was installed in the well and left in place for at least one hour to equilibrate with the water column before purging commenced.

Field parameters, including pH, temperature, conductivity, dissolved oxygen, oxidation reduction potential (ORP), and turbidity, were collected and recorded throughout purging activities on a low-flow field purge form (Appendix A). With the exception of turbidity, field parameter readings were measured in-line using a sealed flow-through cell and multi-parameter analyzer. Turbidity readings were obtained using an extracted water sample and a separate optical turbidity meter. Groundwater purging continued until the pH, temperature, and conductivity parameters were observed within ±10 percent of the average of three measurements taken five minutes apart.

Once the groundwater quality parameters stabilized, the tubing was removed from the flow-through cell and the sample collected directly from the discharge line of the peristaltic or bladder pump. The discharge flow rate was decreased, as necessary, to maintain laminar flow while filling the sample bottles. All purge water was disposed through the on-Site groundwater remediation treatment system.

2.2.2 NATURAL ARTESIAN FLOW SAMPLING METHODS

A total of eleven monitoring wells were purged using natural artesian flow. The flowing artesian wells were sampled using a sealed k-packer wellhead assembly with a small diameter hose barb at the other end. A short section of hose attached this assembly to a flow diversion valve which controlled the amount of water flowing into the flow-through cell. The water flow into the cell was only reduced far enough not to damage the flow through cell. Field parameters were collected and recorded throughout purging activities, as described above for the low-flow sampling method on a low-flow field purge form (Appendix A). All purge water was disposed of through the on-Site groundwater remediation treatment system.

2.2.3 ACTIVE GROUNDWATER EXTRACTION WELL SAMPLING METHODS

Five active groundwater extraction wells were sampled during the September 2007 quarterly sampling event. These well samples were collected through sample collection ports built into the piping between the groundwater treatment system and each well. Field parameters, including pH, temperature, conductivity, dissolved oxygen, ORP, salinity, and turbidity, were collected and recorded on a low-flow field purge form (Appendix A) prior to the collection of the analytical sample.

2.3 ANALYTICAL METHODS

Groundwater samples were collected at thirty-seven monitoring and extraction well locations. Thirty-four wells including DNR-1, DNR-4D, DNR-7, GW-4D, GW-5I, GW-6D, GW-17D, GW-17I, GW-18, GW-19D, GW-19S, GW-20D, GW-20I, GW-21D, GW-21S, GW-22D, GW-22I, GW-22S, GW-23D, GW-23I, GW-23S, GW-24D, GW-24I, GW-25D, GW-25I, GW-26D, GW-26I, MW-

102D, MW-103S, MW-3I, PW-7, PW-8, RW-1D, and RW-5S were analyzed for the following parameters by Trimatrix Laboratories, of Grand Rapids, Michigan:

- Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B

- Biogeochemical Parameters:
  - Dissolved gases (methane, ethane, ethene) by RSK 175
  - Inorganics (ammonia, nitrate/nitrite, sulfate, chloride) by USEPA 300 Series Methods
  - Total organic carbon (TOC), and alkalinity (total) by USEPA Series 300 and 400 Methods

In addition to the laboratory analytical methods listed above, groundwater from each well was measured in the field for sulfide and dissolved metals (iron and manganese). These field measurements were obtained using colorimetric methods with a Hach DR 850 instrument, after the well was purged and the field parameters had stabilized.

Three active extraction wells (PW-1, PW-4, PW-6) were analyzed only for VOCs by EPA Method 8260B.

2.4 QUALITY ASSURANCE/QUALITY CONTROL SAMPLES

Quality assurance quality control (QA/QC) samples were collected to monitor the effectiveness of the decontamination procedures and to identify any field or laboratory conditions that may affect sample integrity. QA/QC samples included the following:

- **Duplicate Samples** - Duplicate samples were collected from four monitoring wells. The wells selected for duplicate sample collection were DNR-4D, GW-20I, GW-23S, and RW-1D. For each sample obtained, a duplicate set of sample containers was filled immediately following collection of the original sample. Each duplicate sample was handled and analyzed in a fashion identical to the monitoring well samples.

- **Rinsate Samples** - Three rinsate (equipment blank) samples were collected following standard decontamination procedures. Equipment blank samples were collected at a frequency of one sample for every day of sampling when non-dedicated equipment was being used. For each equipment blank sample, deionized water was poured through the decontaminated sampling equipment and collected in a set of sample containers. Each

equipment blank sample was handled and analyzed in a fashion identical to the monitoring well samples.

- **Matrix Spike/Matrix Spike Duplicates (MS/MSD)** - MS/MSD samples were collected from monitoring wells GW-21S, and MW-3I. For each sample, one additional set of sample containers was filled immediately following the collection of the corresponding original sample and submitted for laboratory QA/QC purposes. Each MS/MSD sample was handled and analyzed in a manner identical to the monitoring well samples.

- **Field Blank Samples** – Three field blank samples were collected during the sampling event. Field blank samples were collected at a frequency of one for every three days of sampling. Field blank samples were collected by filling a set of VOC bottles with laboratory de-ionized water and leaving the caps off the bottle while conducting the sampling at a monitoring well. Field blank samples were collected during the sampling of wells DNR-1, GW-5I, and GW-22I.

- **Trip Blank Samples** - One laboratory-prepared trip blank sample was transported with each cooler containing more than one groundwater sample submitted for VOC analysis. The trip blank sample was only analyzed for VOCs.

All QA/QC and monitoring well samples were placed directly into appropriately preserved sample containers, as prepared and provided by the analytical laboratory. All sample bottles were labeled, packed in coolers, and transported to the analytical laboratory under proper chain-of-custody procedures.

3.0 GROUNDWATER MONITORING RESULTS

A total of thirty-two groundwater monitoring wells and five active extraction wells were purged and sampled during the September 2007 quarterly groundwater monitoring event. All samples were analyzed for VOCs and thirty-two wells and two active extraction wells were analyzed for biogeochemical indicator parameters. A total of seventeen QA/QC samples including equipment blanks, field blanks, duplicates, MS/MSDs, and trip blanks were also collected.

VC, TCE, and cis-1,2-DCE are the primary VOCs at the Site based on the detected concentrations and frequency of detections in the groundwater monitoring wells. The September 2007 quarterly groundwater monitoring results are summarized and discussed in the following sections.

3.1 GROUNDWATER ELEVATIONS

Water levels were measured in one hundred and eleven groundwater monitoring wells and four active extraction wells on September 21, 2007. These water level data are summarized in Table 1.

The groundwater level elevations ranged from 1,010.39 ft. AMSL at well RW-10, located in the central portion of the property, to 938.95 feet AMSL at monitoring well DNR-6, located in the north central portion of the Site. The groundwater flow direction on-Site is generally from south to north at a horizontal gradient of approximately 0.002 feet/foot (ft/ft) across the southern and central portions of the property. The groundwater flow direction becomes more northeasterly near the northern property boundary (near wells DNR-6 and GW-10) and a strong easterly component becomes apparent between well cluster GW-5 and well cluster GW-26 (Figure 2). The groundwater gradient increases to approximately 0.01 ft/ft between these two well clusters.

During analysis of collected groundwater elevation data from the June 2007 annual groundwater monitoring event, integration of Surfer 8® as the iterative tool for modeling on-Site groundwater flow direction was undertaken. Prior to implementation of the tool, a statistical analysis of the collected groundwater measurement data was completed based on Grubb's (extreme studentized deviate) Method. The statistical analysis was undertaken in an effort to establish data as statistically fit in comparison to data collected over the last 13 quarters (beginning of

2004) so that confidence could be placed in the data used in the Surfer 8 model. Based on the findings of the statistical analysis, position of the well screens and their relation to the aquifer, eighty-nine of the normal ninety wells were ultimately used in calculation of the groundwater contours presented in Figure 2. One well, GW-11S, was excluded as being a statistical outlier based on the analysis of historical water level data. Statistical analyses will continue to be conducted on the collected groundwater elevation data prior to use in a modeling program in order to identify and reject statistical outliers.

3.2 FIELD PARAMETERS

Groundwater field parameters monitored during well purging activities included temperature, pH, conductivity, dissolved oxygen, turbidity, and ORP. When these parameters stabilize, the purge water is then considered to be representative of groundwater conditions within the water-bearing unit. A general discussion and summary of the stabilization parameters recorded during purging is provided below.

- **Temperature:** Groundwater temperatures ranged from 9.84 (GW-17I) to 17.40 (GW-26D) °C.
- **pH:** Groundwater pH ranged from 6.06 (GW-21S) to 10.13 (MW-103S).
- **Conductivity:** Groundwater conductivities ranged from 199 (MW-103S) to 688 (PW-8) microSiemens per centimeter (µS/cm).
- **Dissolved Oxygen:** Dissolved oxygen values ranged from 0.02 (PW-1) to 5.25 (GW-23S) mg/L.
- **Turbidity:** Groundwater turbidity ranged from less than 1 (multiple wells) to 23.0 (PW-8) nephelometric turbidity units (NTUs).
- **ORP:** Groundwater ORP ranged from –232 (GW-25D) to +178 (GW-23SD) milliVolts (mV).

The field parameters recorded during the September 2007 quarterly sampling event were generally consistent with historical observations. The low dissolved oxygen and ORP values observed in most monitoring wells is indicative of ambient anaerobic conditions. Appendix A

includes the Low-Flow Field Purge Forms that were completed in the field during the sampling event.

3.3 ANALYTICAL RESULTS

The VOC concentrations detected in September 2007 quarterly sampling event are summarized in Table 2. A table showing historical VOC concentrations is provided as Table 3. Complete laboratory analytical reports are provided as Appendix B.

The VOC analytical results are compared to the TCLs developed in the ROD (EPA, September 30, 1987). These TCLs are further subdivided into Phase I and Phase II TCLs as identified in the *Remedial Design and Remedial Action Work Plan* (Fred C. Hart Associates, Inc., et al, September 18, 1989). The detected VOC concentrations were also compared to the current MDEQ Remediation and Redevelopment Division (MDEQ-RRD) Part 201 Generic Cleanup (Part 201) Residential Drinking Water, Groundwater Surface Water Interface (GSI), Groundwater Contact Criteria and the 2004 Federal Drinking Water Maximum Contaminant Levels (MCLs).

In general, VOCs were detected in thirteen of the thirty-two monitoring wells and all five active extraction wells sampled in September 2007 (DNR-7, GW-5I, GW-17D, GW-17I, GW-18, GW-19S, GW-20D, GW-25D, GW-26D, MW-3I, MW-103S, PW-1, PW-4, PW-6, PW-7, PW-8, RW-1D, and RW-5S). VOCs that were detected, but did not exceed the Part 201 Criteria, MCLs, or the ROD TCLs, include carbon disulfide, chlorobenzene, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and 1,1,1-trichloroethane. The detected VOCs that exceeded one or more ROD TCL, Part 201, and/or MCL criterion are summarized below.

3.3.1 VINYL CHLORIDE

Vinyl chloride (VC) is the most prevalent VOC at the Site, detected in eight of the thirty-two monitoring wells and all five active extraction wells sampled during this monitoring event. The detected VC concentrations in groundwater samples ranged from 1.0 μg/L (GW-19S) to 150 μg/L (DNR-7). The dissolved VC plume as shown in Figure 4 begins near well MW-106D (located northwest of the groundwater treatment system building) and extends north to

northeast to the property boundary near wells GW-19S and GW-20D (Figure 4). The VC concentrations detected in groundwater across the Site between December 2006 and September 2007 are summarized on the following table. A map showing the historical distribution of VC concentrations across the Site is provided as Figure 5.

ROD TCLs for VC		2004 Federal Drinking Water MCL for Vinyl Chloride	Part 201 Criteria for Vinyl Chloride		
Phase I TCLs	Phase II TCLs		Residential Drinking Water Criteria	Ground-water Surface Water Interface Criteria	Ground-water Contact Criteria
1	0.003	2	2	15	1,000

Observed Vinyl Chloride Concentrations (µg/L) per Monitoring Event				
Sample Location	12/2006	3/2007	6/2007	9/2007
DNR-6	**30**	**33**	NS	NS
DNR-7	**89**	**73**	**120**	**150**
GW-17D	**23**	**23**	**21**	**18**
GW-17I	**9.0**	**3.3**	**2.8**	**1.7**
GW-18	**30**	**45**	**26**	**26**
GW-19S	**2.3**	**1.7**	**1.2**	**1.0**
GW-20D	**23**	**21**	**23**	**21**
GW-5I	**140**	**160**	**110**	**90**
MW-2I	NS	NS	**2.4**	**NS**
MW-3I	**28**	**21**	**24**	**22**
PW-1	**16**	**22**	**8.4**	**15**
PW-3	NS	NS	**1.7**	**NS**
PW-4	**2.1**	**1.9**	**1.8**	**2.5**
PW-6	**29**	**32**	**27**	**16**
PW-7	**80**	**3.4**	**69**	**81**
PW-8	**4.8**	**5.6**	**3.7**	**4.4**
RW-1D	**1.5**	**1.5**	<1.0	<1.0
RW-5S	**1.2**	<1.0	<1.0	<1.0

Notes:
MCL = Maximum Contaminant Level
Shaded areas indicate that the concentration exceeds the MCL Part 201 or ROD Criteria.
NS = Not Sampled

Although the trends in VC concentrations over time vary between different individual monitoring wells, the general distribution of VC across the Site has remained relatively consistent. Graphs showing detailed VC, TCE, and cis-1,2-DCE concentration trends over time (for wells with detectable concentrations of these VOCs) are provided as Figures 6 through 26. Overall

decreasing VC concentration trends are apparent in monitoring wells DNR-6, GW-5I, GW-5D, GW-6D, GW-17I, GW-17D, GW-19S and RW-5S. With the exception of RW-5S, these wells are all located in the vicinity of pumping wells PW-1, PW-4, and PW-6. RW-5S is located in the vicinity of pumping well PW-3. Overall increasing VC concentration trends were not seen in any monitoring well over the past 4 quarters with the exception of DNR-7 which increased during the last two quarters. The VC concentration in extraction well PW-7 also increased during the last two quarters. The VC concentrations at wells GW-18, MW-20D, RW-1D, MW-103S and MW-3I are generally stable.

Table 3 and Figure 5 present historical VC data. To date, VC has not been observed in the off-Site well clusters GW-22I/S/D, GW-23I/S/D, GW-24I/D GW-25I/D and GW-26I/D, located further down gradient. With the exception of low concentrations of carbon disulfide and toluene, VOCs have not been detected at these off-Site wells.

3.3.2 TRICHLOROETHENE

Trichloroethene (TCE) was detected in groundwater samples collected from one of the thirty-two monitoring wells and one of the five active extraction wells sampled in September 2007. The detected concentrations were 1.3 μg/L at well PW-8 and 99 μg/L at well RW-1D. TCE and VC iso-concentration contours are shown in Figure 4.

The TCE concentrations reported in September 2007 were generally consistent with those observed in recent sampling events. The TCE concentration at well RW-1D remains elevated from concentrations detected prior to April 2006. To date, the furthest down gradient location at which TCE has been routinely detected is at pumping well PW-8. TCE has not been observed at any of the newest down gradient wells and boundary wells, including the GW-17, GW-18, GW-19, GW-20 and GW-21 series, or any of the off-Site monitoring wells. A map showing the historical distribution of TCE and VC concentrations across the Site is provided as Figure 5.

Graphs showing detailed VC, TCE, and cis-1,2-DCE concentration trends over time (for wells with detectable concentrations of these VOCs) are provided as figures 6 through 26.

3.3.3 BENZENE

Benzene was detected in the groundwater sample collected from one of the five active extraction wells sampled. Benzene is sporadically observed in the central portion of the Site. An iso-concentration map for benzene was not prepared. A summary of the benzene detections are provided in the table below.

ROD Phase I TCL for Benzene	ROD Phase II TCL for Benzene	2004 Federal Drinking Water MCL for Benzene	Part 201Residential Drinking Water Criteria
1.5	0.133	5	5

Sample Location	Benzene (µg/L) September 2007
PW-7	8.4

Notes:
MCL = Maximum Contaminant Level
Shaded areas indicate that the concentration exceeds the MCL Part 201 or ROD Criteria.

This occurrence of benzene is generally consistent with previous sampling events.

3.3.4 BIOGEOCHEMICAL DATA

Thirty-four of the thirty-seven groundwater samples collected in September 2007 were analyzed for biodegradation indicators including methane, ethane, ethene, nitrate/nitrite, ammonia, chloride, sulfate, total alkalinity, and total organic carbon. The biogeochemical parameters dissolved iron, dissolved manganese, and sulfide were also collected from these thirty-seven wells. Additional biogeochemical parameters were collected in the field from all thirty-seven wells, including dissolved oxygen and ORP. These parameters are used to determine the aerobic/anaerobic condition of the aquifer. In general, electron acceptors progress from oxygen to nitrate, manganese, iron, sulfate and methane, with oxygen indicating the aerobic end of the scale and methane indicating the anaerobic end of the scale.

A summary of the September 2007 biogeochemical results is provided in Table 4. A summary of the biogeochemical results obtained during this sampling event is provided as follows:

Field Measurements

Dissolved Oxygen: Dissolved oxygen values ranged from 0.02 (PW-1) to 5.25 (GW-23S) mg/L (see Section 3.2).

ORP: Groundwater ORP ranged from –232 (GW-25D) to +178 (GW-23SD) milliVolts (mV). (see Section 3.2).

Laboratory Results

Methane: Methane was detected in thirty-three of thirty-four wells sampled, at concentrations ranging from 1.2 (GW-24D) to 500 µg/L (MW-102D).

Ethane: Ethane was detected in one of the thirty-four wells sampled. Ethane was detected in GW-26D at a concentration of 4.3 µg/L.

Ethene: Ethene was detected in ten of the thirty-four wells sampled at concentrations ranging from 1.1 µg/L (GW-26I) to 12 µg/L (PW-7).

Nitrate/Nitrite: Nitrite was not detected in any well sampled. Nitrate was detected in two wells. Nitrate was detected from 0.052 mg/L (GW-23S) to 0.21 mg/L (PW-8).

Sulfate: Sulfate was detected in twenty-six of the thirty-four wells sampled, at concentrations ranging from 6.8 (GW-25I) to 32 mg/L (MW-103S).

Ammonia: Ammonia was detected in thirty of the thirty-four wells sampled at concentrations ranging from 0.058 mg/L (GW-23I) to 0.26 mg/L (DNR-1).

Chloride: Chloride concentrations ranged from 1.4 mg/L (DNR-1) to 14 mg/L (MW-103S).

Total Alkalinity: Total alkalinity concentrations ranged from 28 mg/L (MW-103S) to 360 mg/L (PW-8).

Total Organic Carbon: Total organic carbon content ranged from below the reporting limit of 1.0 mg/L to 19 mg/L (MW-103S).

Based on a review of these data, the aquifer appears to be under predominantly anaerobic conditions, although neither strongly anaerobic nor aerobic conditions are apparent. Weakly aerobic conditions, as indicated by the elevated DO and ORP levels, are present in GW-23S. Elevated concentrations of methane in DNR-1, DNR-7, and MW-102D suggest that methanogenisis (anaerobic degradation) may be occurring at these locations. The overall low values for DO and ORP are more indicative of anaerobic conditions.

3.4 QA/QC RESULTS

Analytical results for the QA/QC samples collected during the September 2007 sampling event are summarized below. Complete laboratory analytical reports including QA/QC sample results are provided in Appendix B.

Trip Blanks

Five trip blank samples were submitted to the lab for analysis of VOCs. All five samples contained no detectable concentration of VOCs. None of the five trip blank samples had elevated reporting limits (RLs).

Field Blanks

Three field blank samples were submitted to the laboratory for analysis of VOCs. All three samples contained no detectable concentration of VOCs. None of the three field blank samples had elevated reporting limits (RLs).

Equipment Blanks

Three equipment blank samples were submitted to the laboratory for analysis of VOCs. All three samples contained non-detectable concentrations of VOCs. None of the equipment blank samples had elevated reporting limits (RLs).

Duplicate Samples

Duplicate samples (DNR-4D, GW-20I, GW-23S, and RW-1D) were reviewed for field precision within 50% relative percent difference (RPD). All four duplicate samples were well within the 50% RPD.

Laboratory Method Blanks

All laboratory method blanks were non-detect for all VOCs. No samples were qualified because of method blanks.

Laboratory Control Samples

The laboratory control sample duplicate (LCSD) for batch 0709573 was less than the lower laboratory control limit but greater than 10% for 1,1,2,2-tetrachloroethane. Thus, all results for 1,1,2,2-tetrachloroethane in the groundwater samples from this batch are qualified as estimated only. Because 1,1,2,2-tetrachloroethane has not been detected in any samples collected from the monitoring wells at the Site no data are affected.

MS/MSDs

The matrix spike/matrix spike duplicate (MS/MSD) recoveries exceeded the upper control limit for 1,1,2,2-tetrachloroethane from GW-21S. The non-spiked sample result for 1,1,2,2-tetrachloroethane was non-detect so no groundwater data were qualified for this analyte.

Holding Times

All groundwater samples were analyzed within the recommended holding times for each analysis.

4.0 SUMMARY OF SEPTEMBER 2007 GROUNDWATER MONITORING EVENT

Water levels were collected from a total of one hundred and eleven groundwater monitoring wells and four active extraction wells on September 21, 2007. Purging and sampling activities were performed on thirty-two on- and off-site monitoring wells and five active extraction wells between September 24 and October 1, 2007 following appropriate technical and quality control procedures. All groundwater samples were submitted to Trimatrix Laboratories for analysis. All samples were analyzed within recommended holding times following strict quality control procedures.

In September 2007, groundwater elevations decreased an average of 2.59 feet from the last monitoring event in June 2007. Most of the measured change in groundwater elevation is likely due to the non-pumping conditions during the collection of the June 2007 water levels. The groundwater flow direction on-Site is generally from south to north at a horizontal gradient of approximately 0.002 feet/foot (ft/ft) across the southern and central portions of the property. The groundwater flow direction becomes more northeasterly near the northern property boundary (near wells DNR-6 and GW-10) and a strong easterly component becomes apparent between well cluster GW-5 and well cluster GW-26 (Figure 2). The groundwater gradient increases to approximately 0.01 ft/ft between these two well clusters. To date, however, only toluene and carbon disulfide have been detected in any groundwater monitoring wells on the east side of the wetland, despite the low level occurrence of VC in off-Site private supply wells.

The distribution of dissolved VOCs in the aquifer is generally consistent with historical patterns. Over the last four quarters, concentrations of TCE, cis-1,2-DCE, and VC are either stable or decreasing across the Site, with the exception of an overall increasing trend in extraction well PW-7, and an increase in cis-1,2-dichloroethene in PW-1, which are indicative of the effectiveness of the groundwater recovery system.

5.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM PERFORMANCE

The groundwater extraction and treatment system consists of six extraction wells and an air stripping system that is designed to remove VOCs from groundwater. The current active extraction wells are PW-1, PW-3, PW-4, PW-6, PW-7, and PW-8 (Figure 27). Weekly monitoring of the treated and untreated groundwater is conducted in accordance with the Michigan Department of Environmental Quality (MDEQ) Substantive Requirements Document for Surface Water Discharge (Permit No. MIU990014).

5.1 COMPLIANCE

Table 5 provides a summary of the influent and effluent analyses, and weekly average air emission rates for the three-month period from July 1, 2007 through September 31, 2007.

The weekly monitoring data indicate that the treatment system effluent was compliant with Section A.1 of the Substantive Requirements Document MIU990014. Except for samples collected for DMR monitoring on August 13 and 20, 2007. The results indicated that the effluent concentration for VC was 11 and 13 micrograms per liter (ug/l) respectively. These concentrations exceeded the daily maximum discharge criteria (3 ug/L) as specified under Section A.1 of the Substantive Requirements Document. An e-mail was sent to Ms. Lishba Varughese at the Michigan Department of Environmental Quality (MDEQ) on August 29, 2007, informing her about the exceedance and the corrective action performed. As a part of routine maintenance, the treatment system was shut down from August 20 to 22, 2007 for cleaning of the air stripper tower. This was the corrective action performed to prevent additional exceedances of effluent criteria for VC. The sample collected on August 27, 2007 (part of required weekly sampling) showed an effluent VC concentration as non-detect (less than the reporting limit of 1.0 ug/L).

Based on the latest effluent analytical results the treatment system is in compliance with Section A.1 of the Substantive Requirements Document. Earth Tech will continue to monitor the effluent analytical data for compliance. A written notification was sent to MDEQ on September 4, 2007.

Average hourly air emission rates from the groundwater treatment system for each weekly sampling period from the air stripper were calculated for the current reporting period (July 1,

2007 through September 31, 2007). The air emission rates for the air stripper system ranged from 0.0012 to 0.0109 pounds per hour (lbs/hr) during this reporting period (Table 5). The permitted allowable emissions for both the SVE and air stripper systems are 1.0 lbs/hr VOC. SVE was not operational during this reporting period.

5.2 SYSTEM MODIFICATIONS

No system modifications were performed during this quarter.

5.3 SYSTEM OPERATIONS

The system has removed an estimated 498.01 lbs of VOCs from the groundwater to date since start-up of the groundwater collection and treatment system on February 10, 1996. This quarter, the groundwater treatment system removed 9.86 lbs of VOCs (1.97% of cumulative total removal). This corresponds to an average VOC removal rate of 0.0055 lbs/hr for this quarter.

Table 6 provides the total volume of groundwater extracted from the active extraction wells, and percentage of pump operation per month for the period of July 1, 2007 through September 31, 2007. The following problems were encountered during this reporting period, which caused down time for the extraction wells:

- PW-1 was previously taken offline on May 21, 2007 due to a defective digital amplifier in the Foxboro flow meter assembly. A temporary analog amplifier was installed on July 9, 2007 and PW-1 was brought online.
- Annual cleaning of the air stripper tower was performed from August 20 to 22, 2007. All pumping wells were taken offline during this period.
- A system power failure alarm was received on August 23, 2007. Earth Tech personnel responded to the alarm on August 24, 2007 and the system was restarted without any issues.
- A no flow alarm was received on August 29, 2007. The overloads on PW-4 were reset and the system was restarted without issue on August 30, 2007.
- A no flow alarm was received on September 12, 2007. PW-8 was reset and the system was restarted without any issues on September 13, 2007.

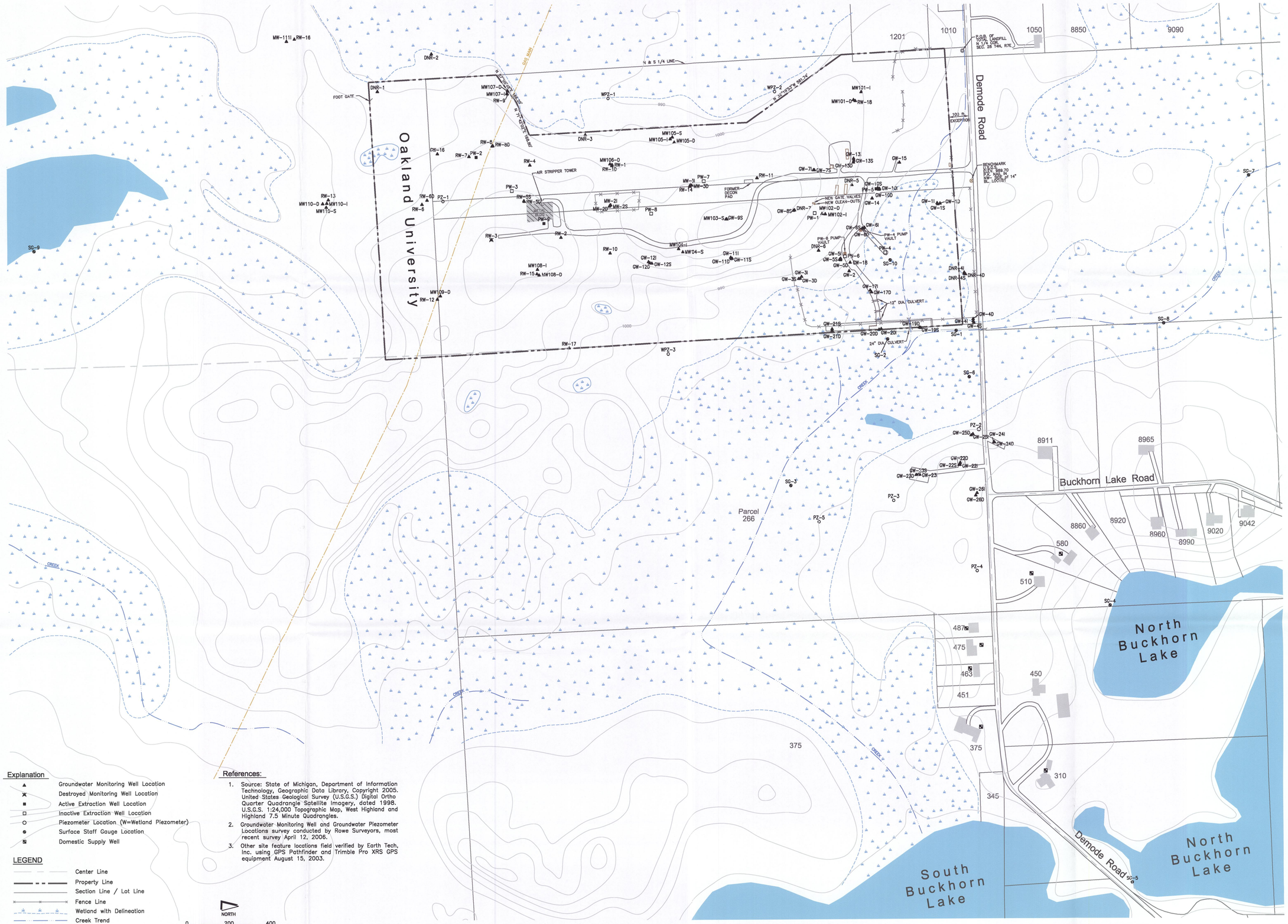
- A no flow alarm was received on September 14, 2007. PW-8 was reset again and the system was restarted without any issues on September 17, 2007.

The groundwater pump and treat system operated 93.4% of the time over the quarter for all wells. Earth Tech endeavors to keep system downtime to a minimum. The influent to and effluent from the groundwater extraction and treatment system are sampled on a weekly basis and tested for VC and DCE. For the week ending March 22, 2007, the influent concentrations of VC and DCE were 1.4 micrograms per liter and non-detect, respectively. For the week ending March 29, 2007, both VC and DCE influent concentrations were non-detects. Earth Tech will continue to track changes in contaminant concentrations in the wells and attempt to correlate this data with system operation.

6.0 PLANNED PROJECT ACTIVITIES

The next two quarterly groundwater sampling events are planned to take place in December 2007 and March 2008. The Additional Hot-Spot Investigation will be performed during October and November 2007 followed by the in-situ pilot test. The next cleaning for the air stripper tower is scheduled for October 2007.

Figures



Explanation

- Groundwater Monitoring Well Location
- Destroyed Monitoring Well Location
- Active Extraction Well Location
- Inactive Extraction Well Location
- Piezometer Location (W=Wetland Piezometer)
- Surface Staff Gauge Location
- Domestic Supply Well

LEGEND

- Center Line
- Property Line
- Section Line / Lot Line
- Fence Line
- Wetland with Delineation
- Creek Trend
- Gas Main

References:

1. Source: State of Michigan, Department of Information Technology, Geographic Data Library, Copyright 2005. United States Geological Survey (U.S.G.S.) Digital Ortho Quarter Quadrangle Satellite Imagery, dated 1998. U.S.G.S. 1:24,000 Topographic Map, West Highland and Highland 7.5 Minute Quadrangles.
2. Groundwater Monitoring Well and Groundwater Piezometer Locations survey conducted by Rowe Surveyors, most recent survey April 12, 2006.
3. Other site feature locations field verified by Earth Tech, Inc. using GPS Pathfinder and Trimble Pro XRS GPS equipment August 15, 2003.

NORTH

0 200 400

APPROXIMATE SCALE IN FEET

NO	REVISIONS	DRN	CHK	DATE

LIVONIA, MICHIGAN

DRN
DES
CHK
APP

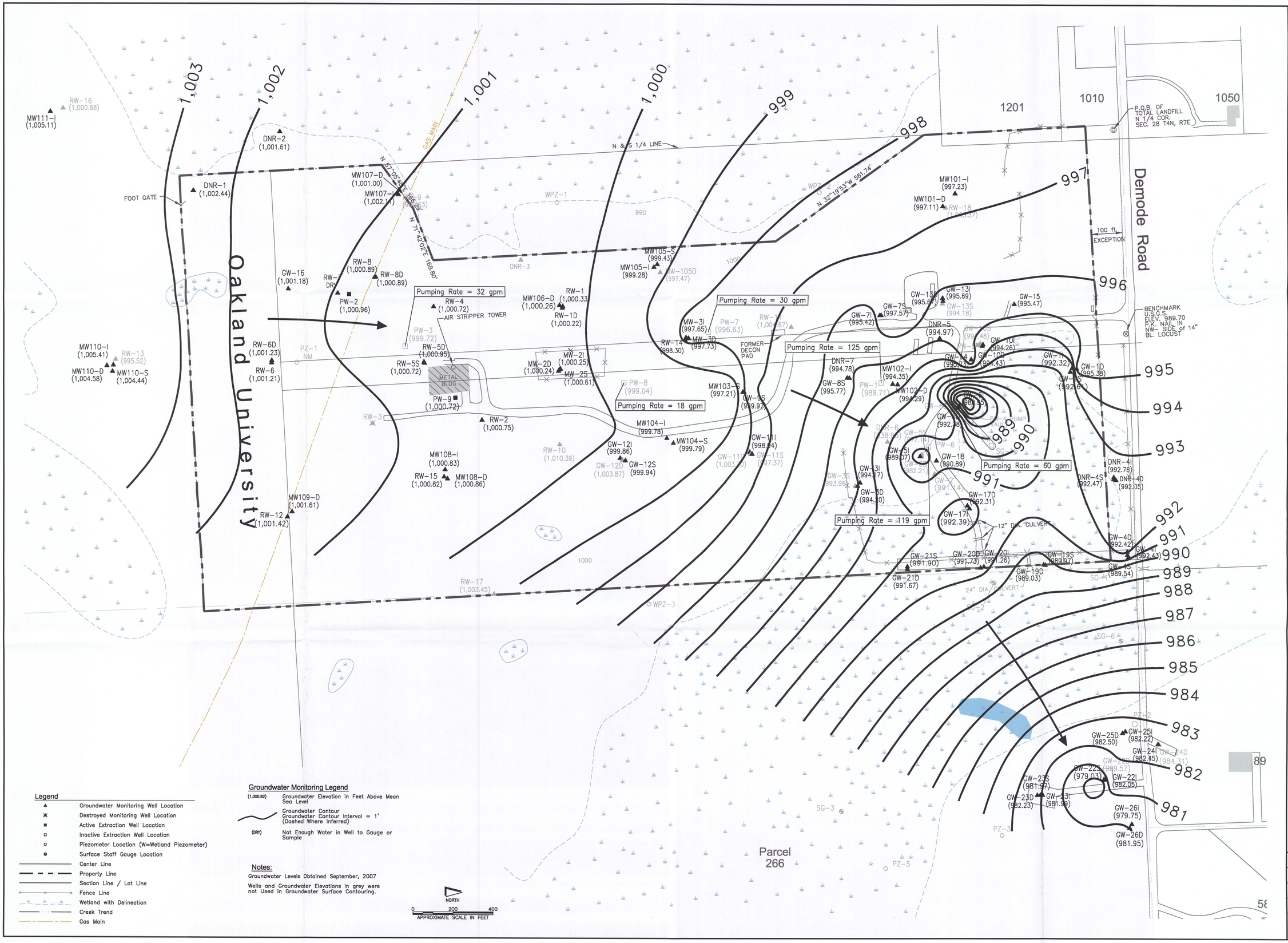
Copyright© EARTH TECH, Inc., All Rights Reserved

Earth Tech
A Tyco International Ltd. Company

Rose Township Demode Road
Holly, Michigan

Figure 1
Site Map with Well Locations

DATE	11/13/07
PROJECT NO	96362.04
FILENAME	96362_Q3_Fig1.dwg
SHEET NO	1 of 26
DRAWING NO	1



Legend

- Groundwater Monitoring Well Location
- Destroyed Monitoring Well Location
- Active Extraction Well Location
- Inactive Extraction Well Location
- Piezometer Location (W=Wetland Piezometer)
- Surface Staff Gauge Location
- Center Line
- Property Line
- Section Line / Lot Line
- Fence Line
- Wetland with Delineation
- Creek Trend
- Gas Main

Groundwater Monitoring Legend

(1,000.82) Groundwater Elevation in Feet Above Mean Sea Level

Groundwater Contour
Groundwater Contour Interval = 1'
(Dashed Where Inferred)

(DRY) Not Enough Water in Well to Gauge or Sample

Notes:

Groundwater Levels Obtained September, 2007

Wells and Groundwater Elevations in grey were not Used in Groundwater Surface Contouring.

NORTH

0 200 400
APPROXIMATE SCALE IN FEET

NO	REVISIONS	DRN	CHK	DATE

LIVONIA, MICHIGAN

DRN
DES
CHK
APP

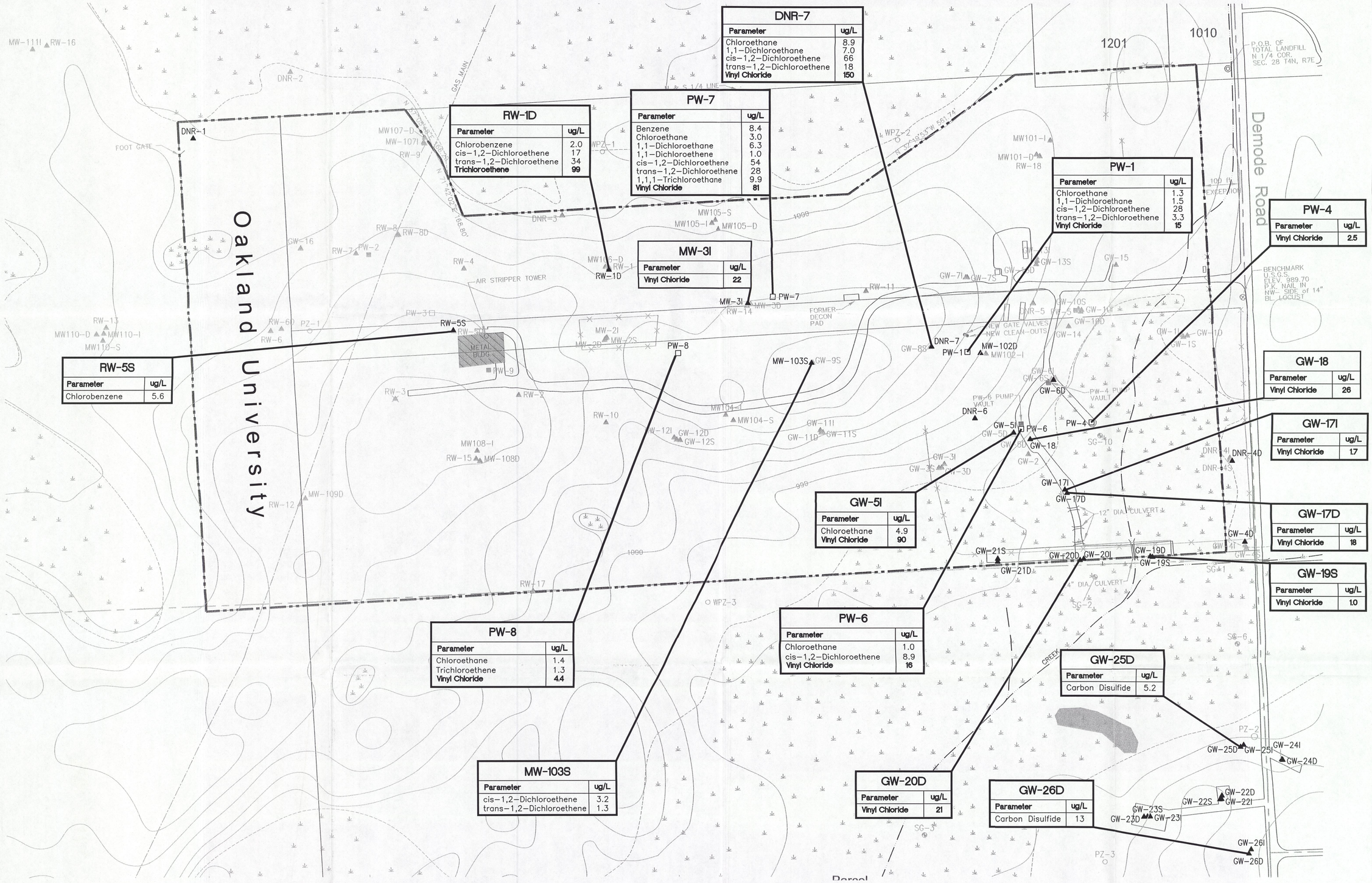
Copyright© EARTH TECH, Inc., All Rights Reserved

Earth Tech
A Tyco International Ltd. Company

Rose Township Demode Road
Holly, Michigan

Figure 2
Groundwater Level Elevation Contours
September 2007

DATE	04/03/08
PROJECT NO	102244.03
FILENAME	96362_Q3_2007_Fig2
SHEET NO	2 of 26
DRAWING NO	2



DNR-7	
Parameter	ug/L
Chloroethane	8.9
1,1–Dichloroethane	7.0
cis–1,2–Dichloroethene	66
trans–1,2–Dichloroethene	18
Vinyl Chloride	**150**

PW-7	
Parameter	ug/L
Benzene	8.4
Chloroethane	3.0
1,1–Dichloroethane	6.3
1,1–Dichloroethene	1.0
cis–1,2–Dichloroethene	54
trans–1,2–Dichloroethene	28
1,1,1–Trichloroethane	9.9
Vinyl Chloride	**81**

RW-1D	
Parameter	ug/L
Chlorobenzene	2.0
cis–1,2–Dichloroethene	17
trans–1,2–Dichloroethene	34
Trichloroethene	**99**

PW-1	
Parameter	ug/L
Chloroethane	1.3
1,1–Dichloroethane	1.5
cis–1,2–Dichloroethene	28
trans–1,2–Dichloroethene	3.3
Vinyl Chloride	**15**

PW-4	
Parameter	ug/L
Vinyl Chloride	2.5

MW-3I	
Parameter	ug/L
Vinyl Chloride	22

GW-18	
Parameter	ug/L
Vinyl Chloride	26

GW-17I	
Parameter	ug/L
Vinyl Chloride	17

RW-5S	
Parameter	ug/L
Chlorobenzene	5.6

GW-5I	
Parameter	ug/L
Chloroethane	4.9
Vinyl Chloride	**90**

GW-17D	
Parameter	ug/L
Vinyl Chloride	18

GW-19S	
Parameter	ug/L
Vinyl Chloride	1.0

PW-8	
Parameter	ug/L
Chloroethane	1.4
Trichloroethene	1.3
Vinyl Chloride	**4.4**

PW-6	
Parameter	ug/L
Chloroethane	1.0
cis–1,2–Dichloroethene	8.9
Vinyl Chloride	**16**

GW-25D	
Parameter	ug/L
Carbon Disulfide	5.2

MW-103S	
Parameter	ug/L
cis–1,2–Dichloroethene	3.2
trans–1,2–Dichloroethene	1.3

GW-20D	
Parameter	ug/L
Vinyl Chloride	**21**

GW-26D	
Parameter	ug/L
Carbon Disulfide	13

Explanation

- ▲ Groundwater Monitoring Well Location
- ✕ Destroyed Monitoring Well Location
- ■ Active Extraction Well Location
- □ Inactive Extraction Well Location
- ○ Piezometer Location (W=Wetland Piezometer)
- ● Surface Staff Gauge Location

Legend

- Center Line
- Property Line
- Section Line / Lot Line
- Fence Line
- Wetland with Delineation
- Creek Trend
- Gas Main

References:

1. Source: State of Michigan, Department of Information Technology, Geographic Data Library, Copyright 2005. United States Geological Survey (U.S.G.S.) Digital Ortho Quarter Quadrangle Satellite Imagery, dated 1998. U.S.G.S. 1:24,000 Topographic Map, West Highland and Highland 7.5 Minute Quadrangles.
2. Groundwater Monitoring Well and Groundwater Piezometer Locations survey conducted by Rowe Surveyors, most recent survey April 12, 2006.
3. Other site feature locations field verified by Earth Tech, Inc. using GPS Pathfinder and Trimble Pro XR5 GPS equipment August 15, 2003.

Notes:

1. Well Locations in gray were not sampled.
2. Compounds in BOLD exceed one or more criteria.
3. All concentrations are in µg/L.

NORTH

0 120 240

APPROXIMATE SCALE IN FEET

DATE	CHK	DRN	REVISIONS	NO

LIVONIA, MICHIGAN

DRN | DES | CHK | APP

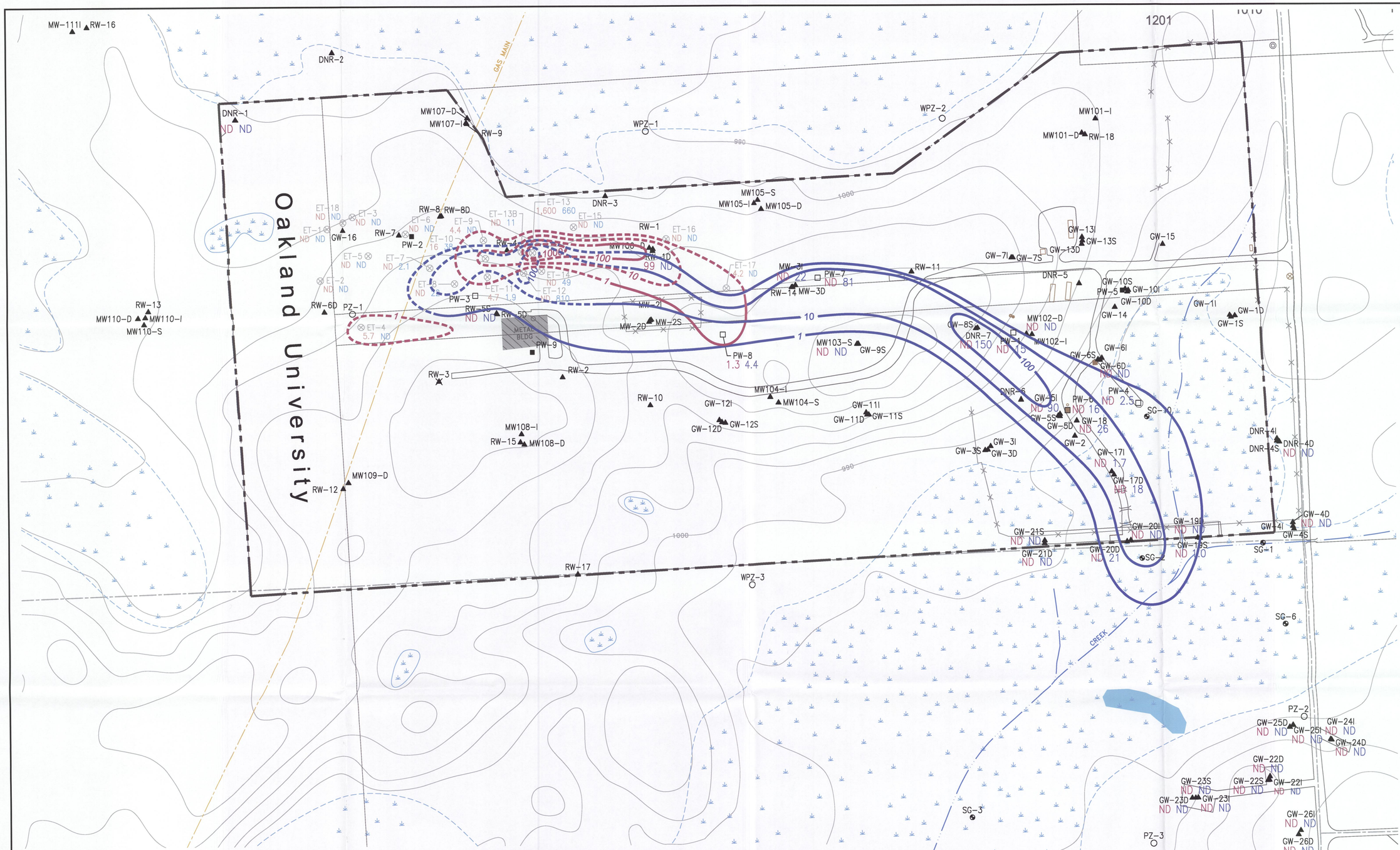
Copyright© EARTH TECH, Inc., All Rights Reserved

Earth Tech
A Tyco International Ltd. Company

Rose Township Demode Road
Holly, Michigan

Figure 3
Summary of Detected Volatile Organic Compounds
In Groundwater, September 2007

DATE	11/13/07
PROJECT NO	102244.01
FILENAME	96362_Q3 07 VOC_Flg3.dwg
SHEET NO	3 of 26
DRAWING NO	3



Explanation

- December 2006 Boring Location
- Groundwater Monitoring Well Location
- Destroyed Monitoring Well Location
- Active Extraction Well Location
- Inactive Extraction Well Location
- Piezometer Location (W=Wetland Piezometer)
- Surface Staff Gauge Location

Legend

- Center Line
- Property Line
- Section Line / Lot Line
- Fence Line
- Wetland with Delineation
- Creek Trend
- Gas Main
- Trichloroethene Isocontour [Dashed Where Inferred]
- Vinyl Chloride Isocontour [Dashed Where Inferred]
- 120 Trichloroethene Concentration in ug/L
- 160 Vinyl Chloride Concentration in ug/L

Note:

Data from the December 2006 Hot Spot Investigation are presented on this figure in lighter shades of blue and red.

References:

1. Source: State of Michigan, Department of Information Technology, Geographic Data Library, Copyright 2005. United States Geological Survey (U.S.G.S.) Digital Ortho Quarter Quadrangle Satellite Imagery, dated 1998. U.S.G.S. 1:24,000 Topographic Map, West Highland and Highland 7.5 Minute Quadrangles.
2. Groundwater Monitoring Well and Groundwater Piezometer Locations survey conducted by Rowe Surveyors, most recent survey April 12, 2006.
3. Other site feature locations field verified by Earth Tech, Inc. using GPS Pathfinder and Trimble Pro XR5 GPS equipment August 15, 2003.

NORTH

0 120 240

APPROXIMATE SCALE IN FEET

NO	REVISIONS	DRN	CHK	DATE

LIVONIA, MICHIGAN

DRN
DES
CHK
APP

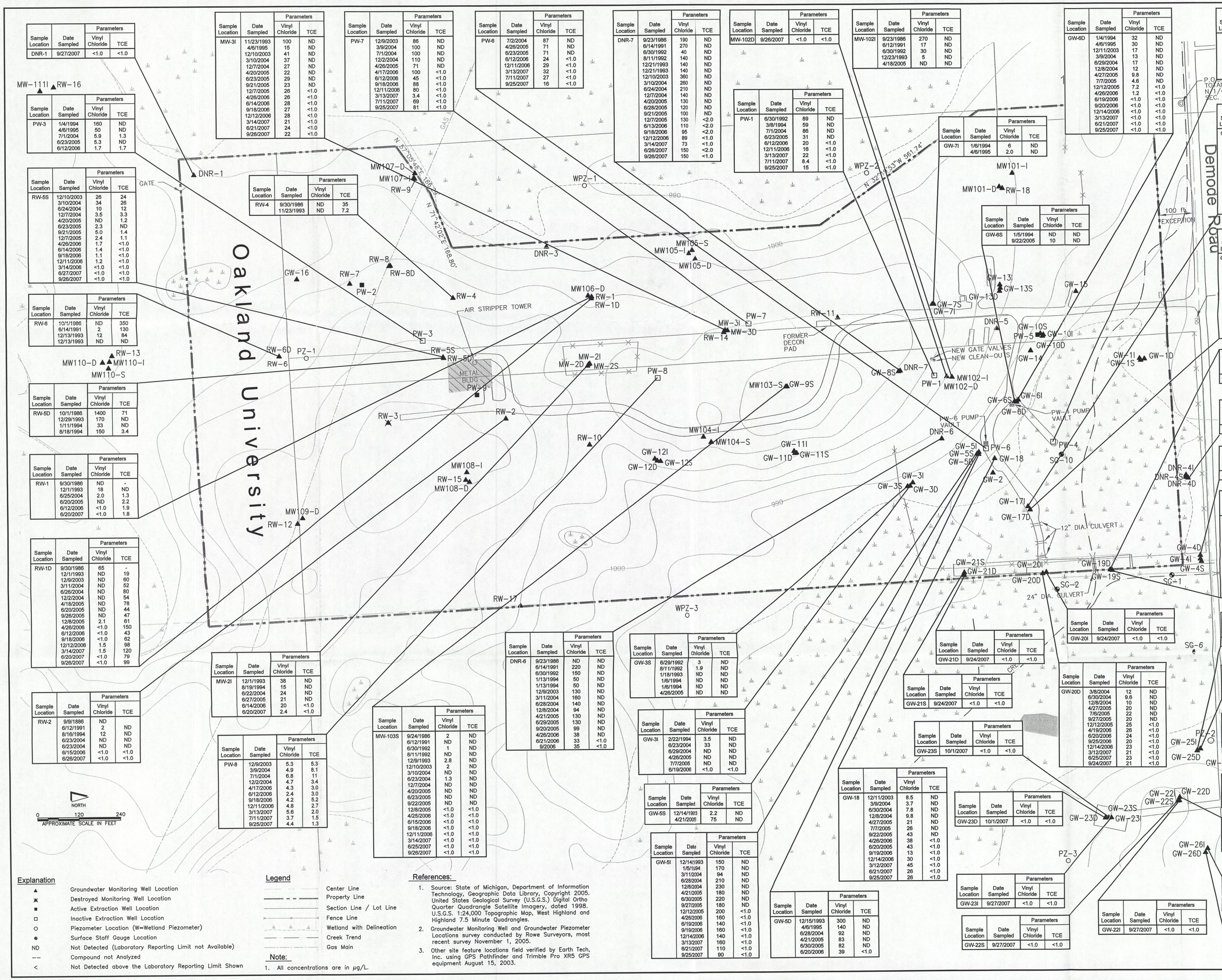
Copyright© EARTH TECH, Inc., All Rights Reserved

Earth Tech
A Tyco International Ltd. Company

Rose Township Demode Road
Holly, Michigan

Figure 4
TCE and Vinyl Chloride Isoconcentration Map
September 2007

DATE	11/16/07
PROJECT NO	96362.04
FILENAME	96362_Q3_2007_Fig4.dwg
SHEET NO	4 of 26
DRAWING NO	4



Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
DNR-1	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-3	1/4/1994	160	ND
	4/6/1995	50	ND
	7/1/2004	5.9	1.3
	6/23/2005	5.3	ND
	6/12/2006	1.7	1.7

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-5S	12/10/2003	26	24
	3/10/2004	34	26
	6/24/2004	10	12
	12/7/2004	3.5	3.3
	4/20/2005	ND	1.2
	6/23/2005	2.3	ND
	9/21/2005	5.0	1.4
	12/7/2005	2.4	1.1
	4/26/2006	1.7	<1.0
	6/14/2006	1.4	<1.0
	9/18/2006	1.1	<1.0
	12/11/2006	1.2	<1.0
	3/14/2006	<1.0	<1.0
	6/27/2007	<1.0	<1.0
	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-6	10/1/1986	ND	350
	6/14/1991	2	130
	12/13/1993	12	84
	12/13/1993	ND	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-5D	10/1/1986	1400	71
	12/29/1993	170	ND
	1/11/1994	33	ND
	8/18/1994	150	3.4

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-1	9/30/1986	ND	-
	12/1/1993	18	ND
	6/25/2004	2.0	1.3
	6/20/2005	ND	2.2
	6/12/2006	<1.0	1.9
	6/20/2007	<1.0	1.8

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-1D	9/30/1986	65	-
	12/1/1993	ND	19
	12/9/2003	ND	60
	3/11/2004	ND	52
	6/26/2004	ND	80
	12/2/2004	ND	54
	4/18/2005	ND	78
	6/20/2005	ND	44
	9/26/2005	ND	47
	12/8/2005	2.1	61
	4/26/2006	<1.0	150
	6/12/2006	<1.0	43
	9/18/2006	<1.0	62
	12/12/2006	1.5	98
	3/14/2007	1.5	120
	6/20/2007	<1.0	79
	9/26/2007	<1.0	99

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-2	9/9/1986	ND	
	6/12/1991	2	ND
	8/16/1994	12	ND
	6/23/2004	ND	ND
	6/23/2004	ND	ND
	6/15/2006	<1.0	<1.0
	6/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
MW-3I	11/23/1993	100	ND
	4/6/1995	15	ND
	12/10/2003	41	ND
	3/10/2004	37	ND
	12/7/2004	27	ND
	4/20/2005	22	ND
	6/23/2005	29	ND
	9/21/2005	23	ND
	12/7/2005	26	<1.0
	4/26/2006	26	<1.0
	6/14/2006	28	<1.0
	9/18/2006	27	<1.0
	12/12/2006	28	<1.0
	3/14/2007	21	<1.0
	6/21/2007	24	<1.0
	9/26/2007	22	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
RW-4	9/30/1986	ND	35
	11/23/1993	ND	7.2

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
MW-2I	12/1/1993	38	ND
	8/19/1994	15	ND
	6/22/2004	24	ND
	6/27/2005	21	ND
	6/14/2006	20	<1.0
	6/20/2007	2.4	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-8	12/9/2003	5.3	5.3
	3/9/2004	4.9	8.1
	7/1/2004	6.8	11
	12/2/2004	4.7	3.4
	4/17/2006	4.3	3.0
	6/12/2006	2.4	3.0
	9/18/2006	4.2	5.2
	12/11/2006	4.8	2.7
	3/13/2007	5.6	2.0
	7/11/2007	3.7	1.5
	9/25/2007	4.4	1.3

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-7	12/9/2003	86	ND
	3/9/2004	100	ND
	7/1/2004	100	ND
	12/2/2004	110	ND
	4/26/2005	71	ND
	4/17/2006	100	<1.0
	6/12/2006	45	<1.0
	9/18/2006	88	<1.0
	12/11/2006	80	<1.0
	3/13/2007	3.4	<1.0
	7/11/2007	69	<1.0
	9/25/2007	81	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
MW-103S	9/24/1986	2	ND
	6/12/1991	ND	ND
	6/30/1992	1	ND
	8/11/1992	ND	ND
	12/9/1993	2.8	ND
	12/10/2003	2	ND
	3/10/2004	ND	ND
	6/23/2004	1.3	ND
	12/7/2004	ND	ND
	4/20/2005	ND	ND
	6/23/2005	ND	ND
	9/22/2005	ND	ND
	12/8/2005	<1.0	<1.0
	4/25/2006	<1.0	<1.0
	6/15/2006	<1.0	<1.0
	9/18/2006	<1.0	<1.0
	12/11/2006	<1.0	<1.0
	3/14/2007	<1.0	<1.0
	6/25/2007	<1.0	<1.0
	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-6	7/2/2004	87	ND
	4/26/2005	71	ND
	6/23/2005	71	ND
	6/12/2006	24	<1.0
	12/11/2006	29	<1.0
	3/13/2007	32	<1.0
	7/11/2007	27	<1.0
	9/25/2007	16	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
DNR-6	9/23/1986	ND	ND
	6/14/1991	220	ND
	6/30/1992	150	ND
	1/13/1994	50	ND
	1/13/1994	50	ND
	12/9/2003	130	ND
	3/11/2004	160	ND
	6/28/2004	140	ND
	12/8/2004	94	ND
	4/21/2005	130	ND
	6/29/2005	130	ND
	9/20/2005	99	ND
	4/26/2006	38	ND
	6/21/2006	33	<1.0
	9/2006	35	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
DNR-7	9/23/1986	190	ND
	6/14/1991	270	ND
	6/30/1992	40	ND
	8/11/1992	140	ND
	12/21/1993	140	ND
	12/21/1993	140	ND
	12/10/2003	360	ND
	3/10/2004	260	ND
	6/24/2004	210	ND
	12/7/2004	140	ND
	4/20/2005	130	ND
	6/28/2005	120	ND
	9/21/2005	100	ND
	12/7/2005	130	<2.0
	6/13/2006	110	<2.0
	9/18/2006	95	<2.0
	12/12/2006	89	<1.0
	3/14/2007	73	<1.0
	6/26/2007	150	<2.0
	9/26/2007	150	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-3S	6/29/1992	3	ND
	8/11/1992	1.9	ND
	1/18/1993	ND	ND
	1/6/1994	ND	ND
	1/6/1994	ND	ND
	4/26/2005	ND	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-3I	2/22/1994	3.5	ND
	6/23/2004	33	ND
	6/29/2004	ND	ND
	4/26/2005	ND	ND
	7/7/2005	ND	ND
	6/19/2006	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-5S	12/14/1993	2.2	ND
	4/21/2005	75	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-5I	12/14/1993	150	ND
	1/5/1994	170	ND
	3/11/2004	94	ND
	6/28/2004	210	ND
	12/8/2004	230	ND
	4/21/2005	180	ND
	6/30/2005	220	ND
	9/27/2005	180	ND
	12/12/2005	200	<1.0
	4/26/2006	160	<1.0
	6/19/2006	140	<1.0
	9/19/2006	160	<1.0
	12/14/2006	140	<1.0
	3/13/2007	160	<1.0
	6/21/2007	110	<1.0
	9/25/2007	90	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-5D	12/15/1993	300	ND
	4/6/1995	140	ND
	6/28/2004	92	ND
	4/21/2005	83	ND
	6/30/2005	82	ND
	6/20/2006	39	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
MW-102D	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-1	6/30/1992	89	ND
	3/8/1994	59	ND
	7/1/2004	86	ND
	6/23/2005	31	ND
	6/12/2006	20	<1.0
	12/11/2006	16	<1.0
	3/13/2007	22	<1.0
	7/11/2007	8.4	<1.0
	9/25/2007	15	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
MW-102I	9/23/1986	270	ND
	6/12/1991	17	ND
	6/30/1992	30	ND
	12/23/1993	5	ND
	4/18/2005	ND	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-7I	1/6/1994	6	ND
	4/6/1995	2.0	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-6S	1/5/1994	ND	ND
	9/22/2005	10	ND

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-6D	1/4/1994	32	ND
	4/6/1995	30	ND
	12/11/2003	17	ND
	3/9/2004	13	ND
	6/29/2004	17	ND
	12/8/2004	12	ND
	4/27/2005	9.8	ND
	7/7/2005	4.6	ND
	12/12/2005	7.2	<1.0
	4/26/2006	1.2	<1.0
	6/19/2006	<1.0	<1.0
	9/20/2006	<1.0	<1.0
	12/14/2006	<1.0	<1.0
	3/13/2007	<1.0	<1.0
	6/21/2007	<1.0	<1.0
	9/25/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
PW-4	7/1/2004	7.7	ND
	6/23/2005	2.4	1.7
	6/12/2006	3.7	<1.0
	12/11/2006	2.1	<1.0
	3/13/2007	1.9	<1.0
	7/11/2007	1.8	<1.0
	9/25/2007	2.5	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-17I	12/11/2003	5.7	ND
	3/9/2004	14	ND
	6/30/2004	10	ND
	12/8/2004	6.4	ND
	4/27/2005	6.9	ND
	7/6/2005	6.5	ND
	9/22/2005	24	ND
	4/26/2006	19	<1.0
	6/19/2006	9	<1.0
	9/19/2006	9.4	<1.0
	12/14/2006	9	<1.0
	3/12/2007	3.3	<1.0
	6/26/2007	2.8	<1.0
	9/25/2007	1.7	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-17D	12/11/2003	23	ND
	3/9/2004	28	ND
	6/30/2004	30	ND
	12/8/2004	28	ND
	4/27/2005	32	ND
	7/6/2005	39	ND
	9/27/2005	22	ND
	4/26/2006	20	<1.0
	6/19/2006	20	<1.0
	9/19/2006	21	<1.0
	12/14/2006	23	<1.0
	3/12/2007	23	<1.0
	6/26/2007	21	<1.0
	9/24/2007	18	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-19D	9/24/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
DNR-4D	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-4D	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-19S	3/8/2004	36	ND
	6/30/2004	ND	ND
	12/8/2004	10	ND
	4/27/2005	8.8	ND
	7/6/2005	8.4	ND
	9/27/2005	12	ND
	4/19/2006	7.5	<1.0
	6/20/2006	5.6	<1.0
	9/25/2006	2.6	<1.0
	12/14/2006	2.3	<1.0
	3/12/2007	1.7	<1.0
	6/25/2007	1.2	<1.0
	9/24/2007	1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-20I	9/24/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-21D	9/24/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-21S	9/24/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-20D	3/8/2004	12	ND
	6/30/2004	9.6	ND
	12/8/2004	10	ND
	4/27/2005	20	ND
	7/6/2005	22	ND
	9/27/2005	20	ND
	12/12/2005	25	<1.0
	4/19/2006	26	<1.0
	6/20/2006	24	<1.0
	9/25/2006	20	<1.0
	12/14/2006	23	<1.0
	3/12/2007	21	<1.0
	6/25/2007	23	<1.0
	9/24/2007	21	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-25D	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-25I	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
9/27/2007	9/26/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-24D	10/1/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-22D	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-26D	10/1/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-26I	10/1/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-23D	10/1/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-23I	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-22S	9/27/2007	<1.0	<1.0

Sample Location	Date Sampled	Parameters: Vinyl Chloride	Parameters: TCE
GW-22I	9/27/2007	<1.0	<1.0

Explanation

- ▲ Groundwater Monitoring Well Location
- ✖ Destroyed Monitoring Well Location
- ■ Active Extraction Well Location
- □ Inactive Extraction Well Location
- ○ Piezometer Location (W=Wetland Piezometer)
- ● Surface Staff Gauge Location
- ND Not Detected (Laboratory Reporting Limit not Available)
- -- Compound not Analyzed
- < Not Detected above the Laboratory Reporting Limit Shown

Legend

- Center Line
- Property Line
- Section Line / Lot Line
- Fence Line
- Wetland with Delineation
- Creek Trend
- Gas Main

Note:

1. All concentrations are in µg/L.

References:

1. Source: State of Michigan, Department of Information Technology, Geographic Data Library, Copyright 2005. United States Geological Survey (U.S.G.S.) Digital Ortho Quarter Quadrangle Satellite Imagery, dated 1998. U.S.G.S. 1:24,000 Topographic Map, West Highland and Highland 7.5 Minute Quadrangles.
2. Groundwater Monitoring Well and Groundwater Piezometer Locations survey conducted by Rowe Surveyors, most recent survey November 1, 2005.
3. Other site feature locations field verified by Earth Tech, Inc. using GPS Pathfinder and Trimble Pro XR5 GPS equipment August 15, 2003.

REVISIONS	DRN	CHK	DATE

LIVONIA, MICHIGAN

DRN	DES	CHK	APP

Copyright© EARTH TECH, Inc., All Rights Reserved

NO

Earth Tech
A Tyco International Ltd. Company

Rose Township Demode Road
Holly, Michigan

Figure 5
Summary of Historical TCE and VC Concentrations In Groundwater

DATE	11/15/07
PROJECT NO	96362.04
FILENAME	89861_Q3_2007_Fig5.dwg
SHEET NO	5 of 26
DRAWING NO	5

FIGURE 6
DNR-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

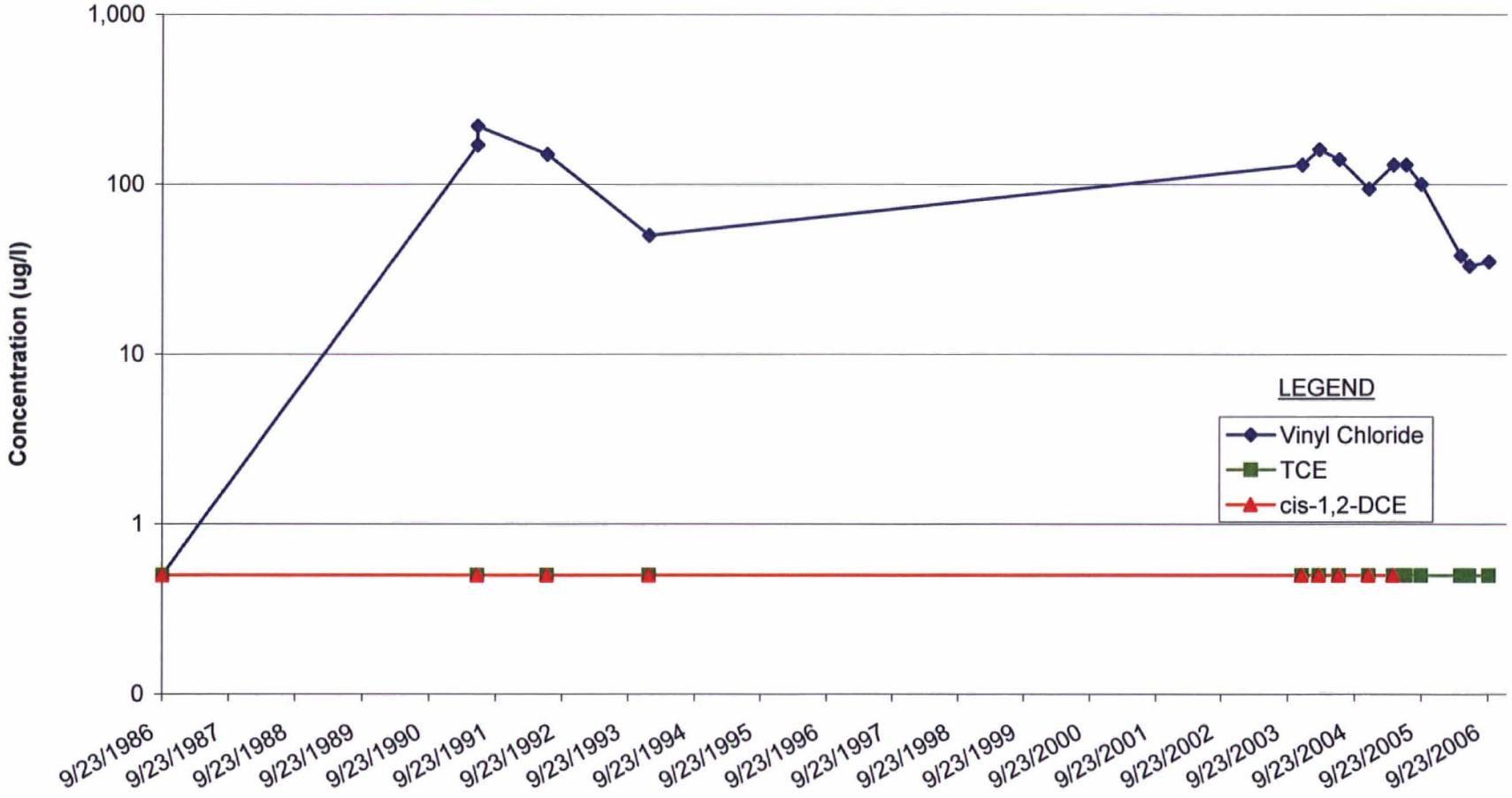


FIGURE 7
DNR-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

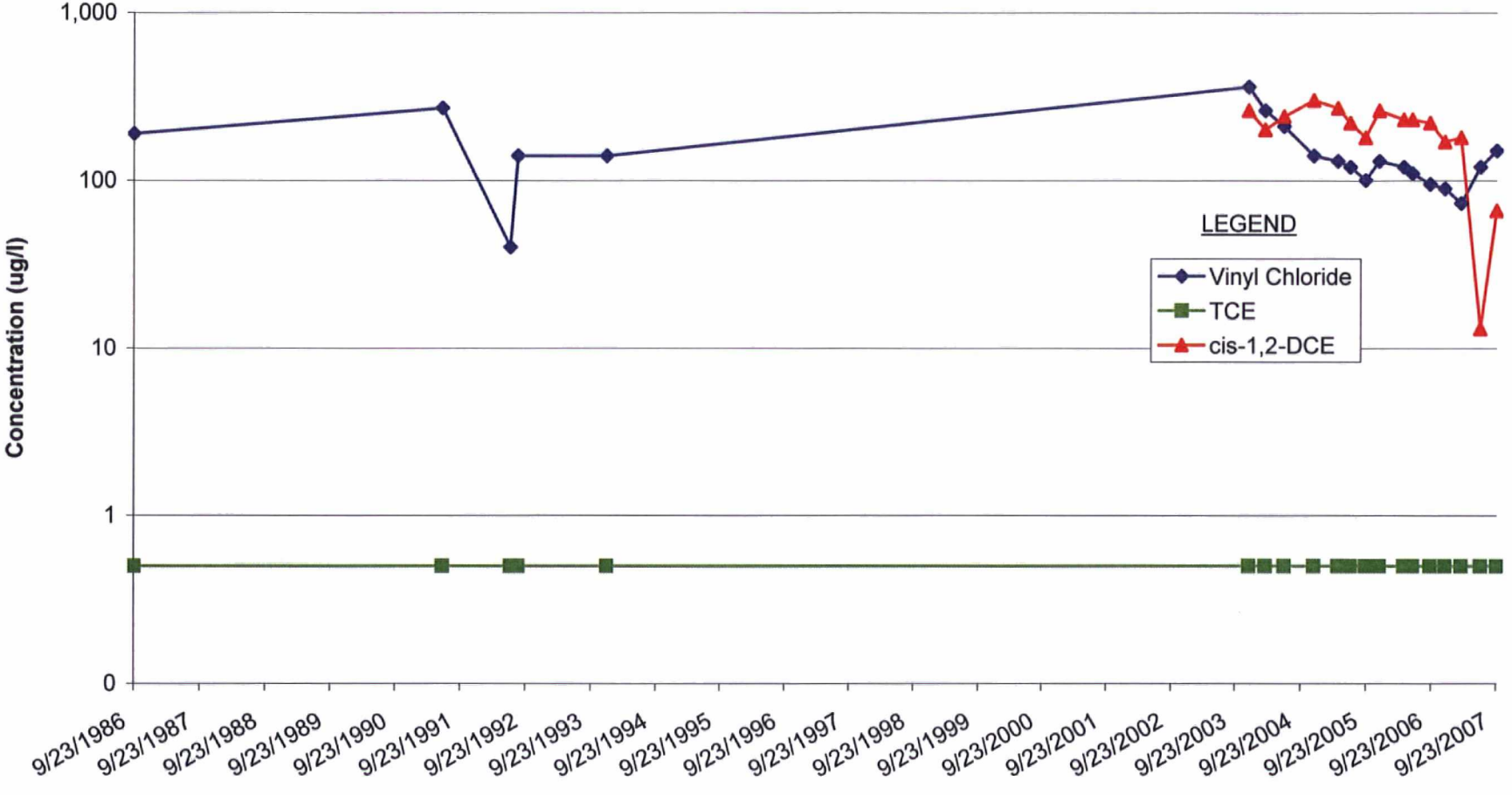


FIGURE 9
GW-5D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

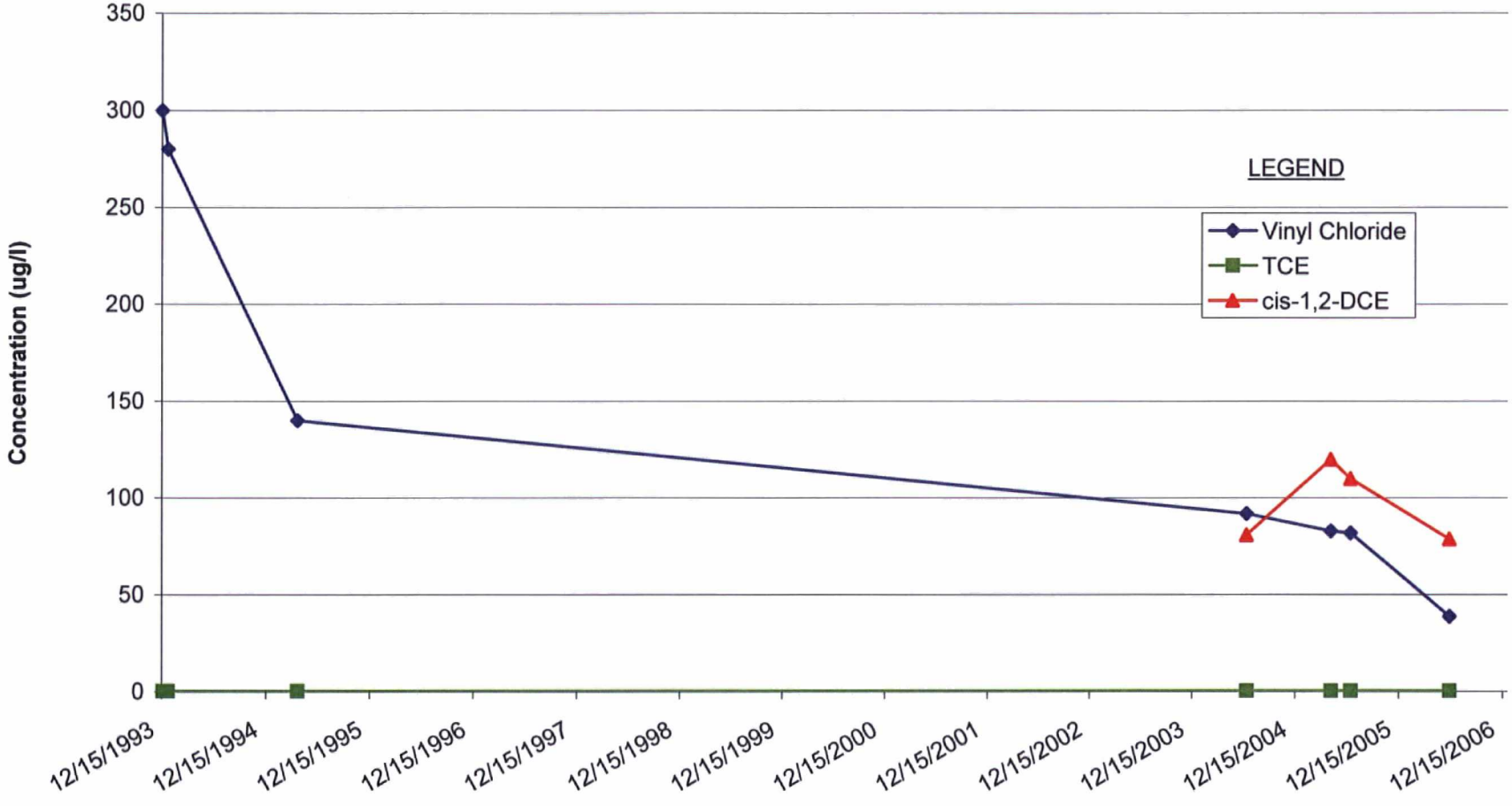


FIGURE 8
GW-5I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

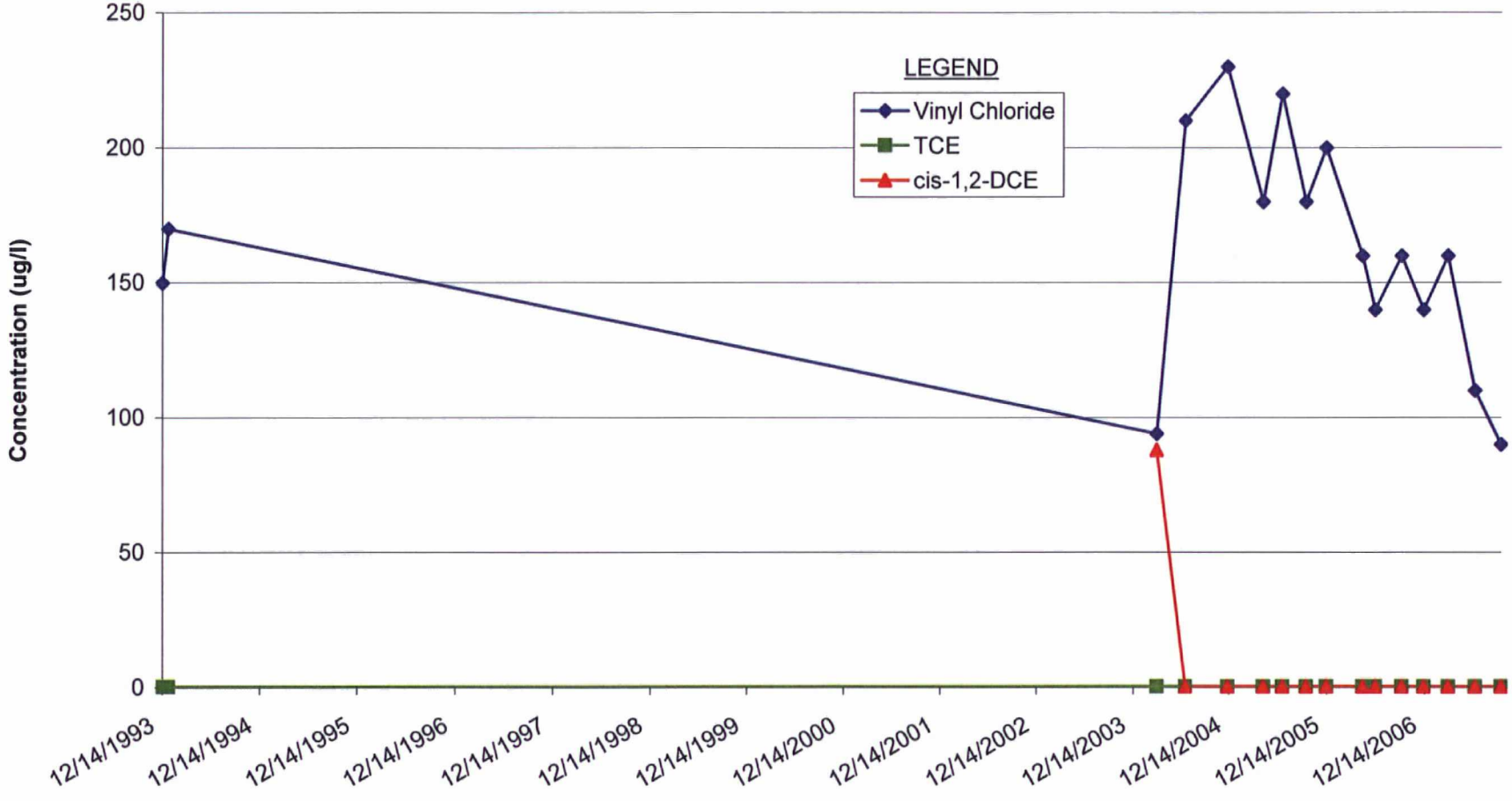


FIGURE 10
GW-6D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Annual Monitoring Event
Rose Township Site
Holly, Michigan

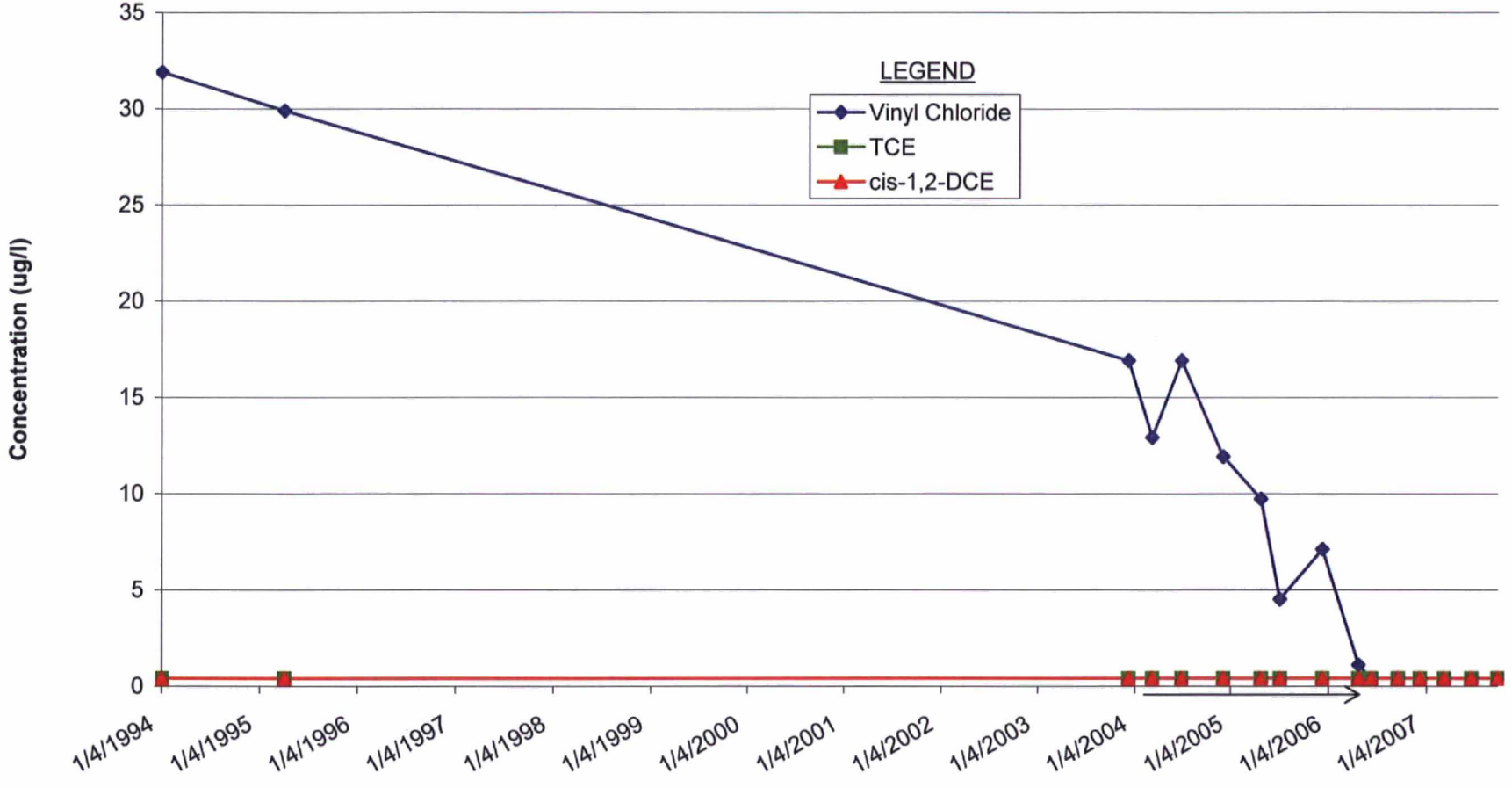


FIGURE 11
GW-17I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

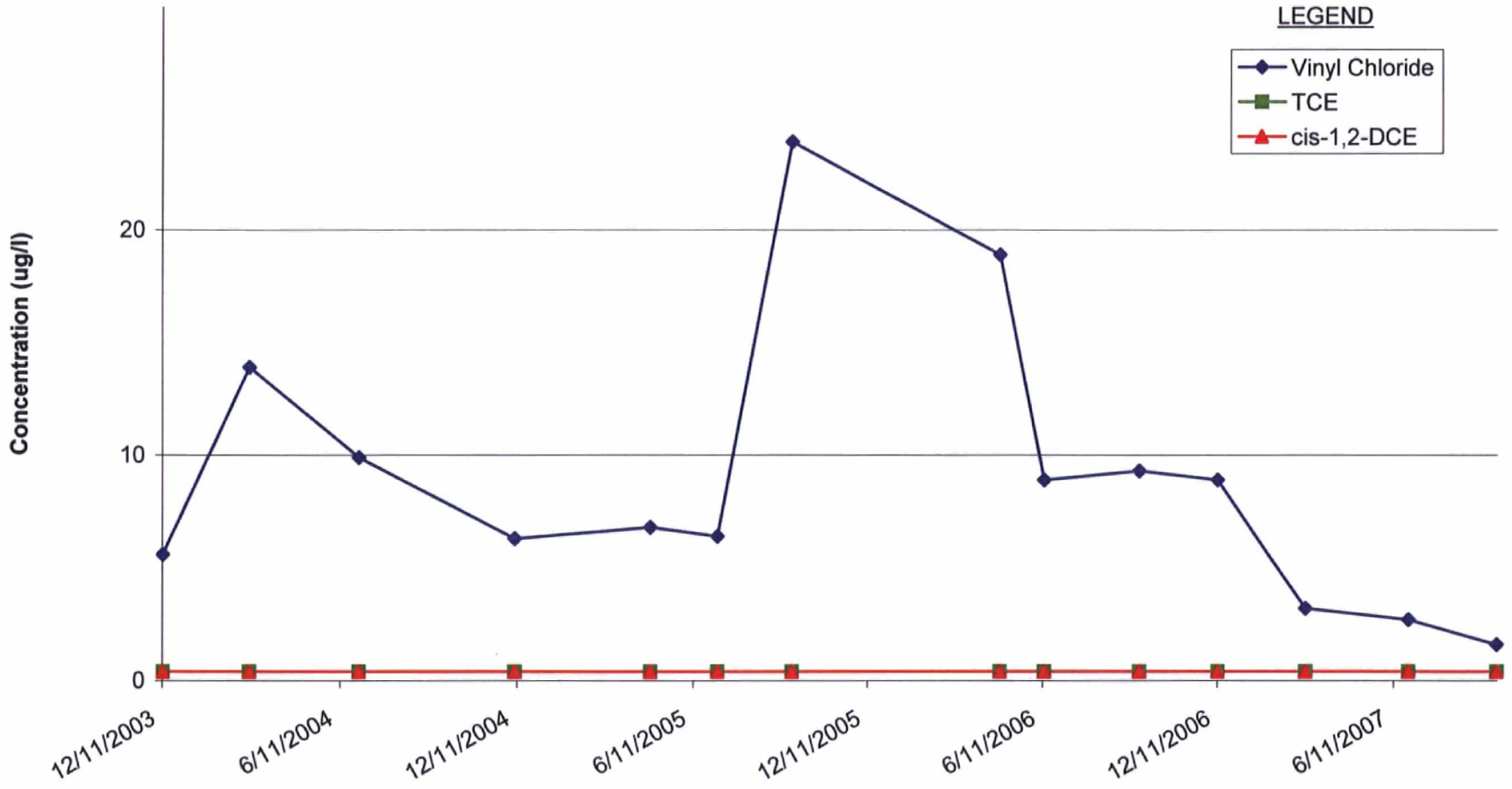


FIGURE 12
GW-17D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 13
GW-18
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

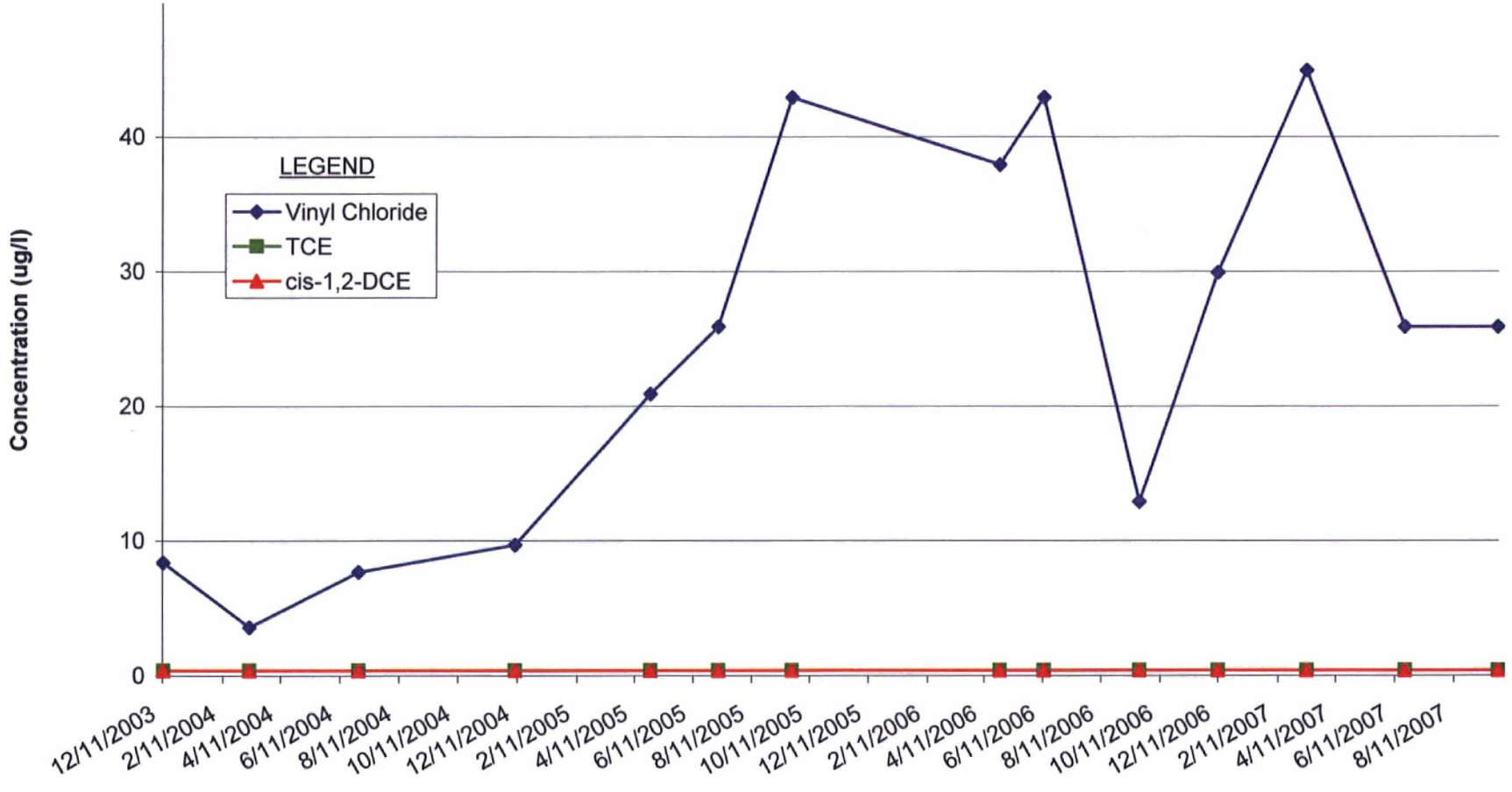


FIGURE 14
GW-19S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

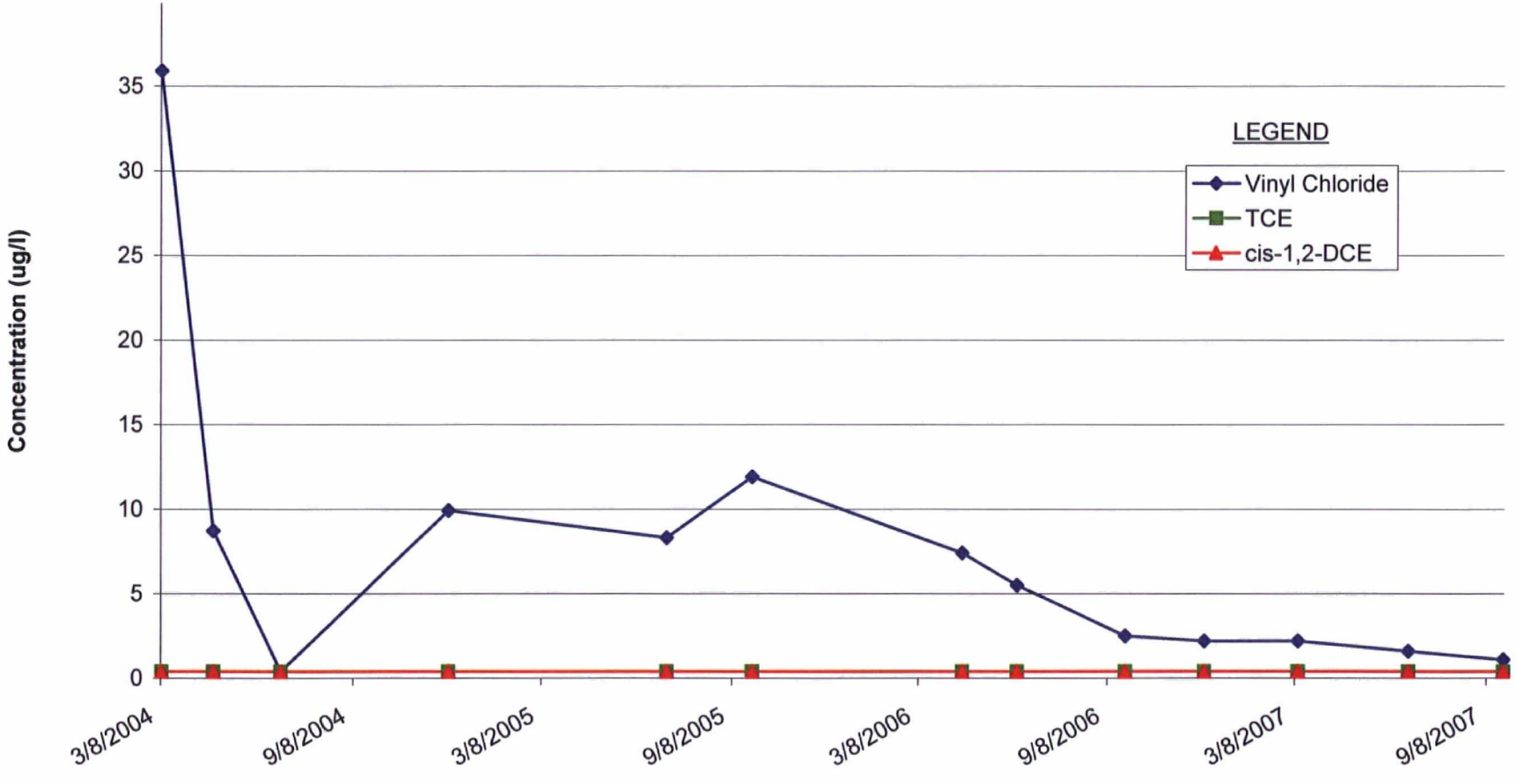


FIGURE 15
GW-20D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

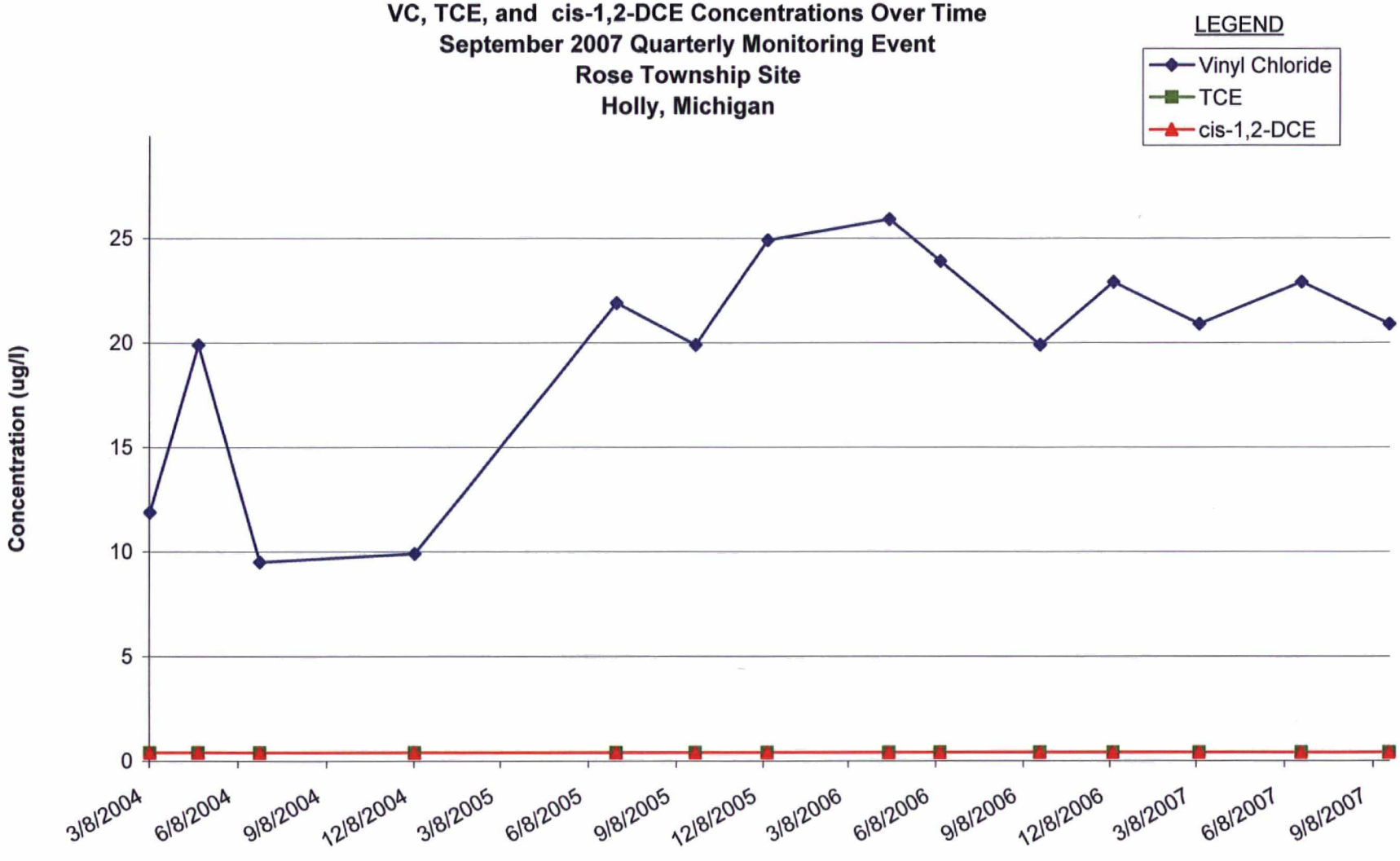


FIGURE 16
MW-2I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

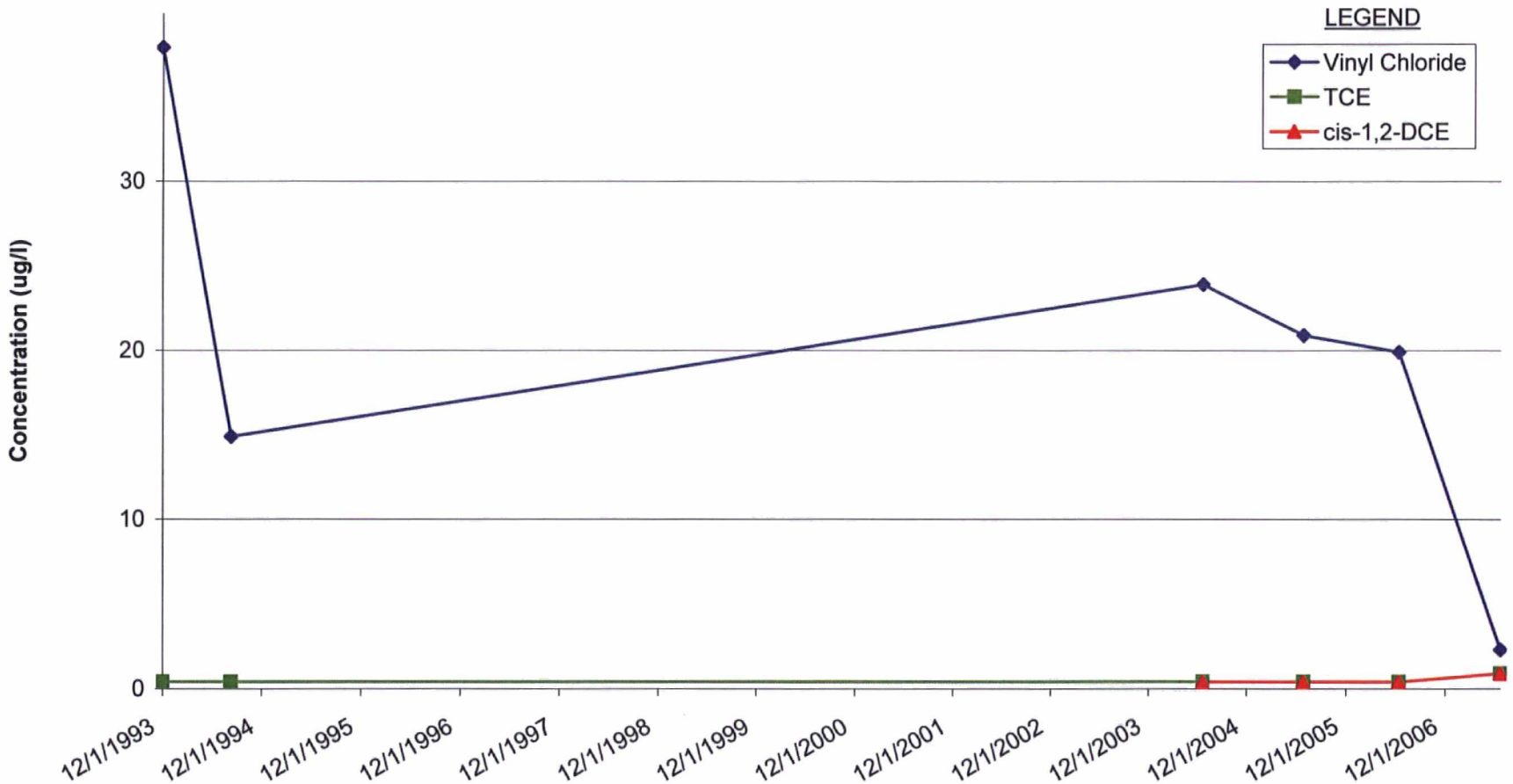


FIGURE 17
MW-3I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

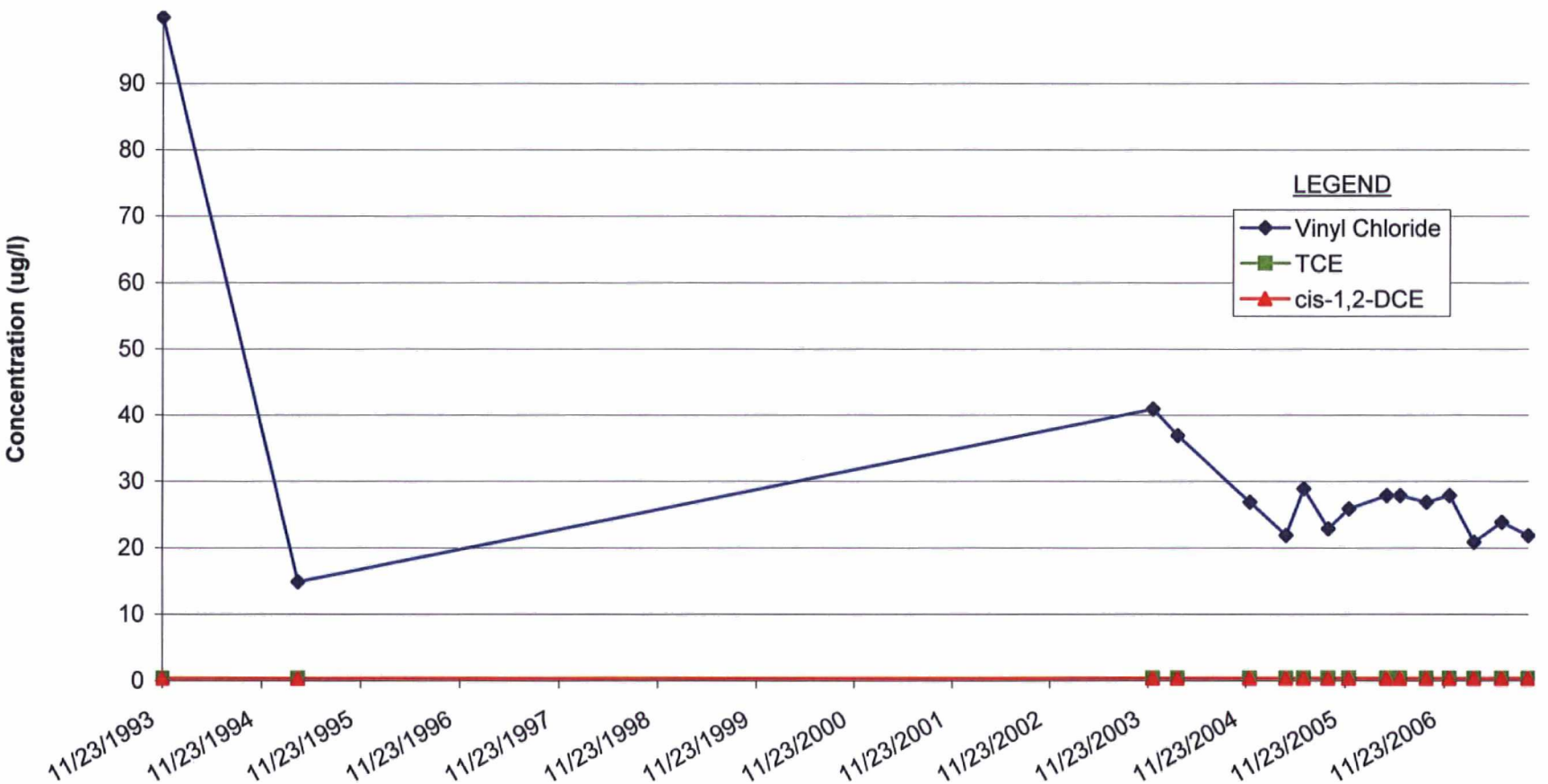


FIGURE 18
MW-103S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

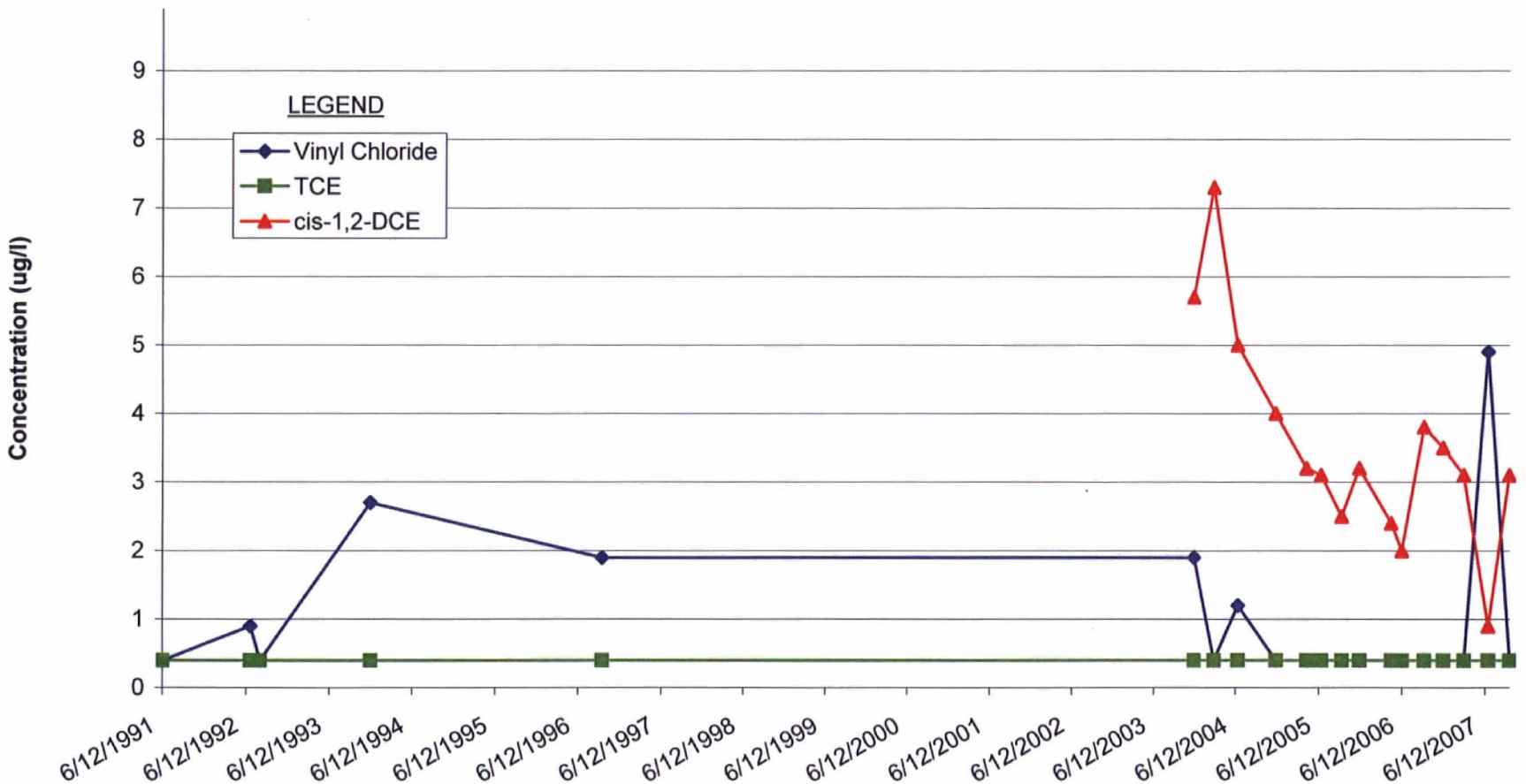


FIGURE 19
RW-1D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

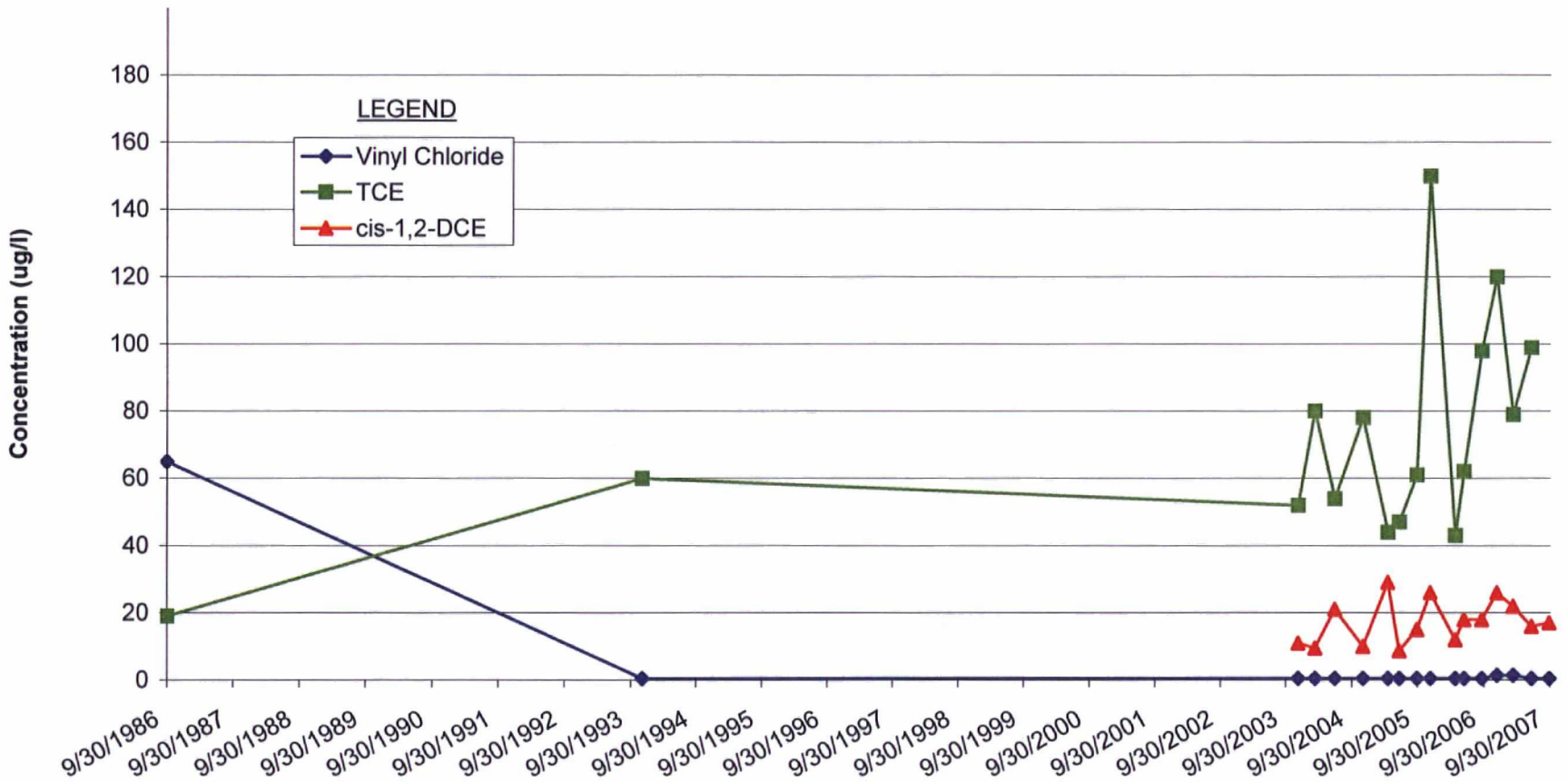


FIGURE 20
RW-5S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

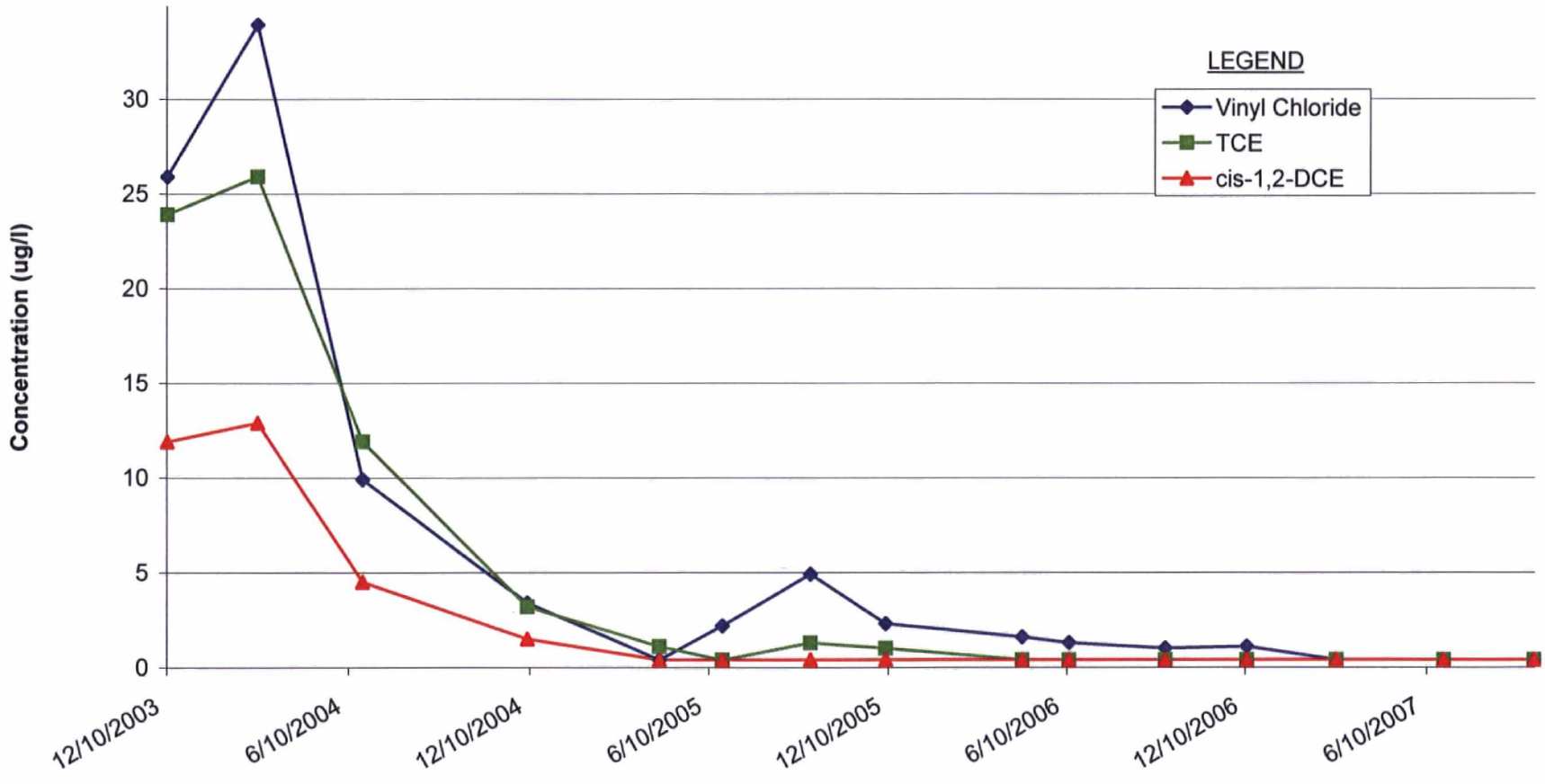


FIGURE 21
RW-5D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

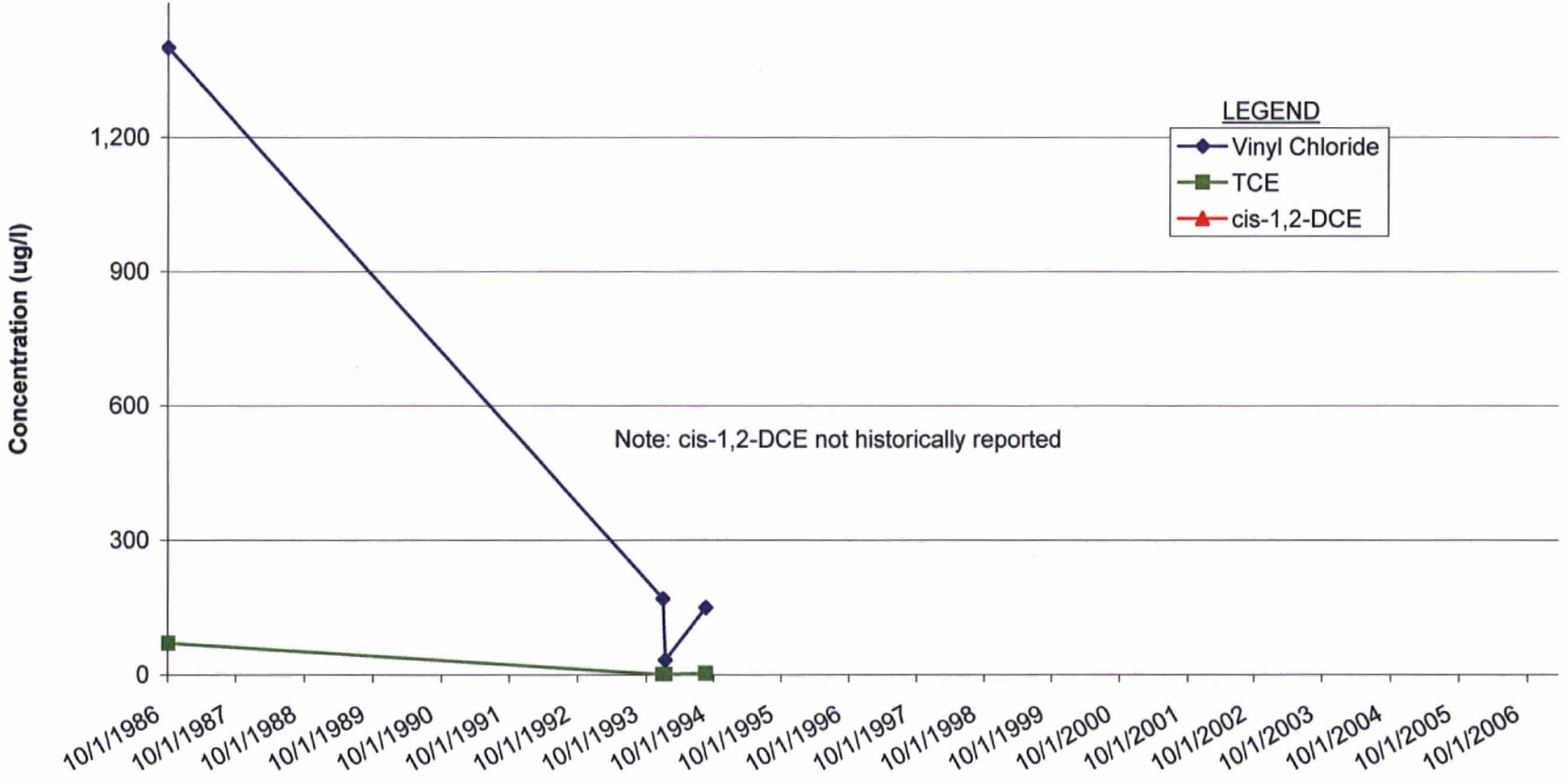


FIGURE 22
PW-1
VC, TCE and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

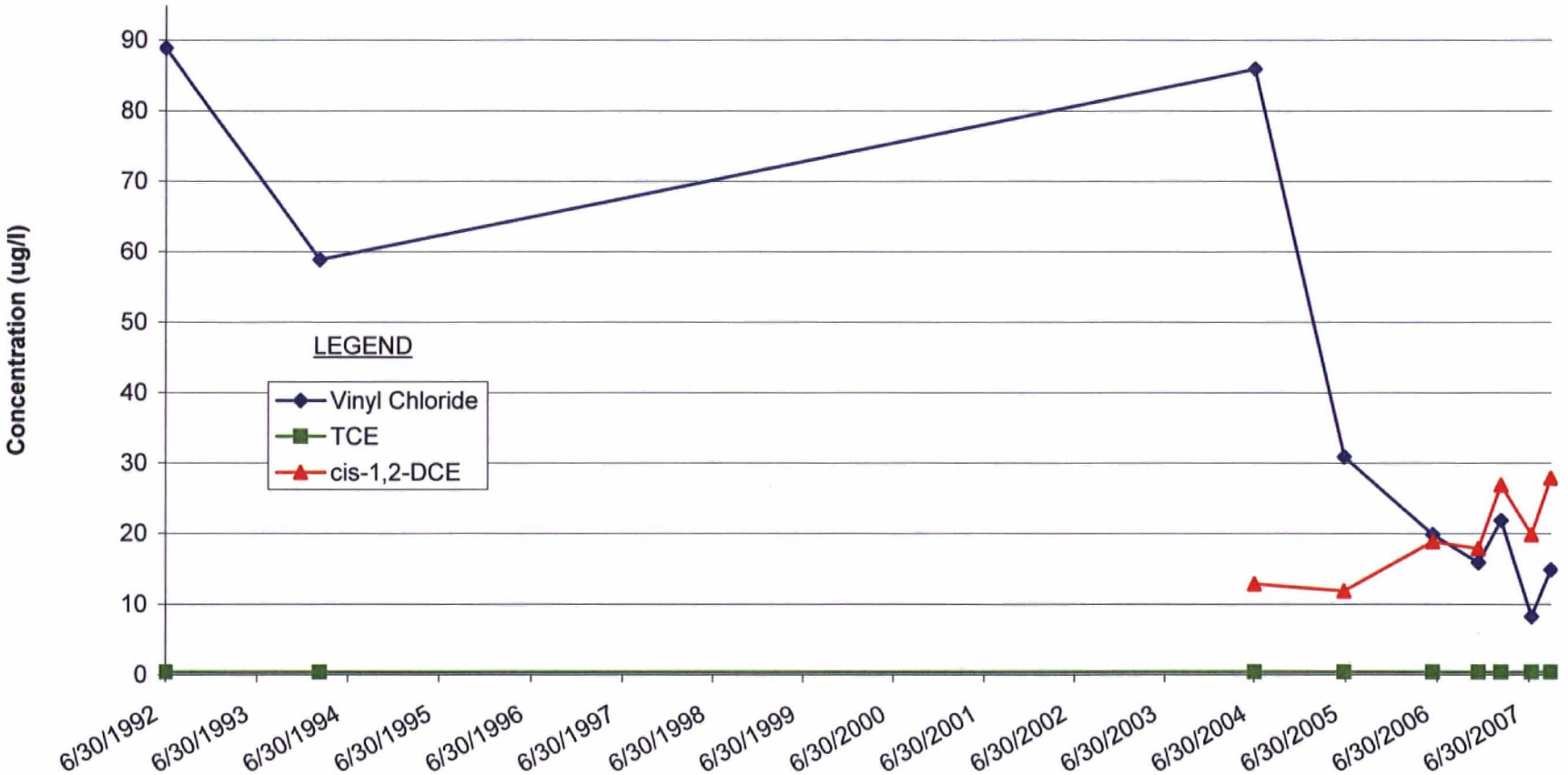


FIGURE 23
PW-3
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

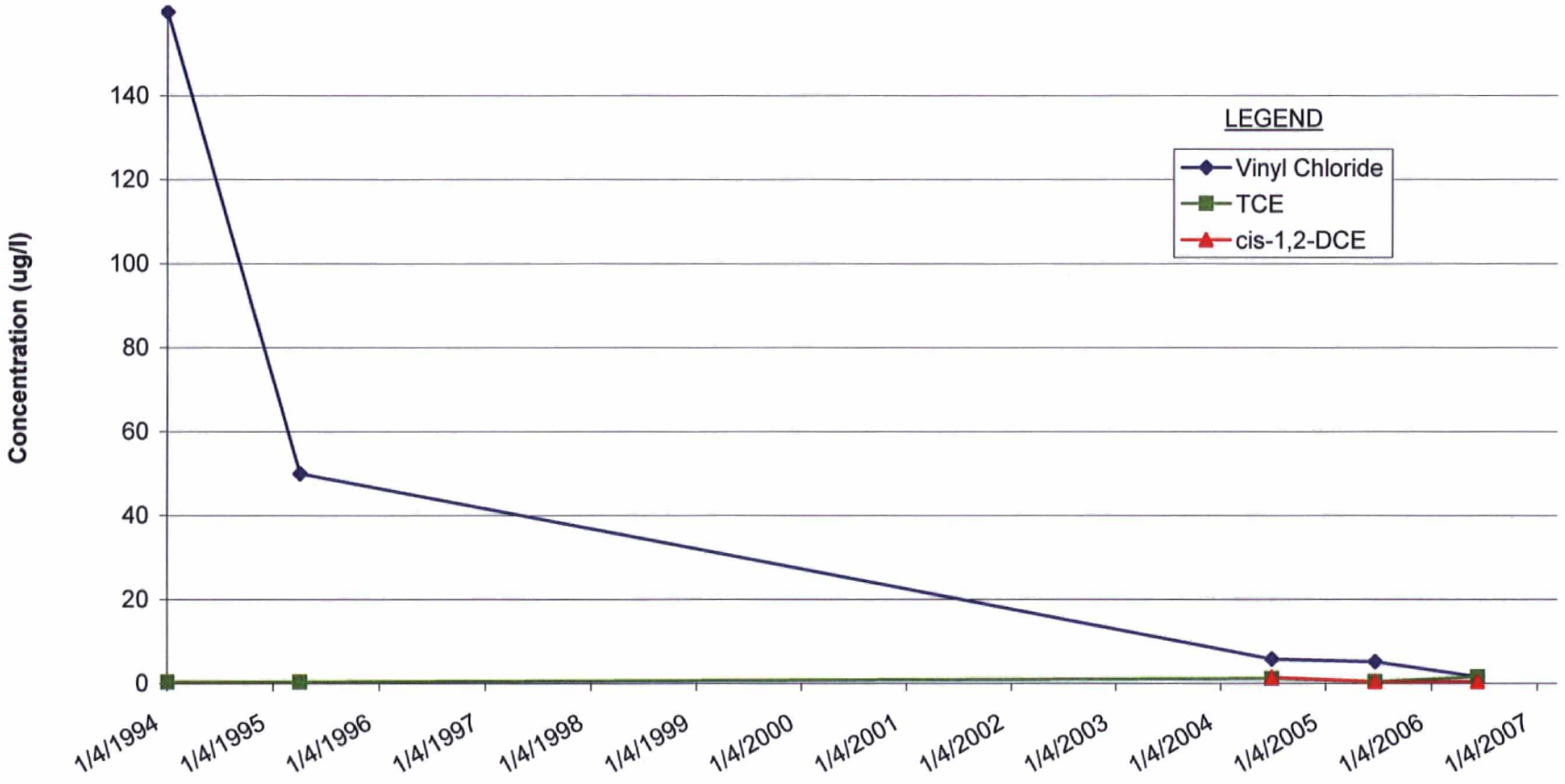


FIGURE 24
PW-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

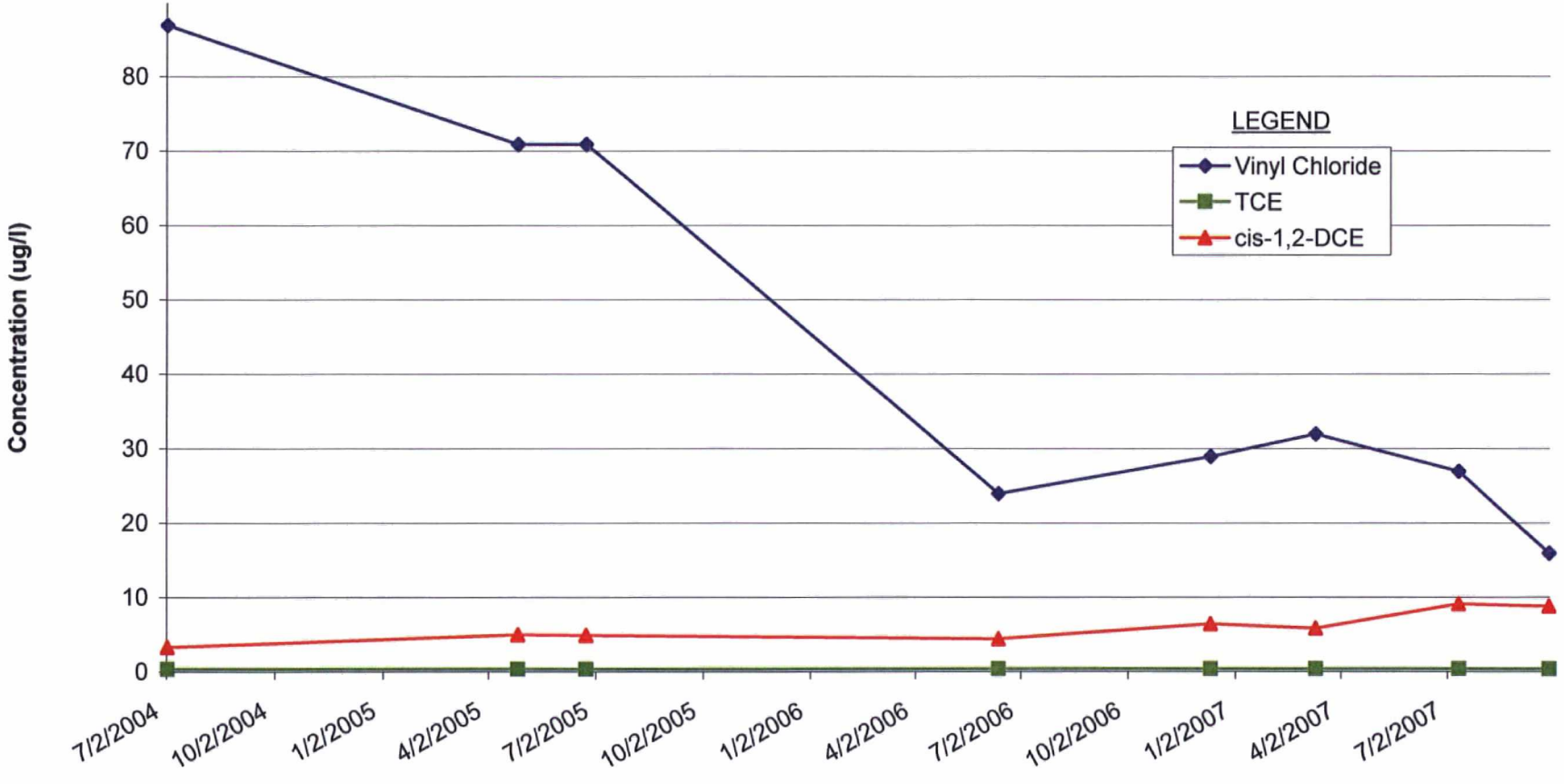


FIGURE 25
PW-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

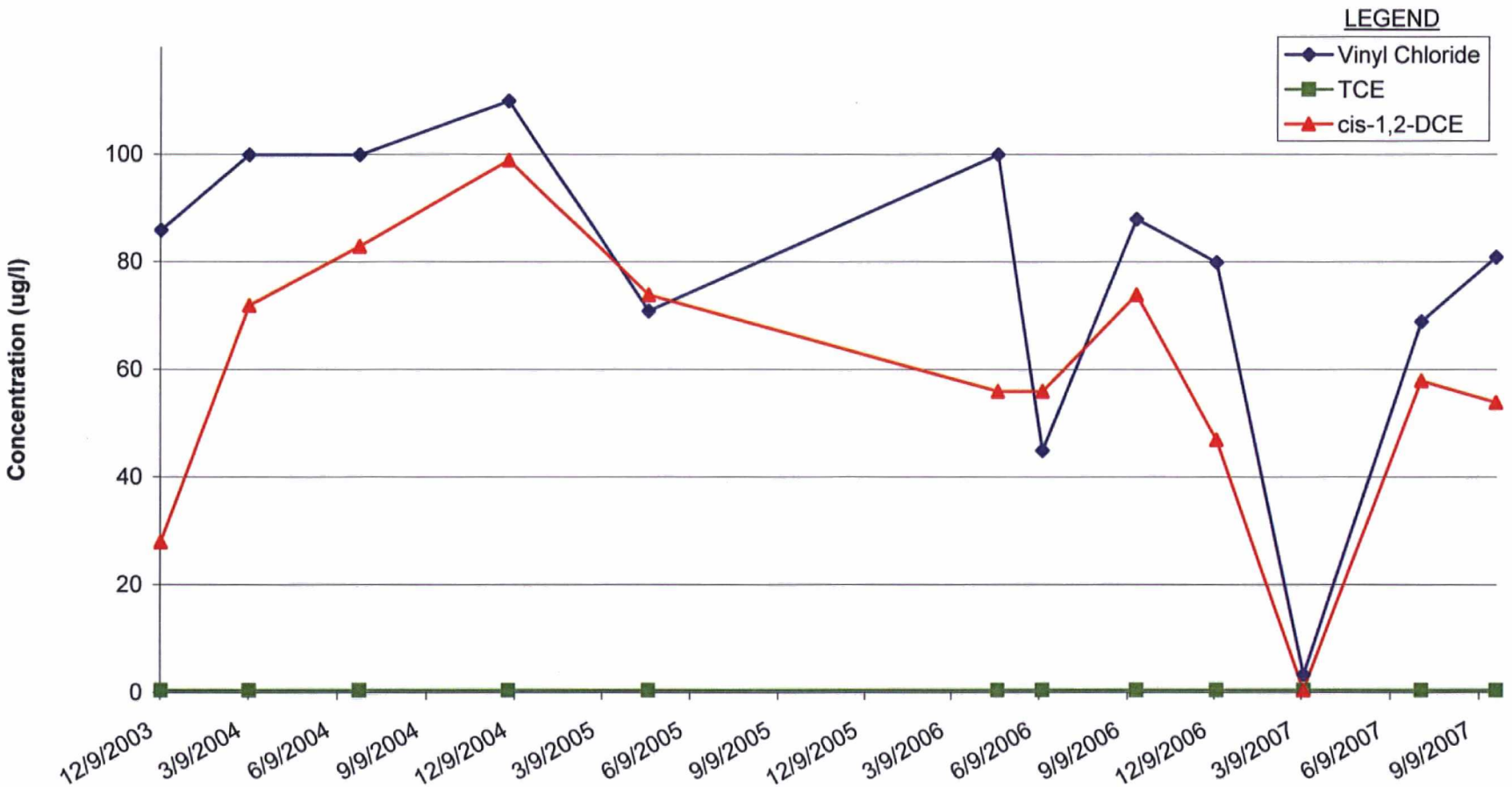
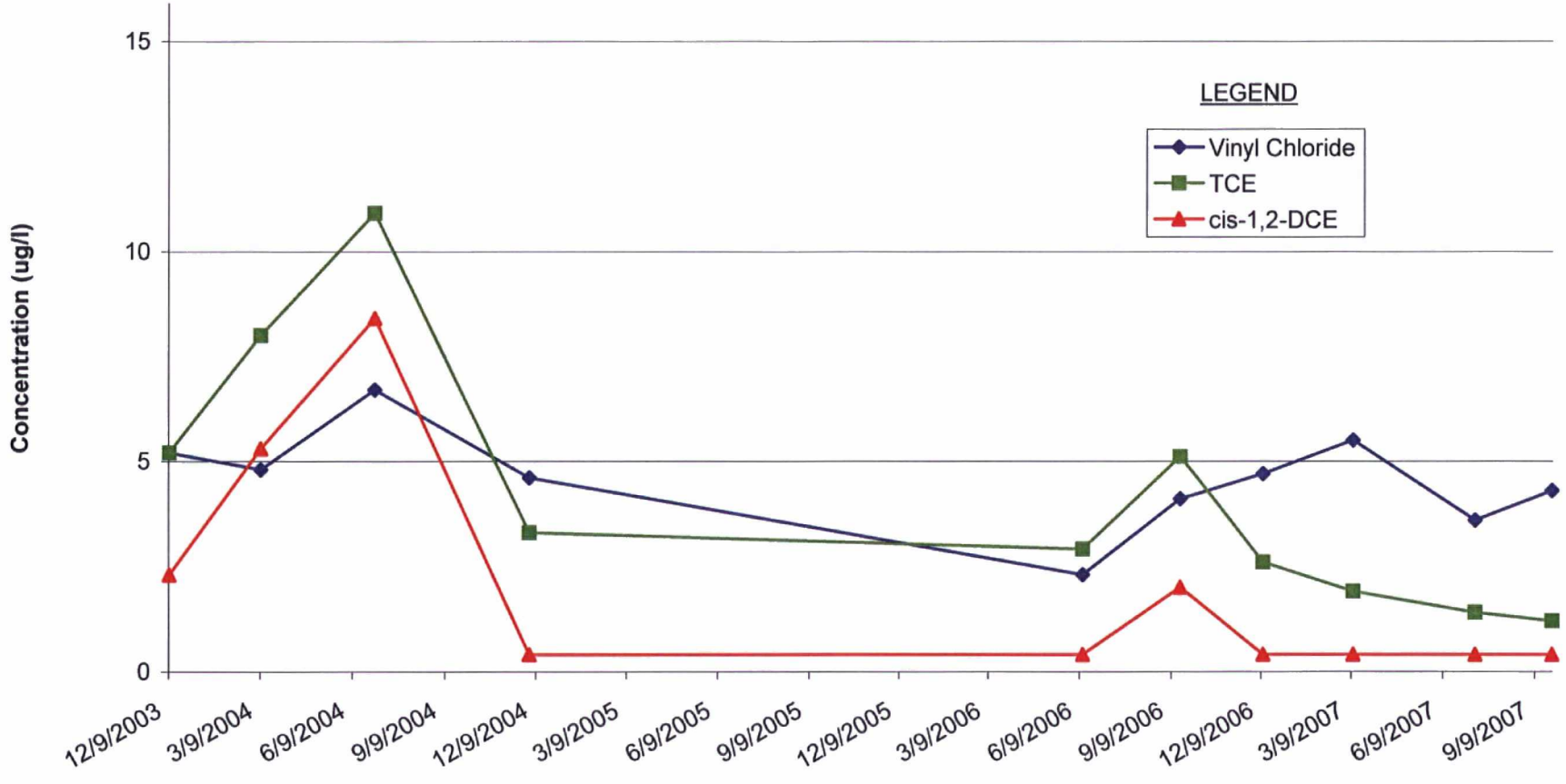
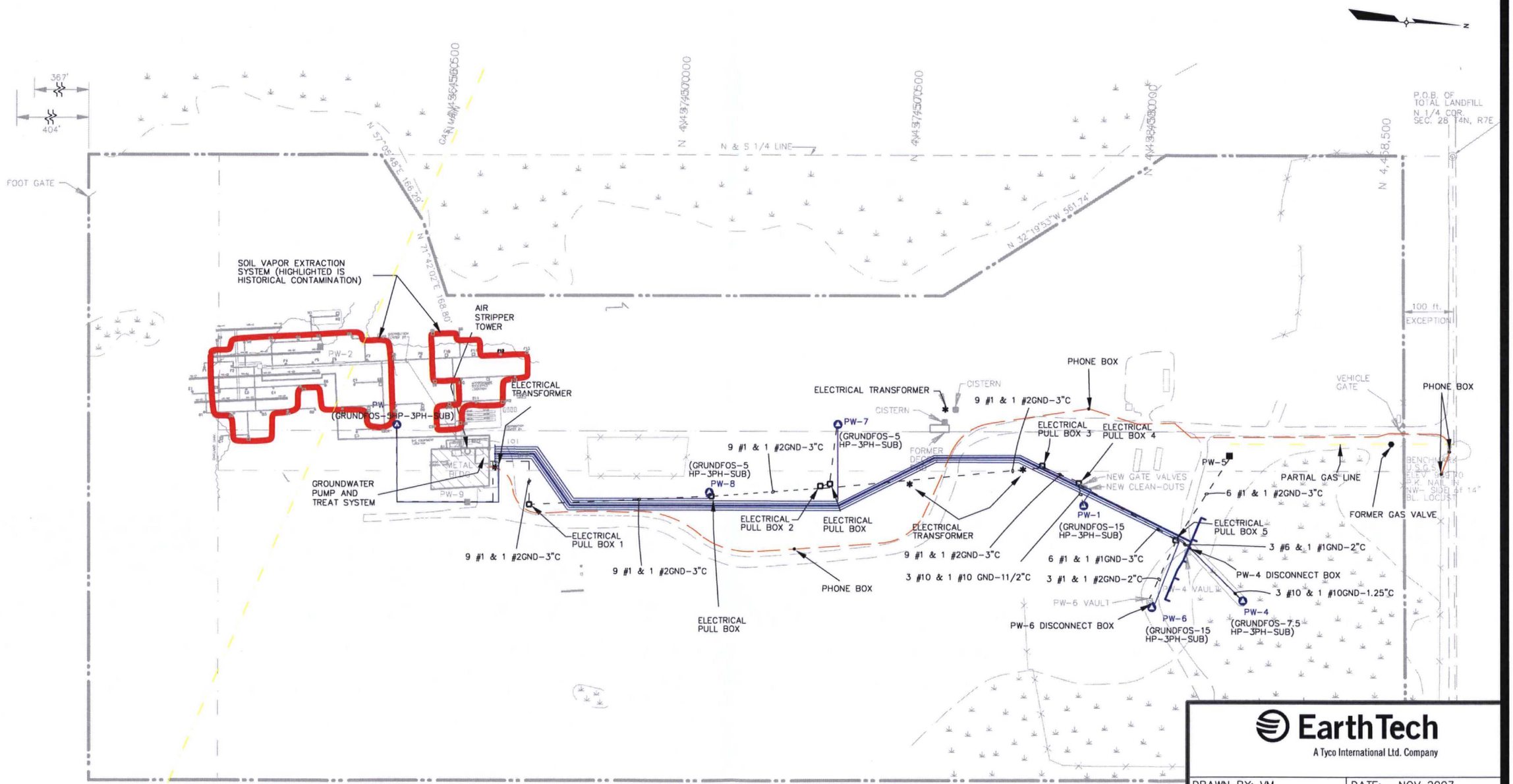


FIGURE 26
PW-8
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2007 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan





LEGEND:

- SECTION LINE
- PROPERTY LINE
- LOT LINE
- FENCE LINE
- WETLAND
- PHONE BOX
- EXISTING ACTIVE EXTRACTION WELL
- EXISTING INACTIVE EXTRACTION WELL
- ELECTRICAL PULL BOXES
- GAS TRANSMISSION LINE
- PHONE LINE
- ELECTRICAL TRANSMISSION LINE

EarthTech
A Tyco International Ltd. Company

DRAWN BY: VM	DATE: NOV 2007
CHECKED BY:	EDITED BY: BJE
FILE NAME: 96362_Q3_2007_Fig27.dwg	

FIGURE 27

SVE AND GROUNDWATER SYSTEMS LOCATION MAP

ROSE TOWNSHIP
HOLLY, MICHIGAN

PROJECT NUMBER 96362	SCALE: NTS

Tables

Table 1
Summary of Groundwater Level Elevations
Rose Township Demode Road Site
Holly, Michigan

Well ID	Northing	Easting	Top of Casing Elevation (ft. AMSL)	Ground Surface (ft. BTOC)	Ground Surface Elevation (ft. AMSL)	Screened Interval Screen Minimum Depth (ft. BGS)	Screened Interval Screen Maximum Depth (ft. BGS)	Screen Length (feet)	Screened Interval Screen Minimum Depth (ft. AMSL)	Screened Interval Screen Maximum Depth (ft. AMSL)	Total Depth (ft. BGS)	Total Depth (ft. AMSL)	Flowing Well	September-07 Water Level Measurement (ft ATOC)	September-07 Head Elevation (ft AMSL)
DNR-1	444677.19	13319929.47	1000.65	-3.35	1004.00	51.0	53.0	2.0	953.0	951.0	53.0	951.0	Yes	1.79	1002.44
DNR-2	444939.57	13319748.06	997.33	-3.27	1000.60	93.0	95.0	2.0	907.6	905.6	95.0	905.6	Yes	4.28	1001.61
DNR-3	445688.24	13320139.49	996.92	-5.48	1002.40	82.0	84.0	2.0	920.4	918.4	84.0	918.4	Yes	NM	
DNR-4S	447532.39	13320808.49	981.20	2.50	978.70	48.0	53.0	5.0	930.7	925.7	53.0	925.7	Yes	11.27	992.47
DNR-4I	447532.60	13320802.39	981.33	2.00	979.33	79.0	84.0	5.0	900.3	895.3	84.0	895.3	Yes	11.45	992.78
DNR-4D	447539.01	13320810.89	978.50	-0.60	979.10	116.0	118.0	2.0	863.1	861.1	118.0	861.1	Yes	13.55	992.05
DNR-5	446988.03	13320380.71	998.14	-3.56	1001.70	97.0	99.0	2.0	904.7	902.7	99.0	902.7	Yes	-3.17	994.97
DNR-6	446826.83	13320695.53	996.58	4.02	992.56	68.0	70.0	2.0	924.6	922.6	70.0	922.6	Yes	-57.63	938.95
DNR-7	446708.57	13320500.96	1031.85	-0.35	1032.20	79.0	81.0	2.0	953.2	951.2	81.0	951.2	No	-37.07	994.78
GW-1S	447405.64	13320473.72	980.33	2.63	977.70	NA	NA	NA	NA	NA	NA	NA	Yes	12.28	992.61
GW-1I	447402.39	13320468.56	979.91	3.00	976.91	91.0	96.0	5.0	885.9	880.9	96.0	880.9	Yes	12.41	992.32
GW-1D	447416.34	13320470.01	980.48	2.75	977.73	122.0	127.0	5.0	855.7	850.7	127.0	850.7	Yes	14.90	995.38
GW-2	446973.75	13320794.04	981.34	3.00	978.34	40.5	45.5	5.0	937.8	932.8	45.5	932.8	Yes	9.80	991.14
GW-3S	446734.78	13320830.55	990.87	3.00	987.87	62.0	67.0	5.0	925.9	920.9	67.0	920.9	Yes	3.09	993.96
GW-3I	446734.78	13320830.55	991.13	2.50	988.63	79.5	84.5	5.0	909.1	904.1	84.5	904.1	Yes	3.04	994.17
GW-3D	446734.78	13320830.55	990.60	2.00	988.60	98.0	103.0	5.0	890.6	885.6	103.0	885.6	Yes	3.60	994.20
GW-4S	447577.63	13321047.35	978.23	2.67	975.56	58.0	63.0	5.0	917.6	912.6	63.0	912.6	Yes	11.31	989.54
GW-4I	447574.64	13321040.42	977.35	2.75	974.60	85.0	90.0	5.0	889.6	884.6	90.0	884.6	Yes	15.08	992.43
GW-4D	447574.24	13321030.39	977.27	2.67	974.60	109.0	114.0	5.0	865.6	860.6	114.0	860.6	Yes	15.15	992.42
GW-5S	446928.46	13320739.18	983.89	1.50	982.39	52.0	57.0	5.0	930.4	925.4	57.0	925.4	Yes	-6.75	977.14
GW-5I	446933.48	13320734.62	984.53	1.96	982.57	70.0	75.0	5.0	912.6	907.6	75.0	907.6	Yes	4.54	989.07
GW-5D	446932.99	13320740.73	984.66	2.38	982.28	90.5	95.5	5.0	891.8	886.8	95.5	886.8	Yes	-2.45	982.21
GW-6S	447038.22	13320589.52	982.42	1.42	981.00	54.0	59.0	5.0	927.0	922.0	59.0	922.0	Yes	NM	
GW-6I	447048.80	13320585.72	982.43	2.54	979.89	73.0	78.0	5.0	906.9	901.9	78.0	901.9	Yes	-1.48	980.95
GW-6D	447043.97	13320590.86	982.09	2.25	979.84	92.0	97.0	5.0	887.8	882.8	97.0	882.8	Yes	10.29	992.38
GW-7S	446806.97	13320309.59	1025.20	2.88	1022.32	24.0	29.0	5.0	998.3	993.3	29.0	993.3	No	-27.63	997.57
GW-7I	446802.93	13320309.59	1025.24	2.29	1022.95	69.5	74.5	5.0	953.5	948.5	74.5	948.5	No	-29.82	995.42
GW-8S	446703.98	13320502.98	1031.99	2.33	1029.66	36.0	41.0	5.0	993.7	988.7	41.0	988.7	No	-36.22	995.77
GW-9S	446379.76	13320544.39	1038.33	2.42	1035.91	35.5	40.5	5.0	1000.4	995.4	40.5	995.4	No	-38.36	999.97
GW-10S	447114.18	13320396.37	989.70	2.46	987.24	75.0	80.0	5.0	912.2	907.2	80.0	907.2	Yes	1.78	991.48
GW-10I	447122.52	13320399.72	989.58	2.71	986.87	98.0	103.0	5.0	888.9	883.9	103.0	883.9	Yes	4.68	994.26
GW-10D	447119.94	13320403.80	989.50	2.83	986.67	120.0	125.0	5.0	866.7	861.7	125.0	861.7	Yes	4.93	994.43
GW-11S	446409.53	13320733.82	1030.19	2.50	1027.69	46.5	51.5	5.0	981.2	976.2	51.5	976.2	No	-32.82	997.37
GW-11I	446402.35	13320728.06	1030.29	2.46	1027.83	135.0	140.0	5.0	892.8	887.8	140.0	887.8	No	-32.25	998.04
GW-11D	446404.83	13320734.18	1030.05	2.54	1027.51	183.0	188.0	5.0	844.5	839.5	188.0	839.5	No	-26.35	1003.70
GW-12S	446013.89	13320755.24	1031.12	2.83	1028.29	65.5	70.5	5.0	962.8	957.8	70.5	957.8	No	-31.18	999.94
GW-12I	445997.47	13320748.12	1030.52	2.88	1027.64	138.0	143.0	5.0	889.6	884.6	143.0	884.6	No	-30.66	999.86
GW-12D	446004.63	13320753.73	1031.01	2.88	1028.13	191.0	196.0	5.0	837.1	832.1	196.0	832.1	No	-27.14	1003.87
GW-13S	446998.74	13320264.22	1009.84	2.88	1006.96	75.0	80.0	5.0	932.0	927.0	80.0	927.0	No	-15.66	994.18
GW-13I	446997.63	13320254.84	1010.12	3.13	1006.99	92.0	97.0	5.0	915.0	910.0	102.0	905.0	No	-14.43	995.69
GW-13D	446996.88	13320273.21	1009.60	2.88	1006.72	120.0	125.0	5.0	886.7	881.7	140.0	866.7	No	-13.93	995.67
GW-14	447085.90	13320445.08	990.08	3.21	986.87	176.0	181.0	5.0	810.9	805.9	240.0	746.9	Yes	5.65	995.73
GW-15	447219.87	13320274.36	985.85	2.54	983.31	98.0	103.0	5.0	885.3	880.3	103.0	880.3	Yes	9.62	995.47
GW-16	444967.05	13320229.71	1016.58	2.83	1013.75	44.5	49.5	5.0	969.3	964.3	49.5	964.3	No	-15.40	1001.18
GW-17I	447074.82	13320890.41	981.06	3.16	977.90	91.0	96.0	5.0	886.9	881.9	96.0	881.9	Yes	11.33	992.39
GW-17D	447081.12	13320899.45	981.31	3.11	978.20	110.0	115.0	5.0	868.2	863.2	115.0	863.2	Yes	11.00	992.31
GW-18	446978.96	13320752.94	983.81	3.01	980.80	91.5	96.5	5.0	889.3	884.3	96.5	884.3	Yes	7.08	990.89
GW-19S	447318.57	13321071.94	976.34	2.74	973.60	80.0	85.0	5.0	893.6	888.6	85.0	888.6	Yes	13.63	989.97
GW-19D	447312.59	13321070.45	977.28	3.78	973.50	113.0	118.0	5.0	860.5	855.5	118.0	855.5	Yes	11.75	989.03
GW-20I	447127.35	13321077.00	979.83	3.43	976.40	85.0	90.0	5.0	891.4	886.4	90.0	886.4	Yes	11.43	991.26
GW-20D	446889.51	13321077.25	979.76	3.46	976.30	117.0	122.0	5.0	859.3	854.3	122.0	854.3	Yes	11.97	991.73
GW-21S	446889.33	13321084.88	981.02	2.62	978.40	60.0	65.0	5.0	918.4	913.4	65.0	913.4	Yes	10.88	991.90
GW-21D	446889.51	13321089.69	980.87	2.57	978.30	107.0	112.0	5.0	871.3	866.3	112.0	866.3	Yes	10.80	991.67
GW-22S	447503.60	13321729.90	1005.24	3.14	1002.10	52.0	57.0	5.0	950.1	945.1	57.0	945.1	No	-26.21	979.03
GW-22I	447507.94	13321728.93	1005.06	2.96	1002.10	86.0	91.0	5.0	916.1	911.1	91.0	911.1	No	-23.01	982.05
GW-22D	447509.01	13321719.40	1004.34	2.94	1001.40	163.0	168.0	5.0	838.4	833.4	168.0	833.4	No	-14.77	989.57
GW-23S	447304.09	13321777.45	992.33	2.93	989.40	41.0	46.0	5.0	948.4	943.4	46.0	943.4	No	-10.36	981.97
GW-23I	447311.30	13321776.99	993.15	3.15	990.00	95.0	100.0	5.0	895.0	890.0	100.0	890.0	No	-11.16	981.99
GW-23D	447294.60	13321777.67	991.92	3.02	988.90	125.0	130.0	5.0	863.9	858.9	130.0	858.9	No	-9.69	982.23
GW-24I	447672.77	13321619.46	988.51	2.91	985.60	121.0	126.0	5.0	864.6	859.6	126.0	859.6	No	-6.06	982.45
GW-24D	447675.24	13321620.87	988.78	2.88	985.90	140.0	145.0	5.0	845.9	840.9	145.0	840.9	No	-4.47	984.31
GW-25I	447571.27	13321581.05	986.45	2.66	983.79	74.0	79.0	5.0	909.8	904.8	79.0	904.8	No	-4.23	982.22
GW-25D	447562.48	13321586.79	986.52	2.53	983.99	121.0	126.0	5.0	863.0	858.0	126.0	858.0	No	-4.02	982.50
GW-26I	447590.03	13321866.04	997.40	2.84	994.56	67.0	72.0	5.0	927.6	922.6	72.0	922.6	No	-17.65	979.75
GW-26D	447584.49	13321877.05	996.62	2.84	993.78	126.0	131.0	5.0	867.8	862.8	131.0	862.8	No	-14.67	981.95
MW-2S	445808.74	13320476.97	1023.59	2.04	1021.55	19.0	24.0	5.0	1002.6	997.6	24.0	997.6	No	-22.98	1000.61
MW-2I	445812.02	13320474.87	1024.17	2.75	1021.42	58.0	63.0	5.0	963.4	958.4	63.0	958.4	No	-23.92	1000.25
MW-2D	445805.70	13320481.32	1024.01	2.54	1021.47	97.0	102.0	5.0	924.5	919.5	102.0	919.5	No	-23.77	1000.24
MW-3I	446205.86	13320379.77	1029.94	2.38	1027.56	75.0	80.0	5.0	952.6	947.6	80.0	947.6	No	-32.29	997.65
MW-3D	446213.49	13320381.94	1030.06	2.10	1027.96	124.0	129.0	5.0	904.0	899.0	129.0	899.0	No	-32.33	997.73
MW101-I	447035.94	13319934.32	1003.03	2.31	1000.72	60.0	62.0	2.0	940.7	938.7	62.0	938.7	No	-5.80	997.23
MW101-D	446998.14	13319973.18	1004.49	3.14	1001.35	87.0	92.0	5.0	914.4	909.4	92.0	909.4	No	-7.38	997.11
MW102-I	446857.96	13320520.17	1009.37	2.67	1006.70	78.0	80.0	2.0	928.7	926.7	80.0	926.7	No	-15.02	994.35
MW102-D	446842.77	13320518.72	1010.77	2.29	1008.48	111.5	116.5	5.0	897.0	892.0	116.5	892.0	No	-16.48	994.29
MW103-S	446383.27	13320544.02	1038.10	1.92	1036.18	93.0	98.0	5.0	943.2	938.2	98.0	938.2	No	-40.89	997.21
MW104-S	446164.83	13320701.00	1037.38	2.96	1034.42	37.0	39.0	2.0	997.4	995.4	39.0	995.4	No	-37.59	999.79
MW104-I	446142.88	13320686.20	1037.05	2.75	1034.30	69.0	77.0	8.0	965.3	957.3	77.0	957.3	No	-37.27	999.78
MW105-S	446112.57	13320151.84	1007.08	3.38	1003.70	25.0	30.0	5.0	978.7	973.7	30.0	973.7	No	-7.65	999.43
MW105-I	446102.22	13320160.52	1008.95	2.75	1006.20	40.0	45.0	5.0	966.2	961.2	45.0	961.2	No	-9.67	999.28
MW105-D	446121.94	13320176.55	1008.74	2.75	1005.99	90.0	100.0	10.0	916.0	906.0	100.0	906.0	No	-11.27	997.47
MW-106D	445808.57	13320279.68	1020.06	2.67	1017.39	90.0	95.0	5.0	927.4	922.4	95.0	922.4	No	-19.80	1000.26
MW107-I	445307.04	13319939.26	996.49	0.79	995.70	52.0	54.0	2.0	943.7	941.7	54.0	941.7	Yes	5.62	1002.11
MW107-D	445310.25	13319926.43	995.34	1.46	993.88	71.0	76.0	5.0	922.9	917.9	76.0	917.9	Yes	5.66	1001.00
MW108-I	445453.13	13320783.82	1052.51	2.71	1049.80	60.0	65.0	5.0	989.8	984.8	65.0	984.8	No	-51.68	1000.83
MW108-D	445460.68	13320811.77	1051.24	2.75	1048.49	76.0	78.0	2.0	972.5	970.5	78.0	970.5	No	-50.38	1000.86
MW109-D	444977.98	13320912.96	1046.69	2.67	1044.02	144.0	149.0	5.0	900.0	895.0	149.0	895.0	No	-45.08	1001.61
MW110-S	444435.24	13320447.67	1014.42	3.42	1011.00	47.0	49.0	2.0	964.0	962.0	49.0	962.0	No	-9.98	1004.44
MW110-I	444435.24	13320447.67	1013.78	3.08	1010.70	77.0	79.0	2.0	933.7	931.7	79.0	931.7	No	-8.37	1005.41
MW110-D	444435.24	13320447.67	1013.46	2.66	1010.80	122.0	127.0	5.0	888.8	883.8	127.0	883.8	No	-8.88	1004.58
MW-111I	444233.00	13319687.50	1011.83	3.13	1008.70	70.0	75.0	5.0	938.7	933.7	75.0	933.7	No	-6.72	1005.11
PW-1	446807.02	13320515.22	1015.26	2.46	1012.80	48.3	80.0	31.8	964.6	932.8	80.0	932.8	No	-25.55	989.71
PW-2	445155.78	13320245.80	1025.71	2.33	1023.38	44.6	80.0	35.4	978.8	943.4	80.0	943.4	No	-24.75	1000.96
PW-3	445329.15	13320406.91	1036.42	1.75	1034.67	38.1	70.0	31.9	996.6	964.7	70.0	964.7	No	-36.70	999.72
PW-4	447149.39	13320705.72	978.83	2.83	976.00	92.0	122.0	30.0	884.0	854.0	122.0	854.0	Yes	NM **	
PW-5	447106.28	13320399.90	990.10	2.25	987.85	89.4	122.0	32.6	898.4	865.9	122.0	865.9	Yes	NM **	
PW-6	446954.18	13320724.28	984.42	2.58	981.84	67.0	112.0	45.0	914.8	869.8	112.0	869.8	Yes	NM **	
PW-7	446273.90	13320361.95	1030.96	3.08	1027.88	32.0	102.0	70.0	995.9	925.9	102.0	925.9	No	-34.33	996.63
PW-8	446008.82	13320516.99	1038.71	2.50	1036.21	39.0	115.0	76.0	997.2	921.2	115.0	921.2	No	-39.67	999.04
PW-9	445484.71	13320563.03	1044.54	2.54	1042.00	40.0	100.0	60.0	1002.0	942.0	100.0	942.0	No	-43.82	1000.72
RW-1	445818.72	13320282.99	1019.97	2.83	1017.14	27.0	30.0	3.0	990.1	987.1	30.0	987.1	No	-19.64	1000.33
RW-1D	445817.80	13320288.04	1019.60	2.46	1017.14	66.5	69.5	3.0	950.6	947.6	69.5	947.6	No	-19.38	1000.22
RW-2	445567.73	13320631.06	1050.02	3.67	1046.35	45.0	48.0	3.0	1001.4	998.4	48.0	998.4	No	-49.27	1000.75
RW-3	445227.94	13320641.44	1052.52	2.35	1050.17	54.0	57.0	3.0	996.2	993.2	57.0	993.2	No	Destroyed	
RW-4	445417.19	13320284.45	1023.66	2.79	1020.87	29.0	32.0	3.0	991.9	988.9	32.0	988.9	No	-22.94	1000.72
RW-5S	445387.36	13320454.65	1039.78	2.75	1037.03	47.0	50.0	3.0	990.0	987.0	50.0	987.0	No	-39.06	1000.72
RW-5D	445389.07	13320457.55	1039.37	2.50	1036.87	60.0	65.0	5.0	976.9	971.9	65.0	971.9	No	-38.42	1000.95

Table 1
Summary of Groundwater Level Elevations
Rose Township Demode Road Site
Holly, Michigan

Well ID	Northing	Easting	Top of Casing Elevation (ft. AMSL)	Ground Surface (ft. BTOC)	Ground Surface Elevation (ft. AMSL)	Screened Interval Screen Minimum Depth (ft. BGS)	Screened Interval Screen Maximum Depth (ft. BGS)	Screen Length (feet)	Screened Interval Screen Minimum Depth (ft. AMSL)	Screened Interval Screen Maximum Depth (ft. AMSL)	Total Depth (ft. BGS)	Total Depth (ft. AMSL)	Flowing Well	September-07 Water Level Measurement (ft ATOC)	September-07 Head Elevation (ft AMSL)
RW-6	444915.45	13320450.88	1026.42	2.83	1023.59	31.0	34.0	3.0	992.6	989.6	34.0	989.6	No	-25.21	1001.21
RW-6D	444915.45	13320450.88	1026.98	3.50	1023.48	66.0	69.0	3.0	957.5	954.5	69.0	954.5	No	-25.75	1001.23
RW-7	445120.68	13320242.82	1022.74	2.63	1020.11	13.5	18.5	5.0	1006.6	1001.6	18.5	1001.6	No	Dry	
RW-8	445233.79	13320192.70	1023.06	2.75	1020.31	37.0	40.0	3.0	983.3	980.3	40.0	980.3	No	-22.17	1000.89
RW-8D	445237.45	13320191.79	1022.20	1.75	1020.45	70.0	73.0	3.0	950.5	947.5	73.0	947.5	No	-21.31	1000.89
RW-9	445309.05	13319941.89	999.99	2.92	997.07	11.0	14.0	3.0	986.1	983.1	14.0	983.1	No	-9.36	990.63
RW-10	445809.13	13320706.46	1023.13	3.21	1019.92	15.0	18.0	3.0	1004.9	1001.9	18.0	1001.9	No	-12.74	1010.39
RW-11	446529.54	13320346.67	1035.04	3.04	1032.00	33.0	36.0	3.0	999.0	996.0	36.0	996.0	No	-30.17	1004.87
RW-12	444963.45	13320929.00	1046.84	2.83	1044.01	44.0	47.0	3.0	1000.0	997.0	47.0	997.0	No	-45.42	1001.42
RW-13	444435.24	13320447.67	1010.77	3.00	1007.77	11.0	14.0	3.0	996.8	993.8	14.0	993.8	No	-15.25	995.52
RW-14	446202.95	13320387.44	1031.74	3.25	1028.49	30.0	33.0	3.0	998.5	995.5	33.0	995.5	No	-33.44	998.30
RW-15	445450.12	13320805.75	1051.04	3.29	1047.75	51.0	53.0	2.0	996.8	994.8	53.0	994.8	No	-50.22	1000.82
RW-16	444272.30	13319677.20	1011.43	3.50	1007.93	17.5	20.5	3.0	990.4	987.4	20.5	987.4	No	-10.75	1000.68
RW-17	445605.90	13321164.30	1016.76	2.17	1014.59	40.0	43.0	3.0	974.6	971.6	43.0	971.6	No	-13.31	1003.45
RW-18	447006.83	13319977.71	1010.78	4.33	1006.45	30.5	33.5	3.0	976.0	973.0	33.5	973.0	No	-7.41	1003.37
SG-1	447491	13321086	973.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-2	447158	13321126	972.86	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-3	446686	13321828	972.88	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-4	448241	13322404	967.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-5	448342	13323740	967.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-6	447554	13321305	973.18	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-7	448923	13320339	975.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-8	448508	13321050	973.73	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-9	443006	13320693	989.51	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-10	447173	13320742	972.83	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
PZ-1	444993	13320456	1028.44	NA	NA	14.0	24.0	10.0	NA	NA	NA	NA	No	NM	
PZ-2	447600	13321558	982.74	NA	NA	3.5	13.5	10.0	NA	NA	NA	NA	No	NM	
PZ-3	447185	13321900	992.35	NA	NA	14.0	24.0	10.0	NA	NA	NA	NA	No	NM	
PZ-4	447589	13322238	1010.26	NA	NA	13.0	23.0	10.0	NA	NA	NA	NA	No	NM	
PZ-5	446823	13322002	983.73	NA	NA	0.0	10.0	10.0	NA	NA	NA	NA	No	NM	
WPZ-1	445800	13319964	993.47	NA	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
WPZ-2	446616	13319932	991.37	NA	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
WPZ-3	446089	13321194	985.87	NA	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
Tipsico La	NA	NA	1012.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	

NA = Not Available/Applicable
NM = Not Measured
* Hydraulic head calculated by airline pressure methods.
† Casing diameter prevents measurement
@ Insufficient flow into well
# Well is not screened in the aquifer
** Pumping equipment prevents water level measurement
^ Water level not collected due to stuck j-plug
‡ Water level not collected due to bees in the well casing
¤ Well inadvertently not sampled
~ Frozen air line
% Well not sampled due to well seal frozen shut

Table 2
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Volatile Organic Compounds (µg/L)	ROD Target Cleanup Levels[A]		2004 Federal Drinking Water Maximum Contaminant Levels in µg/L	MDEQ Part 201 Generic Cleanup Criteria Concentration in µg/L			Sample Location Concentration in µg/L																
	Phase I Target Concentration Limits in µg/L	Phase II Target Concentration Limits in µg/L		Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	DNR-1	DNR-4D	DNR-4D Dup	DNR-7	GW-4D	GW-6I	GW-6D	GW-17D	GW-17I	GW-18	GW-19D	GW-19S	GW-20D	GW-20I	GW-20I (dup)	GW-21D	GW-21S
Benzene	1.5	0.133	5.0	5.0	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide				800	ID	1,200,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	—	—	—	430	ID	440,000	<1.0	<1.0	<1.0	**8.9**	<1.0	**4.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	—	—	—	880	740	2,400,000	<1.0	<1.0	<1.0	**7.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	—	—	7.0	7.0	65	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	—	—	70	70	620	200,000	<1.0	<1.0	<1.0	**66**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	—	—	100	100	1500	220,000	<1.0	<1.0	<1.0	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	—	—	200	200	200	1,300,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	<1.0	<1.0	**150**	<1.0	**90**	<1.0	**18**	**1.7**	**26**	<1.0	**1.0**	**21**	<1.0	<1.0	<1.0	<1.0

Notes:

ROD - Record of Decision, EPA September 30, 1987.
A - Phase I and Phase II TCLs as identified in the Remedial Design and Remedial Action Work Plan (Fred C. Hart Associates, Inc., et al, September 18, 1989).
MDEQ - Michigan Department of Environmental Quality.
ID - Inadequate data for MDEQ to develop criterion.
<1.0 - Not detected above the analytical method reporting limits. The analytical method reporting limit following the "less than" symbol.
µg/L - Micrograms per liter.
— - No standard available.
160 - Shading indicates an exceedance of one or more criteria (ROD Target Cleanup Levels, MCLs, MDEQ Part 201).

Table 2
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Volatile Organic Compounds (µg/L)	ROD Target Cleanup Levels[A]		2004 Federal Drinking Water	MDEQ Part 201 Generic Cleanup Criteria Concentration in µg/L			Sample Location Concentration in µg/L																
	Phase I Target Concentration Limits in µg/L	Phase II Target Concentration Limits in µg/L	Maximum Contaminant Levels in µg/L	Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-23S (dup)	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26I	MW-3I	MW-102D	MW-103S	PW-1
Benzene	1.5	0.133	5.0	5.0	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide				800	ID	1,200,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.2**	<5.0	**13**	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	—	—	—	430	ID	440,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**
1,1-Dichloroethane	—	—	—	880	740	2,400,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**
1,1-Dichloroethene	—	—	7.0	7.0	65	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	—	—	70	70	620	200,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.2**	**28**
trans-1,2-Dichloroethene	—	—	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	**3.3**
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	—	—	200	200	200	1,300,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**22**	<1.0	<1.0	**15**

Notes:

ROD - Record of Decision, EPA September 30, 1987.
A - Phase I and Phase II TCLs as identified in the Remedial Design and Remedial Action Work Plan (Fred C. Hart Associates, Inc., et al, Sept
MDEQ - Michigan Department of Environmental Quality.
ID - Inadequate data for MDEQ to develop criterion.
<1.0 - Not detected above the analytical method reporting limits. The analytical method reporting limit following the "less than" symbol.
µg/L - Micrograms per liter.
— - No standard available.
160 - Shading indicates an exceedance of one or more criteria (ROD Target Cleanup Levels, MCLs, MDEQ Part 201).

Table 2
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Volatile Organic Compounds (µg/L)	ROD Target Cleanup Levels[A]		2004 Federal Drinking Water Maximum Contaminant Levels in µg/L	MDEQ Part 201 Generic Cleanup Criteria Concentration in µg/L			Sample Location Concentration in µg/L						
	Phase I Target Concentration Limits in µg/L	Phase II Target Concentration Limits in µg/L		Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	PW-4	PW-6	PW-7	PW-8	RW-1D	RW-1D (dup)	RW-5S
Benzene	1.5	0.133	5.0	5.0	200	11,000	<1.0	<1.0	8.4	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide				800	ID	1,200,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	2.0	2.1	5.6
Chloroethane	—	—	—	430	ID	440,000	<1.0	1.0	3.0	1.4	<1.0	<1.0	<1.0
1,1-Dichloroethane	—	—	—	880	740	2,400,000	<1.0	<1.0	6.3	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	—	—	7.0	7.0	65	11,000	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	—	—	70	70	620	200,000	<1.0	8.9	54	<1.0	17	17	<1.0
trans-1,2-Dichloroethene	—	—	100	100	1500	220,000	<1.0	<1.0	28	<1.0	34	33	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<1.0	1.3	99	97	<1.0
1,1,1-Trichloroethane	—	—	200	200	200	1,300,000	<1.0	<1.0	9.9	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	2.5	16	81	4.4	<1.0	<1.0	<1.0

Notes:

ROD - Record of Decision, EPA September 30, 1987.
A - Phase I and Phase II TCLs as identified in the Remedial Design and Remedial Action Work Plan (Fred C. Hart Associates, Inc., et al, Sept
MDEQ - Michigan Department of Environmental Quality.
ID - Inadequate data for MDEQ to develop criterion.
<1.0 - Not detected above the analytical method reporting limits. The analytical method reporting limit following the "less than" symbol.
µg/L - Micrograms per liter.
— - No standard available.
160 - Shading indicates an exceedance of one or more criteria (ROD Target Cleanup Levels, MCLs, MDEQ Part 201).

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
DNR-1	9/22/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	6.0	ND	ND	ND	ND	ND
DNR-1	6/13/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-1	12/10/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-1	4/6/1995	1.0	1.0	–	1.0	ND	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	1.0	–	1.0	–	–	1.0	–	3.0
DNR-1	12/11/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
DNR-1	3/9/2004	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	6/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	12/8/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	4/17/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1 (Dup)	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	3/14/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-2	6/12/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-2	9/24/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	4.0	ND	ND	ND	ND	ND
DNR-2	6/13/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-3	9/25/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	3.0	ND	ND	ND	ND	ND
DNR-3	6/14/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-3	12/9/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-3	12/9/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-3	6/25/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
DNR-3	6/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–
DNR-3	6/12/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–
DNR-3	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	9/23/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	2.0	ND	ND	ND	ND	ND
DNR-4D	6/12/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-4D	6/12/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-4D	7/1/1992	ND	ND	–	1.0	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-4D	12/9/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
DNR-4D	3/11/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	12/2/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	6/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4D	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D (Dup)	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D (Dup)	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4I	12/8/1993	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	–	–	–	–	–
DNR-4I	8/18/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-4I	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-4S	8/18/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-4S	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-5	9/23/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	2	ND	ND	ND	ND	ND
DNR-5	6/12/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-5	6/14/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-5	6/29/1992	1.0	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-5	8/11/1992	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
DNR-5	1/18/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
DNR-5	12/8/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-5	4/8/1995	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-5	6/25/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
DNR-5	6/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
DNR-5	6/15/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
DNR-5	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
DNR-6	9/23/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	--	--	--	ND	--	ND	--	4	ND	ND	ND	ND	ND
DNR-6	6/13/1991	170	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	6/14/1991	220	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	6/30/1992	150	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	1/13/1994	50	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	1/13/1994	50	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	12/9/2003	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	3.9	ND	ND	ND	ND	ND	--	ND	ND	ND
DNR-6	3/11/2004	160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-6	6/28/2004	140	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	4.0	ND	ND	ND	ND	ND	10	ND	ND	ND
DNR-6	12/8/2004	94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	11	ND	ND	21	ND	ND	ND	ND	ND	ND
DNR-6	4/21/2005	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	7.6	ND	ND	ND	ND	ND	ND
DNR-6	6/29/2005	130	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-6	9/20/2005	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
DNR-6 (Dup)	9/20/2005	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND
DNR-6	4/26/2006	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6 (Dup[1])	4/26/2006	38	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6	6/21/2006	33	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6	9/26/2006	35	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-7	9/23/1986	190	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	--	--	--	ND	--	ND	--	2.0	ND	ND	ND	ND	ND
DNR-7	6/14/1991	270	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-7	6/30/1992	40	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	1.0	--	ND
DNR-7	8/11/1992	140	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
DNR-7	12/21/1993	140	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-7 (Dup)	12/21/1993	140	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-7	12/10/2003	360	ND	260	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND
DNR-7	3/10/2004	260	ND	200	ND	ND	ND	ND	4.6	ND	ND	ND	ND	ND	ND	--	ND	ND	12	ND	ND	7.7	ND	ND	ND	ND	14	ND
DNR-7 (Dup)	3/10/2004	260	ND	210	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	--	ND	ND	34	ND	ND	7.7	ND	ND	ND	ND	14	ND
DNR-7	6/24/2004	210	ND	240	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	--	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	18	ND
DNR-7	12/7/2004	140	ND	300	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	--	ND	ND	18	ND	ND	5.5	ND	ND	ND	ND	24	ND
DNR-7	4/20/2005	130	ND	270	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND
DNR-7	6/28/2005	120	ND	220	ND	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	--	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	19	ND
DNR-7	9/21/2005	100	ND	180	ND	ND	ND	ND	4.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	4.7	ND	ND	ND	ND	18	ND
DNR-7	12/7/2005	130	<2.0	260	<2.0	<2.0	<2.0	<2.0	5.8	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	12	<2.0	<2.0	<20	<10	<2.0	<20	<2.0	23	<6.0
DNR-7	4/24/2006	120	<2.0	230	<2.0	<2.0	<2.0	<2.0	6.4	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	30	<2.0	<2.0	--	<10	<2.0	<20	<2.0	27	<6.0
DNR-7	6/13/2006	110	<2.0	230	<2.0	<2.0	<2.0	<2.0	5.7	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	12	<2.0	<2.0	--	<10	<2.0	<20	<2.0	26	<6.0
DNR-7	9/18/2006	95	<2.0	220	<2.0	<2.0	<2.0	<2.0	5.7	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	10	<2.0	<2.0	4.6	<10	<2.0	<20	<2.0	22	<6.0
DNR-7 (Dup)	9/18/2006	95	<2.0	220	<2.0	<2.0	<2.0	<2.0	5.7	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	10	<2.0	<2.0	4.1	<10	<2.0	<20	<2.0	23	<6.0
DNR-7	12/12/2006	89	<2.0	170	<2.0	<2.0	<2.0	<2.0	5.7	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	21	<2.0	<2.0	3.6	<10	<2.0	<20	<2.0	24	<6.0
DNR-7	3/14/2007	73	<1.0	180	<1.0	<1.0	<1.0	<1.0	6.7	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	17	<1.0	<1.0	<5.0	<5.0	<1.0	<10	<1.0	28	<3.0
DNR-7	6/26/2007	150	<2.0	10	<2.0	<2.0	<2.0	<2.0	5.6	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	7.2	<2.0	<2.0	<10	<10	<2.0	<20	<2.0	14	<6.0
DNR-7	6/27/2007	120	<1.0	13	<1.0	<1.0	<1.0	<1.0	4.9	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	7.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	11	<3.0
DNR-7	9/26/2007	150	<1.0	66	<1.0	<1.0	<1.0	<1.0	7	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	8.9	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	18	<3.0
GW-1	6/13/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-1	6/30/1992	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-1D	8/29/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-1I	8/29/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-1I	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-1I	7/7/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-1I	6/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-1I	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0		<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-1I (Dup)	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0		<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-2	6/30/1992	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0	--	--	ND	--	--
GW-2	8/11/1992	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-2	1/18/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
GW-2	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-2	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3D	2/15/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3D	4/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-3I	2/22/1994	3.5	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3I (Dup)	2/22/1994	3.5	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3I	6/23/2004	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-3I	6/29/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-3I	4/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-3I	7/7/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-3I	6/19/2006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-3S	6/29/1992	3.0	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3S (Dup)	6/29/1992	3.0	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3S	8/11/1992	1.9	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
GW-3S	1/18/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
GW-3S	1/6/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3S	1/6/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-3S	4/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-4D	3/9/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-4D	3/15/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-4D	12/9/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	3/11/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D (Dup)	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	12/2/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	6/29/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4I	3/9/1994	ND	ND	–	ND	–	ND	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	ND	–	–	ND	–	ND
GW-4I	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-4S	6/30/1992	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-4S	3/8/1994	ND	ND	–	ND	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-4S	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-4S (Dup)	4/25/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5D	12/15/1993	**300**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
GW-5D	1/5/1994	**280**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-5D	4/6/1995	**140**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-5D	6/28/2004	**92**	ND	**81**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**5.7**	ND	ND	–	ND	ND	ND	ND	ND	ND
GW-5D	4/21/2005	**83**	ND	**120**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**9.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5D	6/30/2005	**82**	ND	**110**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**6.4**	ND	ND	ND	ND	ND	ND	ND	**2.2**	ND
GW-5D	6/20/2006	**39**	<1.0	**79**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**4.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	12/14/1993	**150**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
GW-5I	1/5/1994	**170**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-5I	3/11/2004	**94**	ND	**88**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5I	6/28/2004	**210**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**3.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5I	12/8/2004	**230**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**12**	ND	ND	**5.6**	ND	ND	ND	ND	ND	ND
GW-5I	4/21/2005	**180**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	**7.2**	ND	ND	ND	ND	ND	ND
GW-5I	6/30/2005	**220**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**3.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5I	9/27/2005	**180**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-5I	12/12/2005	**200**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**3.6**	<1.0	<1.0	<10	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	4/26/2006	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**1.8**	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	6/19/2006	**140**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**2.6**	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	9/19/2006	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**3.0**	<1.0	<1.0	**2.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	12/14/2006	**140**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**4.8**	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	3/13/2007	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**5.2**	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	6/21/2007	**110**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**4.0**	<1.0	<1.0	**1.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	9/25/2007	**90**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**4.9**	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5S	12/14/1993	**2.2**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
GW-5S	4/21/2005	**75**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	**18**	ND	ND	ND	ND	ND	ND
GW-6	9/22/2005	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.5**	ND	ND	ND	ND	ND	ND
GW-6 (Dup)	9/22/2005	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	1/4/1994	**32**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	**4.4**	–	–	ND	–	ND
GW-6D	4/6/1995	**30**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-6D	12/11/2003	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-6D	3/9/2004	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	6/29/2004	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**2.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	12/8/2004	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**5.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	4/27/2005	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	7/7/2005	**4.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6D	12/12/2005	**7.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**1.4**	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	4/26/2006	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	6/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	9/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	3/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	6/21/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6D	9/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6I	1/4/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-6I	6/29/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
GW-6I	7/7/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-6I	6/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-6I	6/21/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-8S	1/5/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-7I	1/6/1994	6.0	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	3.0	--	ND
GW-7I	4/6/1995	2.0	ND	--	ND	18	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	ND	--	--	52	--	60
GW-7S	12/30/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-7S	4/6/1995	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-8S	1/6/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-9S	1/3/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	4.2	--	--	ND	--	ND
GW-12D	6/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-12D	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-12I	6/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-12I	6/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-12I (Dup)	6/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-12I	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-12I	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-16	6/25/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-16	6/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
GW-16	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-16	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	12/11/2003	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
GW-17D	3/9/2004	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17D	6/30/2004	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17D	12/8/2004	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17D	4/27/2005	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17D	7/6/2005	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17D	9/27/2005	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND
GW-17D	4/26/2006	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	6/19/2006	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	9/19/2006	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	12/14/2006	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	3/12/2007	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	6/26/2007	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	9/24/2007	18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	12/11/2003	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
GW-17I	3/9/2004	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND
GW-17I	6/30/2004	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	12/8/2004	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	4/27/2005	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	4/27/2005	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	7/6/2005	6.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	7/6/2005	6.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	9/22/2005	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND
GW-17I	4/26/2006	19	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	6/19/2006	9.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	9/19/2006	9.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	12/14/2006	9.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	3/12/2007	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	6/26/2007	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	9/25/2007	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	12/11/2003	8.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
GW-18	3/9/2004	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	6/30/2004	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	12/8/2004	9.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	4/27/2005	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	7/7/2005	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	9/22/2005	43	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND
GW-18	4/26/2006	38	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	6/20/2006	43	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	3.2	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	9/19/2006	13	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	1.2	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	3/12/2007	45	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.9	<1.0	<1.0	1.6	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18 (Dup)	3/12/2007	45	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.8	<1.0	<1.0	1.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	6/21/2007	26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	12/14/2007	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	9/25/2007	26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-19D	3/8/2004	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	12/13/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	3/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	3/8/2004	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
GW-19S (Dup)	3/8/2004	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
GW-19S	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
GW-19S	12/8/2004	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
GW-19S	4/27/2005	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19S	7/6/2005	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19S	9/27/2005	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	ND	ND
GW-19S	4/19/2006	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	4/19/2006	7.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	6/20/2006	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	9/25/2006	2.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	9/25/2006	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	12/14/2006	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	12/14/2006	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	3/12/2007	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	6/25/2007	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	9/24/2007	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	3/8/2004	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	6/30/2004	9.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	12/8/2004	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	4/27/2005	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	7/6/2005	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	9/27/2005	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND
GW-20D	12/12/2005	25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	4/19/2006	26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	6/20/2006	24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	9/25/2006	20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	12/14/2006	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	3/12/2007	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	6/25/2007	23	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	9/24/2007	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I (Dup)	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D (Dup)	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	3/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-21S	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	12/12/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	3/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22D	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22D	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**7.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22D	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.2**	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND
GW-22D	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**5.0**	<1.0	<1.0	<1.0	<1.0	**2.0**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I (Dup)	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I (Dup)	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**5.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**6.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	8/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S (Dup)	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**8.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23D	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23D	8/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23D	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.0**	ND	ND	ND	ND	ND	ND
GW-23D	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**5.2**	<1.0	<1.0	<1.0	<1.0	**2.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**7.0**	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**7.0**	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-23I	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**8.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23I	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**17**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23I	6/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23I	9/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND	ND	ND	ND	**1.2**	ND	ND	ND	ND	ND	ND
GW-23I	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**5.3**	<1.0	<1.0	<1.0	<1.0	**1.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I (Dup)	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**8.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	6/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24D	4/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24D	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24D	9/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24D	4/17/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	6/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24D	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24I (Dup)	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24I	4/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24I	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**6.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-24I	9/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.8**	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND
GW-24I	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	4/17/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	6/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.5**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I (Dup)	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-24I (Dup)	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D (Dup)	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**3.0**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	9/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25I	9/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-26D (Dup[1])	4/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	1.4	<1.0	<3.0
GW-26D	4/26/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	1.6	<1.0	<3.0
GW-26D	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	1.1	<1.0	<3.0
GW-26D	9/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	5.1	<1.0	<1.0	<1.0	<1.0	1.6	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	7.9	<1.0	<1.0	<1.0	<1.0	2.1	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	15	<1.0	<1.0	<1.0	<1.0	1.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	18	<1.0	<1.0	<1.0	<1.0	1.9	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	13	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	9/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I (Dup)	9/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I (Dup)	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26I	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-2D	11/30/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-2D	8/19/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-2I	12/1/1993	38	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-2I	8/19/1994	15	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-2I	6/22/2004	24	ND	ND	3.5	ND	ND	ND	9.3	ND	ND	ND	ND	ND	ND	–	ND	ND	13	ND	ND	–	ND	ND	ND	ND	ND	ND
MW-2I	6/27/2005	21	ND	ND	3.2	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND	–	ND	ND	8.3	ND	ND	–	ND	ND	ND	ND	ND	ND
MW-2I	6/14/2006	20	<1.0	<1.0	3.9	<1.0	<1.0	<1.0	<1.0	9.5	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	8.9	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-2I	6/20/2007	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.1	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	4.5	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-2S	12/1/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-3D	11/23/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-3I	11/23/1993	100	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-3I	4/6/1995	15	ND	–	ND	3.8	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	4.9	–	ND	–	–	25	–	12
MW-3I	12/10/2003	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
MW-3I	3/10/2004	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I	12/7/2004	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I	4/20/2005	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I	6/23/2005	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I (Dup)	6/23/2005	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I	9/21/2005	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I (Dup)	9/21/2005	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-3I	12/7/2005	26	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	4/24/2006	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I (Dup)	4/24/2006	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	6/14/2006	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	9/18/2006	27	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	12/12/2006	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	3/14/2007	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	6/21/2007	24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	9/26/2007	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-101D	9/25/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	ND	–	–	–	–	–	ND	–	9.0	ND	ND	ND	ND	ND
MW-101I	9/25/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	5.0	–	–	–	ND	–	ND	–	17	ND	ND	ND	ND	ND
MW-102D	9/24/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	–	–	ND	ND	ND	–	2.0	ND	ND	2.0	ND	ND
MW-102D (Dup)	9/24/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	–	–	ND	ND	ND	–	2.0	ND	ND	1.0	ND	ND
MW-102D	12/23/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102D	12/9/2003	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	3/11/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	7/1/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	4/18/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	6/20/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	6/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102D	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	4/17/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	6/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	9/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	3/14/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	9/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102I	9/23/1986	270	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	9.0	ND	ND	–	–	ND	ND	ND	–	7.0	ND	ND	ND	ND	ND
MW-102I	6/12/1991	17	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	6/30/1992	30	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	12/23/1993	5.0	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	4/18/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
MW-103S	9/24/1986	2.0	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	--	--	--	ND	--	7.0	--	--	ND	--	ND
MW-103S	6/12/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-103S	6/30/1992	1.0	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-103S	8/11/1992	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	--
MW-103S	12/9/1993	2.8	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	3.1
MW-103S	12/10/2003	2.0	ND	5.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	1.6	ND
MW-103S	3/10/2004	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	460	--	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-103S	6/23/2004	1.3	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	ND
MW-103S	12/7/2004	ND	ND	4.1	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-103S	4/20/2005	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-103S	6/23/2005	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND
MW-103S	9/22/2005	ND	ND	2.6	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-103S	12/8/2005	<1.0	<1.0	3.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-103S	4/25/2006	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	1.2	<3.0
MW-103S	6/15/2006	<1.0	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-103S	9/18/2006	<1.0	<1.0	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-103S	12/11/2006	<1.0	<1.0	3.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.3	<3.0
MW-103S	3/14/2007	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.3	<3.0
MW-103S	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	140	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.3	<1.0	<10	4.8	<1.0	<3.0
MW-103S	9/26/2007	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.3	<3.0
MW-104I	9/24/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	--	--	--	ND	--	2.0	--	--	ND	--	ND
MW-104I	8/19/1994	ND	ND	--	1.1	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-104I	6/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-104I	8/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-104S	9/24/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	--	--	--	--	--	ND	--	3.0	ND	ND	ND	ND	ND
MW-104S	8/19/1994	2.2	ND	--	2.3	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	4.9	--	ND
MW-105D	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	18	ND	10	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-105I	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	19	ND	19	ND	--	--	ND	ND	ND	--	1.0	ND	ND	ND	ND	ND
MW-105I	6/14/1991	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-105I	12/9/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-105S	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	20	ND	16	ND	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-106D	9/30/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	20	ND	5.0	ND	--	--	ND	ND	ND	--	ND	ND	ND	2.0	ND	ND
MW-106D (Dup)	9/30/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	ND	7.0	1.0	--	--	ND	2.0	ND	--	1.0	ND	ND	2.0	ND	ND
MW-106D	11/23/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	1.4	--	ND
MW-107D	9/22/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	2.0	--	--	--	ND	--	ND	--	7.0	ND	ND	ND	ND	ND
MW-107I	9/22/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	3.0	--	--	--	ND	--	ND	--	4.0	ND	ND	ND	ND	ND
MW-107I	6/13/1991	ND	2.0	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-107I	12/9/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-107I	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-107I	6/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-107I	6/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
MW-107I	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-108D	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	13	ND	16	--	--	--	ND	--	ND	--	1.0	ND	ND	ND	ND	ND
MW-108D (Dup)	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	ND	7.0	--	--	--	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-108D	6/24/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-108D	6/24/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-108D	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
MW-108D	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-108I	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	12	ND	14	--	--	--	ND	--	ND	--	2.0	ND	ND	ND	ND	ND
MW-109D	9/30/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	17	ND	4.0	--	--	--	ND	--	ND	--	ND	ND	ND	2.0	ND	ND
MW-109D	6/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-109D	6/24/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
MW-109D	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
MW-109D	6/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-110D	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	29	ND	6.0	--	--	--	ND	--	ND	--	ND	ND	ND	1.0	ND	ND
MW-110D (Dup)	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	12	ND	12	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
MW-110I	10/1/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	5.0	5.0	--	--	--	ND	--	ND	--	ND	ND	ND	1.0	ND	ND
MW-110S	10/1/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	27	ND	5.0	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
MW-110S	12/27/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
MW-111I	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	ND	15	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
PW-1	6/30/1992	89	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
PW-1	3/8/1994	59	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
PW-1	7/1/2004	86	ND	13	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	--	ND	ND	4.3	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-1	6/23/2005	31	ND	12	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	--	ND	ND	2.0	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-1	6/12/2006	20	<1.0	19	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-1	3/13/2007	22	<1.0	27	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.9	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	2.1	<3.0
PW-1	7/11/2007	8.4	<1.0	20	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.2	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	1.6	<3.0
PW-1	9/25/2007	15	<1.0	28	<1.0	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.3	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	3.3	<3.0
PW-2	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	7.0	--	ND

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
PW-3	1/4/1994	160	ND	–	220	1,400	3.1	–	–	–	–	–	–	–	–	–	–	–	–	–	1,400	–	13	–	–	23,000	–	3,600
PW-3	4/6/1995	50	ND	–	86	420	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	570	–	ND	–	–	2,000	–	1,500
PW-3	7/1/2004	5.9	1.3	1.5	9.7	130	ND	ND	3.6	ND	ND	ND	ND	ND	ND	–	ND	ND	3.9	ND	84	–	ND	ND	ND	93	ND	160
PW-3	6/23/2005	5.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-3	6/12/2006	1.7	1.7	<1.0	3.8	64	<1.0	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	24	<1.0	<1.0	<1.0	<10	28	<1.0	28
PW-4	7/1/2004	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-4	6/23/2005	2.4	1.7	ND	4.9	81	ND	ND	1.5	ND	ND	ND	ND	ND	ND	–	ND	ND	1.4	ND	35	–	ND	ND	ND	17	ND	38
PW-4	6/12/2006	3.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-4	3/13/2007	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-4	7/11/2007	1.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-4	9/25/2007	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-5	7/1/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-6	7/2/2004	87	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	2.1	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-6	4/26/2005	71	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-6	6/23/2005	71	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	1.5	ND	ND	–	ND	ND	ND	ND	ND	ND
PW-6	6/12/2006	24	<1.0	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	3/13/2007	32	<1.0	5.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.4	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	7/11/2007	27	<1.0	9.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.1	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	9/25/2007	16	<1.0	8.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	12/9/2003	86	ND	28	5.7	ND	16	ND	5.7	ND	ND	ND	ND	ND	ND	–	ND	ND	2.4	ND	ND	10	ND	ND	–	ND	11	ND
PW-7	3/9/2004	100	ND	72	6.0	ND	3.8	ND	6.0	ND	ND	ND	ND	ND	ND	–	ND	ND	3.2	ND	ND	7.9	ND	ND	ND	ND	25	ND
PW-7	7/1/2004	100	ND	83	6.1	ND	6.0	ND	6.2	1.4	ND	ND	ND	ND	ND	–	ND	ND	4.5	ND	ND	8.6	ND	ND	ND	ND	31	ND
PW-7	12/2/2004	110	ND	93	6.9	ND	7.8	ND	7.3	1.4	ND	ND	ND	ND	ND	–	ND	ND	4.4	ND	ND	12	ND	ND	ND	ND	37	ND
PW-7 (Dup)	12/2/2004	110	ND	99	6.7	ND	7.8	ND	7.7	1.4	ND	ND	ND	ND	ND	–	ND	ND	4.9	ND	ND	11	ND	ND	ND	ND	38	ND
PW-7	4/26/2005	71	ND	74	4.6	ND	17	ND	7.2	1.0	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	33	ND
PW-7	4/17/2006	100	<1.0	56	7.3	<1.0	9.8	<1.0	5.8	<1.0	<1.0	<1.0	<25	<50	<25	–	<5.0	<1.0	3.3	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	24	<3.0
PW-7	6/12/2006	45	<1.0	56	4.8	<1.0	5.3	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	23	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	9/18/2006	88	<1.0	74	7.6	<1.0	9.5	<1.0	6.3	1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	3.3	<1.0	<1.0	8.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	12/11/2006	80	<1.0	47	7.6	<1.0	15	<1.0	5.7	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	2.6	<1.0	<1.0	8.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	3/13/2007	3.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.1	<3.0
PW-7	7/11/2007	69	<1.0	58	7.6	<1.0	11	<1.0	5.6	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	2.7	<1.0	<1.0	6.1	<5.0	<1.0	<10	<1.0	24	<3.0
PW-7	9/25/2007	16	<1.0	54	8.4	<1.0	9.9	<1.0	6.3	1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	3	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	28	<3.0
PW-8	12/9/2003	5.3	5.3	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	2.6	ND	ND	ND	ND	ND	–	ND	2.7	ND
PW-8	3/9/2004	4.9	8.1	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	6.6	ND
PW-8	7/1/2004	6.8	11	8.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	3.1	ND	ND	ND	ND	ND	ND	ND	10	ND
PW-8 (Dup)	7/1/2004	6.2	11	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	9.1	ND
PW-8	12/2/2004	4.7	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
PW-8	4/26/2006	4.3	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	6/12/2006	2.4	3.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	9/18/2006	4.2	5.2	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.3	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	12/11/2006	4.8	2.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	2.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	3/13/2007	5.6	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.4	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	7/11/2007	3.7	1.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.6	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-8	9/25/2007	4.4	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.4	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-9	6/24/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
PW-9	6/24/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
PW-9	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-9	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-1	9/30/1986	ND	–	–	ND	ND	ND	ND	–	ND	ND	1.0	18	ND	5.0	–	–	ND	ND	–	ND	–	ND	ND	ND	–	ND	ND
RW-1	12/1/1993	18	ND	–	4.8	6.3	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-1	6/25/2004	2.0	1.3	10	1.6	37	ND	ND	8.3	ND	ND	1.0	ND	ND	ND	–	ND	ND	7.5	ND	ND	–	ND	ND	ND	ND	ND	ND
RW-1	6/20/2005	ND	2.2	7.7	ND	7.4	ND	ND	5.8	ND	ND	ND	ND	ND	ND	–	ND	ND	1.5	ND	ND	–	ND	ND	ND	ND	ND	ND
RW-1	6/12/2006	<1.0	1.9	5.4	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-1	6/20/2007	<1.0	1.8	5.0	<1.0	4.0	<1.0	<1.0	3.7	<1.0	<1.0	1.7	<25	<50	<25	<1.0	<5.0	<1.0	1.3	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
RW-1D	9/30/1986	65	–	–	9.0	ND	ND	ND	6.0	ND	ND	–	18	ND	4.0	–	–	ND	9.0	–	ND	–	ND	ND	ND	–	2.0	ND
RW-1D	12/1/1993	ND	19	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-1D (Dup)	12/1/1993	ND	19	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-1D	12/9/2003	ND	60	11	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	20	ND
RW-1D	3/11/2004	ND	52	9.5	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND
RW-1D	6/29/2004	ND	80	21	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND
RW-1D	12/2/2004	ND	54	10	ND	2.7	ND	ND	1.1	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND
RW-1D	4/18/2005	ND	78	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89	ND
RW-1D	6/20/2005	ND	44	8.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.4	ND
RW-1D	9/26/2005	ND	47	15	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND
RW-1D	12/8/2005	2.1	61	26	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<20	<5.0	<1.0	<10	<1.0	69	<3.0
RW-1D	4/25/2006	<1.0	140	12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	31	<3.0
RW-1D (Dup[1])	4/26/2006	<1.0	150	12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	33	<3.0
RW-1D	6/12/2006	<1.0	43	18	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	29	<3.0
RW-1D	9/18/2006	<1.0	62	18	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-1D	12/12/2006	1.5	98	26	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	70	<3.0
RW-1D	3/14/2007	1.5	120	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<10	<1.0	60	<3.0
RW-1D (Dup)	3/14/2007	1.6	120	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<10	<1.0	60	<3.0
RW-1D	6/20/2007	<1.0	79	16	<1.0	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	17	<3.0
RW-1D	9/26/2007	<1.0	99	17	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	34	<3.0
RW-1D (Dup)	9/26/2007	<1.0	97	17	<1.0	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	33	<3.0
RW-2	9/29/1986	ND	–	–	ND	ND	ND	ND	ND	ND	ND	–	21	ND	10	–	–	ND	ND	–	ND	–	2.0	ND	ND	–	ND	ND
RW-2	6/12/1991	2.0	ND	–	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-2	8/16/1994	12	ND	–	ND	–	2.1	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-2	6/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
RW-2 (Dup)	6/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
RW-2	6/23/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
RW-2	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-2	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-3	9/30/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	5.0	–	–	ND	ND	–	ND	–	ND	ND	ND	1.0	ND	ND
RW-3	6/12/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-4	9/30/1986	ND	35	–	ND	ND	15	ND	8.0	ND	ND	–	15	ND	4.0	–	–	ND	ND	–	ND	–	ND	ND	ND	1.0	19	ND
RW-4	11/23/1993	ND	7.2	–	ND	ND	2.3	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-5D	10/1/1986	86	ND	–	2.0	ND	ND	ND	7	ND	ND	–	19	ND	4.0	–	–	ND	3.0	–	ND	–	1.0	ND	ND	1.0	2.0	ND
RW-5D (Dup)	10/1/1986	1,400	71	–	170	190	48	ND	490	6.0	ND	–	83	ND	61	–	–	8.0	5.0	–	ND	–	6.0	ND	ND	62	710	72
RW-5D	12/29/1993	170	ND	–	140	150	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	63	–	ND	–	–	550	–	130
RW-5D	1/11/1994	33	ND	–	20	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	3.0	–	ND
RW-5D	8/18/1994	150	3.4	–	160	100	2.5	–	–	–	–	–	–	–	–	–	–	–	–	–	33	–	1.0	–	–	110	–	57
RW-5D (Dup)	8/18/1994	18	ND	–	16	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	1.7	–	ND
RW-5S	12/10/2003	24	22	11	6.3	89	3.9	ND	8.2	1.5	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	5.9	ND	ND	ND	–	1.9	ND	6.7
RW-5S (Dup)	12/10/2003	26	24	12	6.8	97	4.3	ND	9.1	1.6	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	6.2	ND	ND	ND	–	1.5	ND	6.7
RW-5S	3/10/2004	34	26	13	8.1	79	4.9	ND	11	2.3	ND	ND	ND	ND	ND	–	ND	ND	2.6	ND	4.2	5.0	ND	ND	ND	ND	ND	ND
RW-5S	6/24/2004	10	12	4.6	1.1	76	3.8	ND	3.1	1.2	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND
RW-5S	12/7/2004	3.5	3.3	1.6	ND	48	1.2	ND	1.5	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND
RW-5S	4/20/2005	ND	1.2	ND	ND	53	ND	ND	1.3	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	6.9	ND	ND	ND	ND	ND	ND	ND
RW-5S	6/23/2005	2.3	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND
RW-5S	9/21/2005	5.0	1.4	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND
RW-5S	12/7/2005	2.4	1.0	<1.0	<1.0	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	2.8	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S (Dup)	12/7/2005	2.4	1.1	<1.0	<1.0	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	2.7	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	4/25/2006	1.7	<1.0	<1.0	<1.0	29	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	8.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	6/14/2006	1.4	<1.0	<1.0	<1.0	27	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.8	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	9/18/2006	1.1	<1.0	<1.0	<1.0	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	5.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	12/11/2006	1.2	<1.0	<1.0	<1.0	8.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1.8	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	3/14/2007	<1.0	<1.0	<1.0	<1.0	6.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1.2	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	6/27/2007	<1.0	<1.0	<1.0	<1.0	5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	9/26/2007	<1.0	<1.0	<1.0	<1.0	5.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-6	10/1/1986	ND	350	–	26	170	7.0	31	19	ND	10	–	30	ND	19	–	–	ND	ND	–	31	–	3.0	ND	ND	2.0	450	ND
RW-6	6/14/1991	2.0	130	–	16	330	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-6	12/13/1993	12	84	–	8.4	280	1.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
RW-6	12/13/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-6D	10/1/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	21	ND	6.0	–	–	ND	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-6D	12/13/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	–	ND	–	–
RW-7	10/2/1986	ND	1,200	–	ND	3,300	ND	ND	ND	ND	ND	–	13,000	ND	8,300	–	–	ND	ND	–	3,100	–	ND	4,400	ND	55,000	ND	25,000
RW-7	12/10/1993	750	ND	–	23	460	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	690	–	ND	–	–	4,900	–	4,100
RW-7	4/6/1995	150	ND	–	ND	280	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	400	–	ND	–	–	2,400	–	2,100
RW-8	9/30/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	15	ND	5.0	–	–	ND	ND	–	ND	–	ND	ND	ND	2.0	ND	ND
RW-8	11/23/1993	ND	ND	–	1.6	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-8D	10/1/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	18	ND	3.0	–	–	ND	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-8D (Dup)	10/1/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	16	3.0	5.0	–	–	ND	ND	–	ND	–	ND	ND	ND	1.0	ND	ND
RW-8D	11/23/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-9	10/2/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	9.0	–	12	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND

Table 3
Summary of Historical VOC Analytical Results
Rose Township Demode Road Site
Holly, Michigan

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
RW-10	9/29/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	20	–	16	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-10	12/27/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-10	12/8/1993	4.9	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-10	8/17/1994	ND	ND	–	ND	ND	2.5	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-11	9/29/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	21	–	13	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-11	1/4/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-12	9/30/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	16	–	4.0	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-14	9/24/1986	ND	ND	–	ND	ND	2,000	15	81	160	ND	–	ND	–	ND	–	–	–	ND	–	ND	–	60	ND	ND	ND	ND	ND
RW-14	11/23/1993	ND	ND	–	ND	ND	590	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-15	9/29/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	18	–	11	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-15	12/27/1991	ND	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
RW-16	10/2/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	17	–	21	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-17	10/2/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	25	–	5.0	–	–	–	ND	–	ND	–	ND	ND	ND	ND	ND	ND
RW-17	6/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-18	9/25/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	–	4.0	–	–	–	ND	–	ND	–	11	ND	ND	ND	ND	ND

Notes:
All concentration units are in micrograms per liter (ug/L).
"–" indicates that the compound was not analyzed.
"ND" indicates not detected above the laboratory reporting limit (detection limit not available).
"<" indicates less than the laboratory reporting limit shown
"(Dup)" indicates that the sample is a duplicate collected for quality assurance purposes.
"(Dup[1])" indicates that a duplicate sample was collected using a bladder pump (for comparison) instead of a peristaltic pump (original sample collected with peristaltic pump)
Analytes were analyzed via USEPA Method 8260 for volatile organic compounds.
Analytes 2,4-dimethylphenol, bis (2-ethylhexyl)phthalate, di-n-butylphthalate, di-n-octylphthalate, naphthalene, isophorone, n-nitrosodiphenylamine and phenol have not been sampled for since 1986. To aid in the presentation of current data, these analytes have been removed from this table.

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Biogeochemical and Field Parameters	Units	Sample Locations														
		DNR-1	DNR-4D	DNR-4D (dup)	DNR-7	GW-4D	GW-5I	GW-6D	GW-17D	GW-17I	GW-18	GW-19D	GW-19S	GW-20D	GW-20I	GW-20 (Dup)
Field Parameters																
pH	S.U.	7.36	7.82	NA	7.47	7.20	6.23	6.24	6.25	6.22	6.24	6.17	6.19	6.22	6.18	NA
Conductivity	µS/cm	531	477	NA	493	588	557	541	575	567	555	579	559	557	584	NA
Dissolved Oxygen	mg/L	0.04	0.15	NA	0.05	0.03	0.42	0.16	0.12	0.15	0.14	0.15	0.13	0.16	0.18	NA
Temperature	C°	11.87	12.45	NA	11.47	10.70	11.71	10.86	10.29	9.84	10.30	10.34	10.44	10.10	9.90	NA
Oxidation/Reduction Potential	mv	-144.1	122.9	NA	-130	-116.5	-61	-67	-74	-57	-66	-55	-61	-58	-46	NA
Salinity	PSS	NA	NA	NA	NA	NA	0.27	0.26	0.27	0.27	0.26	0.28	0.27	0.27	0.28	NA
Turbidity	NTU	3.0	3.0	NA	2.0	5.0	6.79	0.19	0.33	0.30	0.38	0.65	0.82	0.44	0.22	NA
Sulfide	mg/L	0.15	0.24	NA	1.02	0.05	0.10	0.03	0.04	0.00	0.02	0.05	0.04	0.03	0.16	NA
Dissolved Iron	mg/L	1.96	0.28	NA	1.11	2.14	1.55	1.69	2.38	1.76	1.48	1.88	1.76	1.83	1.82	NA
Dissolved Manganese	mg/L	1.0	0.6	NA	0.9	1.3	0.1	0.1	1.0	0.3	0.0	0.2	1.0	1.0	0.9	NA
Biogeochemical Parameters																
Nitrogen, Ammonia	mg/L	0.26	0.14	0.13	0.070	0.14	0.11	0.10	0.12	0.13	0.14	0.12	0.066	0.13	0.14	0.13
Total Organic Carbon	mg/L	1.4	1.3	1.4	1.5	1.1	1.2	<1.0	1.0	<1.0	1.1	1.1	1.1	1.1	1.0	1.0
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sulfate	mg/L	<5.0	<5.0	<5.0	<5.0	22	16	24	15	15	14	27	25	14	17	17
Chloride	mg/L	1.4	3.8	4.1	5.3	2.5	5.5	2.4	4.7	4.9	4.0	6.4	3.5	4.3	6.4	6.5
Total Alkalinity	mg/L	280	240	250	280	290	300	300	310	310	310	310	300	310	310	320
Dissolved Gases																
Ethane Gas in Water	µg/L	<2.0	<1.0	<1.0	<5.0	<5.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0
Ethene Gas in Water	µg/L	<2.0	<1.0	<1.0	<5.0	<5.0	<2.0	<1.0	1.2	<1.0	1.3	<1.0	<1.0	<2.0	<1.0	<1.0
Methane Gas in Water	µg/L	130	11	10	280	6.6	35	2.2	28	14	42	2.2	3.8	71	4.7	5.2

Notes:

ND (5.0)	-Not detected above analytical method reporting limits are listed in parenthesis.
S.U.	-Standard Units
NTU	-Nephelometric Turbidity Units
µS/cm	-MicroSiemens per Centimeter
mg/L	-Milligram per Liter
µg/L	-Microgram per Liter
C°	-Degrees Celsius
mv	-Millivolt
PSS	-Practical Salinity Scale
NA	-Not available.
NS	-Sample location not sampled.

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Biogeochemical and Field Parameters	Units	Sample Locations														
		GW-21D	GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-23S (dup)	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26I
Field Parameters																
pH	S.U.	6.26	6.06	6.90	6.30	6.64	6.58	6.78	6.39	NA	6.24	7.19	6.89	6.40	7.26	6.70
Conductivity	µS/cm	497	578	550	548	475	534	555	524	NA	549	563	534	526	270	535
Dissolved Oxygen	mg/L	0.19	0.24	0.28	0.39	0.54	0.68	0.20	5.25	NA	0.52	0.04	0.19	0.16	1.66	0.71
Temperature	C°	10.09	10.20	13.40	11.37	12.71	14.04	16.67	13.04	NA	12.67	11.34	12.44	12.71	17.40	12.85
Oxidation/Reduction Potential	mv	-54	-24	-168	-63	-100	-184	-225	178	NA	-193	-103.4	-232	-136	-161	-101
Salinity	PSS	0.24	0.28	0.26	0.26	0.23	0.26	0.27	0.25	NA	0.26	NA	0.26	0.25	0.13	0.26
Turbidity	NTU	8.3	3.0	3.6	3.7	2.80	2.10	5.4	2.5	NA	2.11	1.00	1.43	1.50	1.24	1.40
Sulfide	mg/L	0.03	0.02	0.8	0.08	0.07	0.02	0.8	0.03	NA	0.00	0.06	0.02	0.01	0.17	0.13
Dissolved Iron	mg/L	1.23	1.62	0.04	2.18	4.4	0.09	0.02	0.13	NA	0.32	1.87	0.04	0.82	0.14	0.25
Dissolved Manganese	mg/L	0.7	1.1	1.2	0.4	0.1	1.3	0.7	2.3	NA	0.6	0.7	0.1	0.1	0.3	0.6
Biogeochemical Parameters																
Nitrogen, Ammonia	mg/L	0.23	0.17	0.10	0.13	0.14	0.14	0.058	0.11	<0.050	0.064	0.10	<0.050	0.15	<0.050	0.081
Total Organic Carbon	mg/L	<1.0	1	<1.0	1.1	1.2	<1.0	1.1	1.2	1	1.4	1.3	2.8	1.6	19	1.3
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.052	0.16	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sulfate	mg/L	<5.0	20	11	19	16	<5.0	15	23	24	20	9.6	<5.0	6.8	14	9.2
Chloride	mg/L	2.0	6.4	6.8	2.7	2.4	3.9	8.1	3.9	4.6	7.1	2.7	7.1	2.1	13	2.1
Total Alkalinity	mg/L	290	320	290	290	260	310	300	270	270	330	280	320	300	110	310
Dissolved Gases																
Ethane Gas in Water	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.3	<1.0
Ethene Gas in Water	µg/L	<1.0	<1.0	1.9	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<1.0	1.6	5.8	1.3	1.5	1.1
Methane Gas in Water	µg/L	24	4.5	4.5	2.1	20	27	4.4	3.4	<0.50	1.2	25	3.3	3.6	7.4	20

Notes:

ND (5.0)	-Not detected above analytical method reporting limits are listed in parenthesis.
S.U.	-Standard Units
NTU	-Nephelometric Turbidity Units
µS/cm	-MicroSiemens per Centimeter
mg/L	-Milligram per Liter
µg/L	-Microgram per Liter
C°	-Degrees Celsius
mv	-Millivolt
PSS	-Practical Salinity Scale
NA	-Not available.
NS	-Sample location not sampled.

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 24 through October 1, 2007

Biogeochemical and Field Parameters	Units	Sample Locations										
		MW-3I	MW-102D	MW-103S	PW-1	PW-4	PW-6	PW-7	PW-8	RW-1D	RW-1D (dup)	RW-5S
Field Parameters												
pH	S.U.	7.20	6.91	10.13	7.05	6.21	7.08	6.21	6.85	6.69	NA	7.14
Conductivity	µS/cm	598	402	199	570	547	584	534	688	484	NA	632
Dissolved Oxygen	mg/L	0.09	0.25	0.22	0.02	0.08	0.54	0.18	0.47	0.22	NA	0.08
Temperature	C°	11.31	14.87	13.03	10.28	10.50	10.39	11.32	13.10	13.04	NA	12.78
Oxidation/Reduction Potential	mv	-121	-43	-165	-119.8	-66	-104.3	-60	-38.1	-37	NA	-137
Salinity	PSS	NA	0.19	NA	NA	0.26	NA	0.25	NA	0.23	NA	NA
Turbidity	NTU	20.0	0.3	13.0	0.00	1.46	0.00	2.09	23.00	1.3	NA	6.0
Sulfide	mg/L	0.36	0.02	0.01	NA	NA	NA	0.00	NA	0.05	NA	0.1
Dissolved Iron	mg/L	2.79	0.27	0.06	NA	NA	NA	1.97	NA	0.78	NA	5.72
Dissolved Manganese	mg/L	0.7	0.4	1.1	NA	NA	NA	0.6	NA	0.10	NA	0.9
Biogeochemical Parameters												
Nitrogen, Ammonia	mg/L	0.11	0.063	<0.050	NA	NA	NA	0.14	0.14	0.13	0.14	<0.050
Total Organic Carbon	mg/L	1.3	<1.0	6.0	NA	NA	NA	1.4	1.1	1.6	1.5	<1.0
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	NA	NA	NA	<0.050	0.21	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	NA	NA	NA	<0.050	<0.050	<0.050	<0.050	<0.050
Sulfate	mg/L	14	<5.0	32	NA	NA	NA	10	18	<5.0	<5.0	23
Chloride	mg/L	3.6	1.8	14	NA	NA	NA	4.2	11	3.6	3.7	4.4
Total Alkalinity	mg/L	330	250	28	NA	NA	NA	300	360	290	290	320
Dissolved Gases												
Ethane Gas in Water	µg/L	<1.0	<10	<1.0	NA	NA	NA	<1.0	<1.0	<5.0	<5.0	<1.0
Ethene Gas in Water	µg/L	<1.0	<10	<1.0	NA	NA	NA	12	<1.0	<5.0	<5.0	<1.0
Methane Gas in Water	µg/L	13	500	33	NA	NA	NA	88	5.0	81	89	<0.50

Notes:

ND (5.0)	-Not detected above analytical method reporting limits are listed in parenthesis.
S.U.	-Standard Units
NTU	-Nephelometric Turbidity Units
µS/cm	-MicroSiemens per Centimeter
mg/L	-Milligram per Liter
µg/L	-Microgram per Liter
C°	-Degrees Celsius
mv	-Millivolt
PSS	-Practical Salinity Scale
NA	-Not available.
NS	-Sample location not sampled.

Table 5
Summary of Analytical Data
Influent & Effluent Concentrations
Rose Township, Demode Road Site
Groundwater Extraction and Treatment System
Units as Given

Sampling Month:		Discharge	July Data		July Data		July Data		July Data		July Data		July
Sample Date:		Limitations	07/05/07	07/05/07	07/10/07	07/10/07	07/17/07	07/17/07	07/23/07	07/23/07	07/31/07	07/31/07	Monthly
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Average Effluent
Compound Name	***Units***												
Chlorobenzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Trichloroethylene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	3(m)	27	<1	17	<1	19	<1	21	<1	20	<1	<1
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	8.3	<2	11	<2	18	<2	18	2.8	19	7.3	2.0
PCB: aroclor 1016	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1221	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1232	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1242	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1248	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1254	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
PCB: aroclor 1260	ug/L	*	-	-	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/L	50(a)	-	6.6	-	4.2	-	3.7	-	3.9	-	4.2	4.5
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5	-	<5	-	<0.5	-	<0.5	-	<5	<5
Isophorone	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1	-	<1	-	<1	-	<1	-	<1	<1
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	-	-	-	-	<0.5	-	<0.5	-	-	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0012		0.0039		0.0052		0.0109		0.0055		
Cumulative Mass Removed[1]	lbs		488.89		489.03		489.69		490.44		492.53		

- = Not Analyzed
* = Discharge limitation is 0.00002 ug/L for total PCB's.
† = The air emission discharge limitation of 1.0 pounds per hour includes the emissions from the soil vapor extraction system.
(a) = Monthly Average
(m) = Daily Average
4.6 = Analyte above method detection limits (MDL)
[1] = Cumulative mass removed represents mass removed since start-up on June 4, 1997.

Table 5
Summary of Analytical Data
Influent & Effluent Concentrations
Rose Township, Demode Road Site
Groundwater Extraction and Treatment System
Units as Given

Sampling Month:		Discharge Limitations	August Data		August Data		August Data		August Data		August Monthly Average Effluent
Sample Date:			08/06/07	08/06/07	08/14/07	08/14/07	08/20/07	08/20/07	08/27/07	08/27/07	
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	
Compound Name	***Units***										
Chlorobenzene	ug/L	5(m)	-	-	-	<1	-	-	-	-	-
Methylene chloride	ug/L	5(m)	-	-	-	<1	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	5(m)	-	-	-	<1	-	-	-	-	-
Trichloroethylene	ug/L	5(m)	-	-	-	<1	-	-	-	-	-
Vinyl chloride	ug/L	3(m)	**19**	<1	**19**	**11**	**20**	**13**	**22**	<1	**6**
Benzene	ug/L	5(m)	-	-	<1	<1	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	<1	<1	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	**20**	**11**	**23**	**17**	**24**	**20**	**22**	<2	**12**
PCB: aroclor 1016	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1221	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1232	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1242	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1248	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1254	ug/L	*	-	-	<1	<1	-	-	-	-	-
PCB: aroclor 1260	ug/L	*	-	-	<1	<1	-	-	-	-	-
Arsenic, total	ug/L	50(a)	-	**3.8**	-	**3.8**	-	**11**	-	**4.9**	**5.9**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5	-	<5	-	<5	-	<5	<5
Isophorone	ug/L	5(m)	-	-	-	<5	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1	-	<1	-	<1	-	<1	<1
Naphthalene	ug/L	5(m)	-	-	-	<5	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	-	-	<5	-	-	-	<0.5	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0064		0.0024		0.0026		0.0071		
Cumulative Mass Removed[1]	lbs		492.53		493.76		494.12		494.55		

- = Not Analyzed
* = Discharge limitation is 0.00002 ug/L for total PCB's.
† = The air emission discharge limitation of 1.0 pounds per hour includes the emissions from the soil vapor extraction system.
(a) = Monthly Average
(m) = Daily Average
4.6 = Analyte above method detection limits (MDL)
[1] = Cumulative mass removed represents mass removed since start-up on June 4, 1997.

Table 5
Summary of Analytical Data
Influent & Effluent Concentrations
Rose Township, Demode Road Site
Groundwater Extraction and Treatment System
Units as Given

Sampling Month:		Discharge Limitations	September Data		September Data		September Data		September Data		September Monthly Average Effluent
Sample Date:			09/09/07	09/04/07	09/10/07	09/10/07	09/18/07	09/18/07	08/27/07	08/27/07	
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	
Compound Name	***Units***										
Chlorobenzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Methylene chloride	ug/L	5(m)	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Trichloroethylene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Vinyl chloride	ug/L	3(m)	**18**	<1	**19**	<1	**18**	<1	**20**	<1	<1
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	**24**	**2.5**	**24**	**4.4**	**22**	**3.6**	**25**	**5.2**	**4**
PCB: aroclor 1016	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1221	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1232	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1242	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1248	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1254	ug/L	*	-	-	-	-	-	-	-	-	-
PCB: aroclor 1260	ug/L	*	-	-	-	-	-	-	-	-	-
Arsenic, total	ug/L	50(a)	-	**4.2**	-	**5.6**	-	**7.4**	-	**5.7**	**5.7**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5	-	<5	-	<0.5	-	<5	<5
Isophorone	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1	-	<1	-	<1	-	<1	<1
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	-	-	-	-	<0.5	-	-	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0064		0.0063		0.0069		0.0069		
Cumulative Mass Removed[1]	lbs		494.55		495.61		496.68		498.01		

- = Not Analyzed
* = Discharge limitation is 0.00002 ug/L for total PCB's.
† = The air emission discharge limitation of 1.0 pounds per hour includes the emissions from the soil vapor extraction system.
(a) = Monthly Average
(m) = Daily Average
4.6 = Analyte above method detection limits (MDL)
[1] = Cumulative mass removed represents mass removed since start-up on June 4, 1997.

Table 6
Flow Data
Groundwater Extraction and Treatment System
Rose Township Site
3rd Quarter 2007

Well ID	Jul-07			Aug-07			Sep-07		
	Monthly Total (Gallons)	Aerage Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Aerage Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Aerage Flowrate (gpm)	% Operation
PW-1	2302116	52	73	4870422	109	90	5328375	123	100
PW-3	1492297	33	97	1302232	29	90	1345625	31	100
PW-4	2595835	58	97	2824107	63	90	2515750	58	100
PW-6	5094912	114	97	4699982	105	90	4881875	113	100
PW-7	1285896	29	94	1257411	28	90	1308875	30	100
PW-8	458221	10	94	616768	14	90	669375	15	88

Appendix A

1 of 2

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P RILEY
Weather: M CLOUDY CALM 75°

Well Identification: DNR7
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: BLADDER

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1720	—	—	300								
1730			300	8.18	406	0.34	11.67	-48.6	—	23	NONE
1735			300	8.06	416	0.16	11.39	-48.8	—	16	
1740			300	7.96	424	0.11	11.24	-56.7	—	6	
1745			300	7.86	447	0.09	11.35	-69.9	—	3	
1750			300	7.82	459	0.08	11.31	-84.4	—	2	
1755			300	7.76	471	0.08	11.36	-104.5	—	3	
1800			300	7.71	478	0.09	11.34	-113.4	—	2	
1805			300	7.65	488	0.07	11.26	-124.9	—	3	
1810			300	7.61	493	0.07	11.13	-130.1	—	1	
1815			300	7.51	496	0.06	11.03	-130.3	—	2	

Sampling Flow Rate: 300 mL/min
Controler/Pump Settings: 4 CPM 25 PSI
Sample Identification: DNR7-092607-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1827
QA/QC Sample Time: 1705

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: EB3
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 CT1 **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CT1 **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments: EQUIP BLANK EB3 COLLECTED BETWEEN WELLS MW 103S and DNR7 AFTER DECON.

Signature: Phil Riley **Date:** 9-26-07

EarthTech

Earth Tech 1275: Low Flow Form Version 2.5.xls Revision: 10/18/2006 - BJE Printed Date: 9/24/2007

Project Number: 96362.05 Well Identification: DNR 7

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	1.02	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.11	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.9	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

2 of 2

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P RILEY
Weather: M CLOUDY CALM 75°

Well Identification: DNR7
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1820			300	7.48	0.497	0.06	11.40	-130.5	—	1	
1825			300	7.47	0.493	0.05	11.47	-130.3	—	2	

Sampling Flow Rate: 300 mL/min
Controler/Pump Settings: 4 CPM 75 PSI
Sample Identification: DNR7-092607-AR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1827
QA/QC Sample Time: 1705

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: EB3
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CTI **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9-26-07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
OK (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: PRILEY
Weather: PCLOUDY 70°

Well Identification: MW103S
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: BLADDER

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity M µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1545			250								—
1555			250	10.20	0.206	0.49	13.34	-174.2	—	39	NONE
1600			250	10.24	0.200	0.41	13.10	-168.6	—	21	
1605			250	10.22	0.197	0.30	13.39	-168.9	—	16	
1610			250	10.23	0.197	0.26	13.22	-170.7	—	18	
1615			250	10.20	0.198	0.23	13.19	-168.7	—	14	
1620			250	10.15	0.200	0.24	13.07	-166.8	—	15	
1625			250	10.14	0.199	0.23	12.92	-165.9	—	13	
1630			250	10.12	0.199	0.22	12.99	-165.5	—	12	
1635			250	10.13	0.199	0.22	13.03	-165.1	—	13	

Sampling Flow Rate: 250 mL/min
Controler/Pump Settings: 4 CPM 100 PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1638
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2500P **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: Phil Riley **Date:** 9-26-07

EarthTech

Earth Tech 1275: Low Flow Form Version 2.5.xls Revision: 10/18/2006 - BJE Printed Date: 9/24/2007

Project Number: 96362.05 **Well Identification:** MW 103S

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.01	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.06	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

1 of 2

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: PRILEY
Weather: CLOUDS 70°

Well Identification: MW 3I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1200		—	200								
1210		—	200	7.08	521	0.42	11.82	-85.4	—	116	
1220		—	200	7.07	527	0.31	11.39	-89.9	—	119	
1225		—	200	7.10	538	0.15	11.40	-100.9	—	121	
1230		—	200	7.13	558	0.14	11.36	-114.0	—	98	
1235		—	200	7.19	568	0.13	11.39	-117.2	—	83	
1240			200	7.22	580	0.11	11.52	-121.6	—	69	
1245			200	7.23	591	0.09	11.19	-123.3	—	55	- POUR OUT CUP WAIT 10 MIN!
1255			200	7.24	587	0.14	11.43	-113.7	—	45	
1300			200	7.25	595	0.12	11.34	-109.7	—	41	
1305			200	7.24	594	0.19	11.36	-115.5	—	37	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: MW 3I-092607-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1348
QA/QC Sample Time: 1359

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: MW 3I-092607-PRMSMSD
QA/QC Sample Analysis:
Meter Info: YSI 556 CTI Calibration Date: 9-25-07
Second Meter Info: HACH 2100P CTI Calibration Date: 9-25-07
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 9-26-07

EarthTech

1 of 2

Project Number: 96362.05 **Well Identification:** MW3I

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.36	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	2.79	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.7	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

2 of 2

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund Site
Client: DiamlerChrysler
Project No: 96362.04
Personnel: B. Golen &
Weather:

Well Identification: MW 3I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1310	—										
1310			200	7.23	595	0.15	11.44	-118.2	—	31	
1315			200	7.22	596	0.10	11.46	-119.0	—	29	
1320			200	7.22	597	0.10	11.47	-120.8	—	27	
1325			200	7.21	597	0.09	11.47	-121.1	—	22	
1330			200	7.21	597	0.09	11.46	-121.3		21	
1335			200	7.21	597	0.10	11.39	-121.6		20	
1340			200	7.20	596	0.09	11.35	-121.9		21	
1345			200	7.20	598	0.09	11.31	-121.5		20	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: MW 3I-092607-PR
Sample Analysis: VOC+NA
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1348
QA/QC Sample Time: 1359

QA/QC Sample Type: ☒ None ☐ Duplicate ☒ MS/MSD
QA/QC Sample Name: MW31-092607-PR MSMSD
QA/QC Sample Analysis: VOC + NA
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CTI **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9-26-07

EarthTech

Project Number: 96362.05 Well Identification: MW 3I 2of2

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s):

Meter(s) Info:

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
			☐ Yes	
			☐ Yes	
			☐ Yes	
			☐ Yes	
			☐ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund Site
Client: DiamlerChrysler
Project No: 96362.~~04~~ 05
Personnel: ~~B. Colon &~~ P. RILEY
Weather:

Well Identification: RW5S
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
0945			175								
0955			175	7.16	606	0.24	12.85	-136.8	—	43	
1000			175	7.16	621	0.13	12.46	-141.1	—	31	
1005			175	7.15	627	0.12	12.24	-141.9	—	25	
1010			175	7.15	630	0.11	12.57	-139.7	—	19	
1015			175	7.15	633	0.09	12.20	-138.5	—	13	
1020			175	7.13	631	0.09	12.25	-138.2	—	9	
1025			175	7.14	633	0.09	12.55	-138.7	—	7	
1030			175	7.14	633	0.08	12.51	-138.5	—	8	
1035			175	7.14	632	0.08	12.78	-136.7	—	6	

Sampling Flow Rate: 175 mL/min
Controler/Pump Settings: 6 CPM 70 PSI
Sample Identification: RW5S-092607-PR
Sample Analysis: NA + VOC
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1038
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 Calibration Date: 9-25-07
Second Meter Info: HACH 2100P Calibration Date: 9-25-07
Water Level Meter Info: Calibration Date:

Comments:

Signature: Phillip Riley
Date: 9-26-07

EarthTech

Project Number: 96362.0~~4~~5 **Well Identification:** RW5S

Other Field Parameters

Required per the Sampling Plan: ☐Yes ☐No

Method(s):

Meter(s) Info:

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
S	0.10	mg/L APM	☒Yes	
			☐Yes	
Fe	5.72	mg/L	☒Yes	
			☐Yes	
MN	0.9	mg/L	☒Yes	
			☐Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VMENEA
Weather: 55F/SUNNY

Well Identification: GW22D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
13:00	—	—	150								
1310	—	—	"	6.60	420	2.34	13.24	7	0.21	6.31	CLEAR/NONE
1320	—	—	"	6.73	521	0.88	12.78	1	0.25	3.60	"
1330	—	—	"	6.90	538	0.37	12.77	-52	0.26	2.50	"
1340	—	—	"	6.93	540	0.27	12.81	-107	0.26	3.01	"
1350	—	—	"	6.91	542	0.35	13.40	-143	0.26	3.26	"
1355	—	—	"	6.87	546	0.34	13.35	-145	0.26	3.65	"
1400	—	—	"	6.90	550	0.28	13.40	-168	0.26	3.57	"

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW22D-092707-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1405
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: — **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.8	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	~~<0.04~~ 0.04	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.02	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Silght, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

OK (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM
Weather: SUNNY / 85 F

Well Identification: GW23I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1430	–	–	100								
1435	–	–	"	6.70	175	0.71	15.76	-147	0.08	3.18	CLEAR / ROTTEN EGGS
1440	–	–	"	6.67	129	0.56	15.46	-147	0.07	3.73	"
1445	–	–	"	6.62	539	0.49	15.59	-148	0.26	3.85	"
1450	–	–	"	6.64	532	0.31	15.70	-154	0.26	3.97	"
1455	–	–	"								
1500	–	–	"	6.67	536	0.24	15.95	-171	0.26	3.67	"
1505	–	–	"	6.73	541	0.21	16.10	-187	0.26	3.42	"
1515	12.03	–	"	6.76	558	0.21	16.42	-213	0.27	5.23	"
1520	"	–	"	6.77	559	0.20	16.41	-218	0.27	5.04	"
1525	"	–	"	6.78	555	0.20	16.67	-225	0.27	5.37	"

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW23I - 092707 - VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1531
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: –
QA/QC Sample Analysis: –
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: HELON **Calibration Date:**

Comments:

Signature: _____ **Date:** _____

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.08	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.02	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.7	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: GW22I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
9:10	23.06	—	175								CLEAR / NONE
9:20	23.11	0.15	175	6.67	546	6.66	11.72	219	0.26	5.42	"
9:30	"	"	"	6.61	547	6.53	11.63	226	0.26	3.40	"
9:35	"	"	"	6.59	546	6.42	11.72	229	0.26	2.78	"
9:40	"	"	"	5.10	550	6.58	11.65	230	0.26	2.74	"
9:45	"	"	"	6.43	546	6.16	11.72	225	0.26	2.82	"
10:00	"	"	"	6.3	547	0.70	11.12	-13	0.26	2.82	CLEAR / MODERATE
10:15	23.15	0.05	<175	6.30	548	0.52	11.31	-45	0.26	2.76	"
10:25	"	"	175	6.30	548	0.48	11.48	-57	0.26	2.43	"
10:30	"	"	"	6.29	549	0.41	11.50	-60	0.26	3.82	"
10:35	"	"	"	6.30	548	0.39	11.37	-63	0.26	3.71	"

Sampling Flow Rate: 175 mL/min	Sample Time: 1040	QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD	
Controler/Pump Settings: — CPM — PSI		QA/QC Sample Name: —	
Sample Identification: GW22I-092707-VM		QA/QC Sample Analysis: —	
Sample Analysis: VOC + NA	QA/QC Sample Time:	Meter Info: PORTABLE SAMPLER	Calibration Date:
Field Filtered Analysis: None		Second Meter Info:	Calibration Date:
Other Field Parameters ☒ Yes (See Reverse) ☐ No		Water Level Meter Info: HERON	Calibration Date:

Comments:

Signature: [signature] Date: 09/27/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.08	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	2.18	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.4	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: GW22S
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
11:00	29.83	–	150								
11:05	30.04	0.19	"	6.61	307	1.18	12.12	-75	0.14	3.09	CLEAR/MODERATE
11:10	"	"	"	6.71	328	0.98	12.60	-78	0.15	2.84	"
1115	"	"	"	6.77	349	0.76	12.64	-84	0.16	2.76	"
1120	"	"	"	6.77	386	0.68	12.65	-90	0.18	3.04	"
1125	"	"	"	6.71	458	0.64	12.12	-94	0.22	2.60	"
1130	"	"	"	6.68	475	0.58	12.11	-97	0.23	2.84	"
1135	"	"	"	6.67	474	0.57	12.79	-98	0.23	2.79	"
1140	"	"	"	6.64	475	0.54	12.71	-100	0.23		

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW22S-092707-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 1145
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: PORTABLE SAMPLER Calibration Date:
Second Meter Info: Calibration Date:
Water Level Meter Info: HERON Calibration Date:

Comments:

Signature: Date:

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.07	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	4.4	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

OK (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: FB3 [NEXT TO GW22S]
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1135
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Calibration Date:
Second Meter Info: Calibration Date:
Water Level Meter Info: Calibration Date:

Comments:

Signature: Date:

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well-skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: B. Earl & V. Mehra
Weather: ~85°F, Sunny, Breezy

Well Identification: GW-195
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1610	Artes	—	~3GPM								Clear/None
1615	"	—	"	6.20	559	0.16	10.46	-58	0.27	7.05	Clear/None
1625	"	—	"	6.19	559	0.14	10.51	-60	0.27	0.33	"/"
1630	"	—	"	6.19	559	0.13	10.46	-60	0.27	0.57	"/"
1635	"	—	"	6.19	559	0.13	10.44	-61	0.27	0.82	"/"

Sampling Flow Rate: ~3GPM mL/min
Controler/Pump Settings: — CPM PSI
Sample Identification: GW195-092407-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1640
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Quanta **Calibration Date:** 9/24/07
Second Meter Info: Hach 2100P **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-195

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.04	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.76	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.0	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info: (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: B. Earl, J. V. Mehra
Weather: ~80°F, Sunny, Breezey

Well Identification: GW-17D
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1650	Artesian	—	~2GPM								Clear/None
1655	"	—	"	6.27	576	0.28	10.21	-48	0.26	3.50	"/"
1700	"	—	"	6.25	576	0.17	10.32	-60	0.27	7.25	Clear/Moderate
1705	"	—	"	6.25	575	0.14	10.31	-66	0.27	0.65	Clear/None
1710	"	—	"	6.25	575	0.14	10.35	-69	0.27	0.47	"/"
1715	"	—	"	6.24	575	0.13	10.30	-72	0.27	0.29	"/"
1720	"	—	"	6.25	575	0.12	10.29	-74	0.27	0.33	"/"

Sampling Flow Rate: ~2GPM mL/min
Controler/Pump Settings: — CPM PSI
Sample Identification: GW17D-092407-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 1725
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Quanta Calibration Date: 9/24/07
Second Meter Info: Hach 2100P Calibration Date: —
Water Level Meter Info: — Calibration Date: —

Comments:

Signature: [signature] Date: 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-17D

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.04	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	2.38	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.0	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: B. Earl, V. Mehra, P. Riley
Weather: Sunny, ~75°F, Breezey

Well Identification: GW-215
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1215	Art	—	3GPM								Clear/None
1220	"	—	"	7.09	562	0.74	10.45	101	0.27	637	Cloudy/None
1225	"	—	"	6.62	568	0.47	10.34	52	0.27	320	"/"
1230	"	—	"	6.32	572	0.36	10.19	17	0.27	27.3	CLEAR/NONE
1235	"	—	"	6.18	574	0.31	10.20	3	0.27	11.4	"/"
1240	"	—	"	6.11	576	0.28	10.26	2.7	0.28	7.57	"/"
1245	"	—	"	6.08	577	0.27	10.21	-17	0.28	4.4	"/"
1250	"	—	"	6.06	577	~~0.28~~ 0.25	10.22	-21	0.28	3.66	"/"
1255	"	—	"	6.06	578	0.24	10.20	-24	0.28	3.04	"/"

Sampling Flow Rate: 3GPM ~~mL/min~~
Controler/Pump Settings: — CPM PSI
Sample Identification: GW215-092407-BE-[illegible]
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1300
QA/QC Sample Time: Same

QA/QC Sample Type: ☐ None ☐ Duplicate ☒ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: Quanta **Calibration Date:** 9/24/07
Second Meter Info: Hach 2100P **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-215

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.02	mg/L	☒ Yes ☐ Yes	Sep 2010 / Jan 2012
Diss. Fe	1.62	mg/L	☒ Yes ☐ Yes	Feb 2011
Diss. Mn	1.1	mg/L	☒ Yes ☐ Yes	Jan 2012 / Feb 2012

Well Information:

Well Condition: ☐ Good ☐ Ok ☒ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number: None

Well Plug Type/Condition: Artesian

Well Riser Material/Diameter: 2" dia Sch 40 PVC

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: Q. Earl, V. Mehra, & P. Riley
Weather: ~80°F, Sunny, Breezy

Well Identification: GW-21D
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1105	Art	—	3GPM								Clear/None
1110	Art	—	3GPM	6.24	493	0.70	10.10	-33	0.23	>1,000	Cloudy/None
1317	Art	—	3GPM	6.23	495	0.29	10.09	-44	0.24	111	Cloudy/None
1320	"	—	"	6.24	496	0.23	10.09	-48	0.24	27.7	Clear/None
1325	"	—	"	6.25	497	0.20	10.09	-52	0.24	15.5	"
1330	"	—	"	6.26	497	0.19	10.09	-54	0.24	8.30	"

Sampling Flow Rate: 3GPM mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW21D-092407-BE
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1335
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Quanta **Calibration Date:** 9/24/07
Second Meter Info: 2100P **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 9/24/07

EarthTech

Project Number: 96362.05 Well Identification: C W-2D

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.03	mg/L	☒ Yes ☐ Yes	Sep 2010/ Jan 2012
Diss. Fe	1.23	mg/L	☒ Yes ☐ Yes	Feb 2011
Diss. Mn	0.7	mg/L	☒ Yes ☐ Yes	Jan/Feb 2012

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info: (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V. Mehra & P. Riley
Weather: ~85°F, Sunny, Breezy.

Well Identification: GW-20D
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
~~[illegible]~~	Art	–	3-5GPM								
14:00 1405		-	"	6.39	0.553	0.33	10.15	-18	0.26	4.72	WEAK / NONE
1410				6.30	0.554	0.29	10.13	-33	0.26	1.81	"
1415				6.26	555	0.25	10.08	-41	0.24	0.52	"
1420	"	–	"	6.24	555	0.21	10.10	-48	0.26	0.51	"
14:25	"	–	"	6.22	556	0.18	10.09	-52	0.27	0.37	"
1430	"	–	"	6.22	557	0.17	10.10	-56	0.27	0.24	"/"
1435	"	–	"	6.22	557	0.16	10.10	-58	0.27	0.44	"/"

Sampling Flow Rate: 3.5 GPM mL/min
Controler/Pump Settings: — CPM PSI
Sample Identification: GW20D-092407-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1440
QA/QC Sample Time: –

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Quanta **Calibration Date:** 9/24/07
Second Meter Info: Hach 2100P **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: _____ **Date:** 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-20D

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.03	mg/L	☒ Yes ☐ Yes	Sep 2010/Jan 2012
Diss. Fe	1.83	mg/L	☒ Yes ☐ Yes	Feb 2011
Diss. Mn	1.0	mg/L	☒ Yes ☐ Yes	Jan 2012/Feb 2012

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V. Mehra & P. Riley
Weather: ~85°F, Sunny, Breezy

Well Identification: GW-20I
Water Level Before Pump Placement: Artesian [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: Natural Flow

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1455	Art.	0	4GPM								Clear/None
1500	"	—	"	6.26	583	0.35	9.95	-17	0.28	1.4	"/"
1505	"	—	"	6.21	584	0.24	9.88	-31	0.28	0.23	"/"
1510	"	—	"	6.19	584	0.21	9.91	-39	0.28	0.26	"/"
1515	"	—	"	6.16	584	0.19	9.88	-43	0.28	0.45	"/"
1520	"	—	"	6.18	584	0.18	9.90	-46	0.28	0.22	

Sampling Flow Rate: 4 GPM mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW20I-092407-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:

QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☒ Duplicate ☐ MS/MSD
QA/QC Sample Name: GW20R-092407-VM
QA/QC Sample Analysis: VOC + NA
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:** 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-20I

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.16	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.82	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.9	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHTA / B. BALL
Weather: 85F, SUNNY.

Well Identification: GW19D
Water Level Before Pump Placement: — [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: Neutral

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1545	ART	—	4 GPM								
1550	"	—	"	6.26	579	0.29	10.37	-40	0.28	1.45	CLEAR / NONE
1555	"	—	"	6.20	579	0.20	10.38	-46	0.28	0.52	" / "
1600	"	—	"	6.18	579	0.17	10.33	-51	0.28	0.35	" / "
1605	"	—	"	6.18	579	0.16	10.32	-53	0.28	0.25	" / "
1610	"	—	"	6.17	579	0.15	10.34	-55	0.28	0.65	

Sampling Flow Rate: 4 GM mL/min
Controler/Pump Settings: — CPM PSI
Sample Identification: GW19D-092407-VN
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1615
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Quanta **Calibration Date:** 9/24/07
Second Meter Info: Hach 2100P **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 9/24/07

EarthTech

Project Number: 96362.05 **Well Identification:** GW-19D

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.05	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.88	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.2	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P RILEY
Weather: P CLOUDY 75 BREEZY

Well Identification: GW4D
Water Level Before Pump Placement: FLOWING [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERIST.

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1400	0	0	300								
1410	0	0	300	7.67	0.543	0.10	10.59	-157.3	—	6	
1415	"	"	"	7.60	554	0.05	10.60	-158.5	—	159	
1420	"	"	"	7.47	564	0.06	10.63	-141.0	—	120	
1425	"	"	"	7.34	578	0.05	10.69	-127.8	—	57	
1430	"	"	"	7.30	583	0.05	10.65	-122.7	—	27	
1435	"	"	"	7.24	586	0.05	10.71	-118.2	—	15	
1440	"	"	"	7.23	588	0.04	10.72	-117.6	—	9	
1445	"	"	"	7.22	588	0.03	10.74	-116.6	—	8	
1450	"	"	"	7.21	588	0.03	10.74	-116.7	—	7	
1455	"	"	"	7.20	588	0.03	10.70	-116.5	—	5	

Sampling Flow Rate: 300 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW4D-092707-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1457
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis:
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CTI **Calibration Date:** 9-25-07
Water Level Meter Info: — **Calibration Date:**

Comments:

Signature: Phillip Riley **Date:** 9-27-07

EarthTech

Project Number: 96362.05 Well Identification: GW-40

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.05	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	2.14	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.3	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P RILEY
Weather: CLEAR BREEZY 70°

Well Identification: GW24I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERISTALTIC

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1520	—	—	300								
1530	—	—	300	7.23	557	0.17	11.60	-9.7	—	2	
1535	—	—	300	7.22	559	0.10	11.53	-56.7	—	2	
1540	"	"	"	7.23	560	0.07	11.45	-80.1	—	1	
1545	"	"	"	7.22	560	0.06	11.39	-83.9	—	1	
1550	"	"	300	7.21	561	0.06	11.37	-94.3	—	1	
1555	"	"	300	7.21	562	0.05	11.35	-99.0	—	2	
1600	"	"	300	7.20	562	0.05	11.37	-102.0	—	1	
1605	"	"	300	7.19	563	0.04	11.34	-103.4	—	1	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW24I-092707-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1607
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: YSI 556 CT1 **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CT1 **Calibration Date:** 9-25-07
Water Level Meter Info: — **Calibration Date:**

Comments:

Signature: Phillip Riley **Date:** 9-27-07

EarthTech

Project Number: 96362.05 Well Identification: GW-24I

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.06	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.87	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.7	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

OK (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P. RILEY
Weather: M. SUNNY 70° BREEZY

Well Identification: DNR4D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERISTALTIC.

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1205											
1215	—	—	300	7.85	476	0.30	12.38	-103.7	—	13	
1220	—	—	300	7.81	477	0.18	12.06	-104.9	—	10	
1225	—	—	300	7.81	477	0.19	12.23	121.1	—	8	
1230	—	—	300	7.81	477	0.18	12.28	124.7	—	7	
1235	—	—	300	7.82	477	0.16	12.39	124.8	—	6	
1240	—	—	300	7.82	477	0.15	12.47	120.6	—	4	
1245	—	—	300	7.82	477	0.15	12.45	122.9		3	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: DNR4D-092707-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1248
QA/QC Sample Time: 1258

QA/QC Sample Type: ☐ None ☒ Duplicate ☐ MS/MSD
QA/QC Sample Name: DNR4D-092707-PR DUP
QA/QC Sample Analysis: VOC + NA
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACS 2100P CTI **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: PRC Riley **Date:** 9-27-07

EarthTech

Project Number: 96362.05 Well Identification: DMR4D

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.24	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.28	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.60	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: PRIKEY
Weather: COOL 60° CLOUDY

Well Identification: DNR #1
Water Level Before Pump Placement: 0 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERIST

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
0850	0	—	250								
0905	0	—	250	7.34	530	0.04	12.37	-143.9	—	7	
0910	0	—	250	7.35	530	0.04	12.12	-147.0	—	6	
0915	0	—	250	7.35	530	0.04	11.91	-145.3	—	4	
0920	0	—	250	7.36	531	0.04	11.87	-144.1	—	3	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: DNR1-092707-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0925
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: YSI # 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100P CTI **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: Phil Prikey **Date:** 9-27-07

EarthTech

Project Number: 96362.05 **Well Identification:** DNR 1

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.15	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.96	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.0	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM
Weather: 80F / HEAVY

Well Identification: GW25D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1728	4.11	–	150								
1738	4.12	0.02	"	6.79	532	0.29	12.88	-175	0.25	1.85	CLEAR / STRONG
1748	"	"	"	6.87	532	0.21	12.79	-209	0.25	1.43	"
1753	"	"	"	6.87	532	0.20	12.71	-217	0.25	1.12	"
1758	"	"	"	6.91	532	0.19	12.54	-225	0.25	1.25	"
1603	"	"	"	6.86	533	0.19	12.47	-229	0.26	1.36	"
1608	"	"	"	6.89	534	0.19	12.44	-232	0.26	1.43	"

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW25D-092607-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1612
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.02	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.04	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Silght, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order, may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info: (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V. MERRY
Weather: 65F / CLOUDY

Well Identification: MW102D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PER

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
945	20.28	—	100								CLEAR/NONE
950	20.20	0.082	"	7.42	382	0.86	13.61	186	0.18	3.84	"
955	20.28	0.0 0.1	"	7.13	385	0.85	13.71	190	0.18	3.32	"
1000	20.28	0.1	"	7.03	385	0.64	13.82	189	0.18	3.06	"
1005	20.28	0.1	"	6.95	385	0.66	13.88	186	0.18	2.48	"
1010	20.28	0.1	"	6.88	386	0.57	13.97	177	0.18	2.86	"
1015	"	"	"	6.83	387	0.51	13.88	165	0.18	1.23	"
1020	"	"	"	6.84	390	0.38	13.85	149	0.18	1.93	"
1025	"	"	"	6.86	390	0.41	13.98	142	0.18	0.68	"
1030	"	"	"	6.82	392	0.40	13.98	129	0.19	0.78	"
1035	"	"	"	6.81	393	0.35	13.93	111	0.19	0.64	"

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1202
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9/26/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: MW102 D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1040	"	"	"	6.85	393	0.40	13.91	98	0.19	0.59	
1045	"	"	"	6.85	393	0.37	13.99	81	0.19	0.52	
1050	"	"	"	6.84	393	0.33	14.10	69	0.19	0.63	
1055	"	"	"	6.87	393	0.31	13.96	54	0.19	0.53	
1100	"	"	"	6.86	394	0.30	14.16	32	0.19	0.58	
1105	"	"	"	6.86	396	0.31	13.89	27	0.19	0.55	
1115	"	"	"	6.90	404	0.28	13.95	6	0.20	0.68	
1125	"	"	"	6.92	397	0.26	13.82	-8	0.19	0.50	
1135	"	"	"	6.92	398	0.26	14.11	-20	0.19	0.36	
1145	"	"	"	6.92	400	0.26	14.44	-32	0.19	0.42	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1202
QA/QC Sample Time: —

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: GW103D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1150	"	"	"	6-89	400	0-26	14-55	-38	0-19	0-34	
1155	"	"	"	6-92	401	0-27	14-67	-40	0-19	0-27	
1200	"	"	"	6-91	402	0-25	14-87	-43	0-19	0-32	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW103D-092607-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1202
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: PORTABLE SAMPLER Calibration Date:
Second Meter Info: Calibration Date:
Water Level Meter Info: HERON Calibration Date:

Comments:

Signature: [signature] Date: 9/26/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0-02	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0-27	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0-4	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHRA
Weather: SUNNY / 75F

Well Identification: RW1D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1320	22.99	—	150								CLEAR/NONE
1330	23.05	0.06	"	~~6.69~~	484	0.40	13.31	65	0.23	2.46	"
1340	"	"	"	6.71	484	0.31	13.13	36	0.23	3.28	"
1350	"	"	"	6.63	484	0.26	13.10	-5	0.23	1.48	"
1400	"	"	"	6.66	484	0.25	13.12	-17	0.23	2.04	"
1405	"	"	"	6.66	484	0.24	13.09	-22	0.23	1.29	"
1410	"	"	"	6.66	485	0.24	12.99	-28	0.23	0.90	"
1415	"	"	"	6.69	484	0.23	13.19	-33	0.23	1.41	
1420	"	"	"	6.69	484	0.22	13.04	-37	0.23	1.30	

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: RW1D-092607-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1430
QA/QC Sample Time: 1445

QA/QC Sample Type: ☐ None ☒ Duplicate ☐ MS/MSD
QA/QC Sample Name: RW1D-092607-VM-DUP
QA/QC Sample Analysis: VOC + NA
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: — **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09/26/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.05	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.78	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM
Weather: CLOUDY / 80F

Well Identification: GW25I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1605	7.90	–	200								CLEAR/MODERATE
1615	7.92	0.02	"	6.45	523	0.27	13.14	54	0.25	2.07	CLEAR/STRONG
1625	"	"	"	6.43	523	0.23	13.16	-36	0.25	3.05	"
1635	"	"	"	6.45	523	0.19	13.08	-102	0.25	2.87	"
1640	"	"	"	6.46	523	0.19	12.98	-106	0.25	1.18	"
1645	"	"	"	6.45	523	0.18	12.87	-116	0.25	1.47	"
1650	"	"	"	6.40	525	0.16	12.95	-130	0.25	0.89	"
1700	"	"	"	6.39	526	0.16	12.79	-134	0.25	1.12	"
1705	"	"	"	6.40	526	0.16	12.71	-136	0.25	1.46	"

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW25I-092607-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 1712
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: –
QA/QC Sample Analysis: –
Meter Info: PORTABLE SAMPLER Calibration Date: –
Second Meter Info: – Calibration Date:
Water Level Meter Info: HERON Calibration Date:

Comments:

Signature: [signature] Date: 09/26/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.01	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.82	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel:
Weather:

Well Identification: FB2 [NEXT TO GW258]
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: FB2-092607-VM
Sample Analysis: VOC ~~RMA~~
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1435
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ~~☐ Duplicate~~ FIELD BLANK ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: Calibration Date:
Second Meter Info: Calibration Date:
Water Level Meter Info: Calibration Date:

Comments:

Signature: Date:

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHTA / P RILEY
Weather: 70, CLOUDY

Well Identification: GW 172
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: NATURAL

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
8:57	Art	—	4 GPM								CLEAR / NONE
9:02	"	"	"	6.50	564	0.34	9.87	74	0.27	84	"
9:07	"	"	"	6.36	566	0.27	9.84	2	0.27	3.72	"
9:12	"	"	"	6.29	567	0.22	9.88	-26	0.27	1.37	"
9:17	"	"	"	6.25	567	0.19	9.86	-39	0.27	1.17	"
9:22	"	"	"	6.23	567	0.18	9.84	-46	0.27	0.81	"
9:27	"	"	"	6.22	568	0.16	9.82	-51	0.27	0.41	"
9:32	"	"	"	6.22	567	0.16	9.84	-55	0.27	0.36	"
9:37	"	"	"	6.22	567	0.15	9.84	-57	0.27	0.30	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 Well Identification:

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.76	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.3	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info: (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MERRA / P RILEY
Weather: 70F / SUNNY

Well Identification: GW18
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: Natural

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
10:00	Art	–	3GPM								CLEAR/NONE
10:05	"	"	"	6-28	556	0-17	10-30	-63	0-27	11-3	"
10:10	"	"	"	6-26	555	0-15	10-29	-64	0-26	2-02	"
10:15	"	"	"	6-25	555	0-14	10-28	-66	0-26	0-53	"
10:20	"	"	"	6-24	555	0-14	10:30	-66	0-26	0-38	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.02	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.48	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM / PR
Weather: CLOUDY, 50F

Well Identification: GW5B
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: ~~NO~~ NATURAL

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
10:48	ART	—	0.5GPM								CLEAR/NONE
10:53	"	"	"	6.26	559	0.58	11.81	-49	0.27	4.16	"
10:58	"	"	"	6.25	559	0.53	11.10	-54	0.27	9.20	"
11:03	"	"	"	6.24	557	0.46	11.54	-58	0.27	27.4	"
11:08	"	"	"	6.25	557	0.43	11.70	-60	0.27	12.8	"
11:13				6.23	557	0.42	11.71	-61	0.27	6.79	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:

QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.10	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	~~0.71~~ 1.55	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM / PR
Weather: 70F, CLOUDY

Well Identification: GW 6D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: NATURAL

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
11:42	Art	—	350M								
11:47	"	"	"	6.31	541	0.21	10.52	-63	0.26	4.70	CLEAR / NONE
~~11:52~~ 1152	"	"	"	6.28	541	0.20	10.80	-65	0.26	1.15	"
1157	"	"	"	6.26	540	0.19	10.90	-66	0.26	0.44	"
1202	"	"	"	6.24	541	0.16	10.86	-67	0.26	0.19	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:

QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.03	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.69	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.1	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order, may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM / PR
Weather: SUNNY, 70F

Well Identification: PW7
Water Level Before Pump Placement: [feet btoc]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PUMPING WELL

Time [hhmm]	Depth to Water [ft btoc]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1323	PW	—	0.54gpm								CLEAR/NONE
1328	"	"	"	6.31	531	0.41	11.42	49	0.25	2.36	"
1333	"	"	"	6.27	531	0.27	11.40	-19	0.25	2.03	"
1338	"	"	"	6.25	532	0.24	11.38	-31	0.25	2.22	"
1343	"	"	"	6.23	532	0.22	11.35	-41	0.25	2.68	"
1348	"	"	"	6.22	534	0.20	11.36	-50	0.26	2.77	"
1353	"	"	"	6.21	532	0.19	11.33	-55	0.25	2.73	"
1358	"	"	"	6.22	533	0.18	11.34	-58	0.25	2.18	"
1403	"	"	"	6.21	534	0.18	11.32	-60	0.25	2.09	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time:
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	~~0.00~~	mg/L	☒ Yes	
	1.97		☐ Yes	
Diss. Mn	0.0	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VM / PZ
Weather: SUNNY, 80F

Well Identification: PW4
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PUMPING WELL

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1425	PW	—	2 GPM								CLEAR/NONE
1430	"	"	"	6.22	549	0.12	10.25	-45	0.26	1.31	"
1435	"	"	"	6.22	547	0.11	10.51	-52	0.26	~~2.98~~ 0.19	"
1440	"	"	"	6.22	547	0.11	10.51	-57	0.26	0.38	"
1445	"	"	"	6.21	547	0.09	10.50	-61	0.26	1.15	"
1450	"	"	"	6.21	547	0.09	10.51	-63	0.26	0.55	"
1455	"	"	"	6.21	547	0.08	10.50	-66	0.26	1.46	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☒ No

Sample Time:

QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: **Date:**

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P. RILEY
Weather: INDOORS

Well Identification: PW6
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [mL/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1435	—	—	30								
1440	—	—		7.08	0.583	0.47	10.40	-110.4	—	1	
1445	—	—		7.07	0.584	0.68	10.40	-108.4	—	0	
1450	—	—		7.08	0.584	0.57	10.40	-107.4	—	1	
1455	—	—		7.08	0.584	0.56	10.40	-106.2	—	1	
1500	—	—		7.09	0.584	0.57	10.40	-105.7	—	1	
1505				7.08	0.584	0.54	10.39	-104.3	—	0	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW6-092507-PR
Sample Analysis: VOC ~~+NA~~
Field Filtered Analysis: None
Other Field Parameters ~~☒ Yes~~ (See Reverse) ☒ No

Sample Time: 1508
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 CT 1 Calibration Date: 9-25-07
Second Meter Info: HACH 2100P CT1 Calibration Date: 9-25-07
Water Level Meter Info: Calibration Date:

Comments:

Signature: Phillip Riley Date: 9-25-07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: P. RILEY
Weather: INDOORS

Well Identification: PW8
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate ~~[ml/min]~~ GPM	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1310	—	—	18gpm								
1320	—	—		6.73	0.709	0.49	13.21	47.6	—	34	
1325	—	—		6.80	0.688	0.48	13.10	-20.6	—	30	
1330	—	—		6.82	687	0.49	13.09	-26.8	—	18	
1335	—	—		6.83	687	0.47	13.10	-31.7	—	16	
1340				6.84	688	0.46	13.10	-34.9	—	22	
1345	—	—		6.84	688	0.48	13.10	-37.9	—	20	
1350	—	—		6.85	688	0.45	13.11	-37.8	—	22	
1355	—	—		6.85	688	0.47	13.10	-38.1	—	23	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW8-092507-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1358
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH 2100 **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9-25-07

EarthTech

Project Number: 96362.05 **Well Identification:** PW8

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.00	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	1.74	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.5	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: PRICEY
Weather: INDOORS

Well Identification: PW 1
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type:

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1410											
1415				7.03	570	0.03	10.29	-111.2	—	6	
1420				7.04	570	0.02	10.29	-115.4	—	0	
1425				7.05	570	0.02	10.29	-118.3	—	0	
1430				7.05	570	0.02	10.28	-119.8	—	0	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW1-092507-PR
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters: ~~Yes~~ (See Reverse) (No)

Sample Time: 1433
QA/QC Sample Time:

QA/QC Sample Type: ☐ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 CTI **Calibration Date:** 9-25-07
Second Meter Info: HACH P2100 CTI **Calibration Date:** 9-25-07
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: Phillip Riley **Date:** 9-25-07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide		mg/L	☒ Yes	
			☐ Yes	
Diss. Fe		mg/L	☒ Yes	
			☐ Yes	
Diss. Mn		mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: (feet) **Well Screen Interval:** to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie: Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie: None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order, may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHTA
Weather: WINDY/CLOUDY/65F

Well Identification: GW26D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PBRT

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1655	14.62	—	100								CLEAR/NONE
1700	14.78	0.16	"	7.15	270	2.05	12.20	-137	0.13	1.76	"
1715	"	"	"	7.22	269	1.76	12.07	-150	0.13	1.08	"
1720	"	"	"	7.24	270	1.61	12.01	-155	0.13	2.17	"
1725	"	"	"	7.26	269	1.59	12.03	-159	0.13	1.44	"
1730	"	"	"	7.26	270	1.66	12.40	-161	0.13	1.24	"

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW26D-100107-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1740
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: HACH **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: [signature] **Date:** 10/01/07

EarthTech

S	0.17
Mn	0.3
Fe	0.14

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHRA
Weather: BREEZY / COLD / WET

Well Identification: GW26I
Water Level Before Pump Placement: — [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1525	17.72	—	100								CLEAR / NONE
1540	18.00	0.28	"	6.39	512	8.72	13.11	-3	0.24	1.86	"
1545	"	"	"	6.46	525	4.89	12.98	-13	0.25	2.47	" / MILD
1600	"	"	"	6.62	531	1.75	12.83	-61	0.25	1.02	"
1615	"	"	"	6.67	533	1.03	12.62	-83	0.25	1.17	"
1620	"	"	"	6.68	533	0.77	12.67	-91	0.25	1.36	"
1625	"	"	"	6.69	534	0.75	12.79	-97	0.26	2.41	"
1630	"	"	"	6.70	535	0.71	12.85	-101	0.26	1.40	"

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW26I-100107-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1445
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: PORTABLE SAMPLER Calibration Date:
Second Meter Info: HACH Calibration Date:
Water Level Meter Info: HERON Calibration Date:

Comments:

Signature: [signature] Date: 10/01/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.13	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.25	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	0.6	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☐ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☐ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: VINEMRA
Weather: RAINY / 70F

Well Identification: GW23D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
1240	9.75	—	100								
1250	9.50	0.25	"	6.46	527	3.01	13.29	174	0.25	—	CHANGED TO MEMBRANE
1315	"	"	"								
1320	"	"	"	7.05	542	1.46	13.51	147	0.26	2.69	CLEAR / SLIGHT ~~CLOUDY~~
1325	"	"	"	6.77	516	1.24	13.52	130	0.25	4.19	"
1340	"	"	"	6.48	520	1.87	14.55	-24	0.25	1.44	"
1345	"	"	"	6.50	519	1.84	14.19	-43	0.25	3.43	"
1400	"	"	"	6.51	525	0.53	13.49	-128	0.25	0.48	"
1415	"	"	"	6.59	531	0.73	13.10	-172	0.25	2.76	"
1420	"	"	"	6.58	534	0.64	13.83	-180	0.26	2.89	"
1425	"	"	"	6.58	534	0.68	14.04	-184	0.26	2.13	"

Sampling Flow Rate: 100 mL/min	Sample Time: 1445	QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD	
Controler/Pump Settings: — CPM — PSI		QA/QC Sample Name: —	
Sample Identification: GW23D - 100107 - VM	QA/QC Sample Time:	QA/QC Sample Analysis: —	
Sample Analysis: VOC + NA		Meter Info: PORTABLE SAMPLER	Calibration Date:
Field Filtered Analysis: None		Second Meter Info: HACH	Calibration Date:
Other Field Parameters ☒ Yes (See Reverse) ☐ No		Water Level Meter Info: HERON	Calibration Date:
Comments:			

Signature: [signature] **Date:** 10/01/07

EarthTech

Project Number: 96362.05 **Well Identification:**

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.02	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.09	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	1.3	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (if high or very high)

Well Condition - Good (Well is in perfect working order, may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)
Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)
Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHTA
Weather: 6 70F / RAINING

Well Identification: GW23S
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERI

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
10:40	10.47	—	100								CLEAR / NONE
1045	10.50	0.03	"	6.37	518	5.13	13.59	118	0.25	2.25	"
1050	"	"	"	6.36	518	5.46	13.38	134	0.25	3.89	"
1100	"	"	"	6.38	518	5.42	13.31	150	0.25	2.67	"
1105	"	"	"	6.37	518	5.39	13.16	153	0.25	1.42	"
1120	"	"	"	6.38	523	6.35	13.12	166	0.25	2.42	"
1125	"	"	"	6.37	523	6.27	13.02	170	0.25	4.67	"
1130	"	"	"	6.38	523	6.02	13.09	173	0.25	3.47	"
1135	"	"	"	6.37	523	5.87	13.04	175	0.25	4.02	"
1140	"	"	"	6.39	524	5.25	13.04	178	0.25	2.47	"

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23S-100107-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1200
QA/QC Sample Time: 1210

QA/QC Sample Type: ☐ None ☒ Duplicate ☐ MS/MSD
QA/QC Sample Name: GW23S-100107-VM-DUP
QA/QC Sample Analysis: VOC + NA
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: HACH **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: [signature] **Date:** 10/01/07

EarthTech

Earth Tech 1275: Low Flow Form Version 2.5.xls Revision: 10/18/2006 - BJE Printed Date: 8/24/2007

Project Number: 96362.05 Well Identification:

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0.03	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.13	mg/L	☒ Yes	
			☐ Yes	
Diss. Mn	2.3	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well-skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info: (Additional Calibrated Equipment and Info, etc.)

EarthTech

LOW-FLOW (MINIMAL DRAW-DOWN) FIELD PURGE FORM

Site: Rose Twp. Superfund
Client: Chrysler
Project No: 96362.05
Personnel: V MEHRA
Weather: 70F / RAINY

Well Identification: GW24D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERS.

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
915	4.54	~~4.54~~	100								"
935	4.66	0.12	100	6.59	550	0.75	13.06	189	0.26	2.70	CLEAR/NONE
940	4.66	"	"	6.41	549	0.64	13.07	193	0.26	2.57	"
945	"	"	"	6.31	549	0.61	12.92	194	0.26	2.89	"
950	"	"	"	6.26	549	0.56	12.83	194	0.26	1.47	"
955	"	"	"	6.24	549	0.52	12.67	193	0.26	2.11	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW24D-100107-VM
Sample Analysis: VOC + NA
Field Filtered Analysis: None
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1020
QA/QC Sample Time:

QA/QC Sample Type: ☒ None ☐ Duplicate ☐ MS/MSD
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: PORTABLE SAMPLER **Calibration Date:**
Second Meter Info: — **Calibration Date:**
Water Level Meter Info: HERON **Calibration Date:**

Comments:

Signature: Vipul **Date:** 10/01/07

EarthTech

Project Number: 96362.05 Well Identification:

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s): Colorimeteric

Meter(s) Info: Hach DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Sulfide	0	mg/L	☒ Yes	
			☐ Yes	
Diss. Fe	0.32	mg/L	☒ Yes	MARCH '09
			☐ Yes	
Diss. Mn	0.6	mg/L	☒ Yes	
			☐ Yes	

Well Information:

Well Condition: ☐ Good ☒ Ok ☐ Poor ☐ Destroyed ☐ Other:

Pro-Casing Type: ☐ None/Other ☒ Stick-Up ☐ Flush-Mount - Bolt Size(s)/Type:

Lock Type/Lock Key Number:

Well Plug Type/Condition:

Well Riser Material/Diameter:

Constructed Total Depth: (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: (feet) Well Screen Interval: to (ft. btor)

Comments:

Definitions/Descriptions:

Color - General color of the purged water (ie. Clear, Brown, Grey, Cloudy, etc.)

Odor - Relative strength/type of odor (ie. None, Slight, Moderate, Strong / Petroleum, Solvent, Biological, Sulfur, etc.)

Weather - Approximate Temperature, Sky (Cloudy, Mostly Cloudy, Partly Cloudy, Clear), Precipitation (T-Storm, Rain, Scattered Showers, Drizzle, Scattered Snow, Snow, Blizzard), Wind (Calm [0-5 mph], Breezy [5-10 mph], Windy [10-30 mph], Very Windy [30+ mph]), Humidity (If high or very high)

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)

Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)

Poor (Well has some major damage but can still be sampled, TOC elevation might be affected, protective-casing/well skirt heavily damaged or missing, etc.)

Destroyed (Well can not be sampled, protective-casing can not be opened, etc.)

Other (Well could not be located, well abandoned before or after sampling, etc.)

(ft. btor) - Feet Below the Top of The Well Riser

Additional Comments/Info (Additional Calibrated Equipment and Info, etc.):

EarthTech

Appendix B

TriMatrix Laboratories, Inc.

October 17, 2007

EARTH TECH - Livonia
Attn: Mr. Brian Earl
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Mr. Brian Earl,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
0709498	09/25/2007	Laboratory Services
0709523	09/26/2007	Laboratory Services
0709553	09/27/2007	Laboratory Services
0709573	09/28/2007	Laboratory Services
0710046	10/02/2007	Laboratory Services

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC); any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Gary L. Wood
Project Chemist

Enclosures(s)

The total number of pages in this report, including this page, is 210.

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-092407-BE**	Sampled:	09/24/07 13:00
Lab Sample ID:	**0709498-01**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**4.5**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-092407-BE**	Sampled:	09/24/07 13:00
Lab Sample ID:	**0709498-01**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-092407-BE**	Sampled:	09/24/07 13:00
Lab Sample ID:	**0709498-01**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	97	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-092407-BE**	Sampled:	09/24/07 13:00
Lab Sample ID:	**0709498-01**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.17**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**6.4**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-092407-VM**	Sampled:	09/24/07 13:35
Lab Sample ID:	**0709498-02**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**24**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-092407-VM**	Sampled:	09/24/07 13:35
Lab Sample ID:	**0709498-02**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-092407-VM**	Sampled:	09/24/07 13:35
Lab Sample ID:	**0709498-02**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	91	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-092407-VM**	Sampled:	09/24/07 13:35
Lab Sample ID:	**0709498-02**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.23**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**2.0**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-092407-VM**	Sampled:	09/24/07 14:40
Lab Sample ID:	**0709498-03**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	2	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<2.0	2.0
74-82-8	Methane	**71**	1.0
74-85-1	Ethylene	<2.0	2.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-092407-VM**	Sampled:	09/24/07 14:40
Lab Sample ID:	**0709498-03**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**21**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-092407-VM**	Sampled:	09/24/07 14:40
Lab Sample ID:	**0709498-03**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	89	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	97	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-092407-VM**	Sampled:	09/24/07 14:40
Lab Sample ID:	**0709498-03**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.3**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**14**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-092407-VM**	Sampled:	09/24/07 15:10
Lab Sample ID:	**0709498-04**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**4.7**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-092407-VM**	Sampled:	09/24/07 15:10
Lab Sample ID:	**0709498-04**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-092407-VM**	Sampled:	09/24/07 15:10
Lab Sample ID:	**0709498-04**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	89	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	96	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-092407-VM**	Sampled:	09/24/07 15:10
Lab Sample ID:	**0709498-04**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**6.4**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**17**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-092407-VM**	Sampled:	09/24/07 15:30
Lab Sample ID:	**0709498-05**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**5.2**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-092407-VM**	Sampled:	09/24/07 15:30
Lab Sample ID:	**0709498-05**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-092407-VM**	Sampled:	09/24/07 15:30
Lab Sample ID:	**0709498-05**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	87	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	96	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-092407-VM**	Sampled:	09/24/07 15:30
Lab Sample ID:	**0709498-05**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**6.5**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**17**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-092407-VM**	Sampled:	09/24/07 16:15
Lab Sample ID:	**0709498-06**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**2.2**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-092407-VM**	Sampled:	09/24/07 16:15
Lab Sample ID:	**0709498-06**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-092407-VM**	Sampled:	09/24/07 16:15
Lab Sample ID:	**0709498-06**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	97	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-092407-VM**	Sampled:	09/24/07 16:15
Lab Sample ID:	**0709498-06**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**6.4**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**27**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-092407-VM**	Sampled:	09/24/07 16:40
Lab Sample ID:	**0709498-07**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**3.8**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-092407-VM**	Sampled:	09/24/07 16:40
Lab Sample ID:	**0709498-07**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**1.0**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-092407-VM**	Sampled:	09/24/07 16:40
Lab Sample ID:	**0709498-07**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-092407-VM**	Sampled:	09/24/07 16:40
Lab Sample ID:	**0709498-07**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.066**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**3.5**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**25**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-092407-VM**	Sampled:	09/24/07 17:25
Lab Sample ID:	**0709498-08**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**28**	0.50
74-85-1	Ethylene	**1.2**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-092407-VM**	Sampled:	09/24/07 17:25
Lab Sample ID:	**0709498-08**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**18**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-092407-VM**	Sampled:	09/24/07 17:25
Lab Sample ID:	**0709498-08**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	92	*79-124*
1,2-Dichloroethane-d4	84	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-092407-VM**	Sampled:	09/24/07 17:25
Lab Sample ID:	**0709498-08**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.7**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/26/07	LMA	0711264

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB1-092407-VM**	Sampled:	09/24/07 17:40
Lab Sample ID:	**0709498-09**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB1-092407-VM**	Sampled:	09/24/07 17:40
Lab Sample ID:	**0709498-09**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	87	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank-092407-TM1438**	Sampled:	09/24/07 00:00
Lab Sample ID:	**0709498-10**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709498**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank-092407-TM1438**	Sampled:	09/24/07 00:00
Lab Sample ID:	**0709498-10**	Sampled By:	Brian Earl
Matrix:	Water	Received:	09/25/07 08:00
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	90	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW8-092507-PR**	Sampled:	09/25/07 13:58
Lab Sample ID:	**0709523-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**5.0**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW8-092507-PR**	Sampled:	09/25/07 13:58
Lab Sample ID:	**0709523-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**4.4**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**1.4**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.3**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW8-092507-PR**	Sampled:	09/25/07 13:58
Lab Sample ID:	**0709523-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/27/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	92	*79-124*
1,2-Dichloroethane-d4	89	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	97	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW8-092507-PR**	Sampled:	09/25/07 13:58
Lab Sample ID:	**0709523-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	**0.21**	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**360**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**11**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**18**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW1-092507-PR**	Sampled:	09/25/07 14:33
Lab Sample ID:	**0709523-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**15**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**1.3**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**3.3**	1.0
75-34-3	1,1-Dichloroethane	**1.5**	1.0
156-59-2	cis-1,2-Dichloroethene	**28**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW1-092507-PR**	Sampled:	09/25/07 14:33
Lab Sample ID:	**0709523-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100209

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	97	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW6-092507-PR**	Sampled:	09/25/07 15:08
Lab Sample ID:	**0709523-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**16**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**1.0**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**8.9**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW6-092507-PR**	Sampled:	09/25/07 15:08
Lab Sample ID:	**0709523-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	91	*79-124*
1,2-Dichloroethane-d4	89	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-092507-VM**	Sampled:	09/25/07 09:40
Lab Sample ID:	**0709523-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**14**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-092507-VM**	Sampled:	09/25/07 09:40
Lab Sample ID:	**0709523-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**1.7**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-092507-VM**	Sampled:	09/25/07 09:40
Lab Sample ID:	**0709523-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	95	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-092507-VM**	Sampled:	09/25/07 09:40
Lab Sample ID:	**0709523-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.9**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-092507-VM**	Sampled:	09/25/07 10:22
Lab Sample ID:	**0709523-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**42**	0.50
74-85-1	Ethylene	**1.3**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-092507-VM**	Sampled:	09/25/07 10:22
Lab Sample ID:	**0709523-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**26**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-092507-VM**	Sampled:	09/25/07 10:22
Lab Sample ID:	**0709523-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	87	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-092507-VM**	Sampled:	09/25/07 10:22
Lab Sample ID:	**0709523-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.0**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**14**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-092507-VM**	Sampled:	09/25/07 11:15
Lab Sample ID:	**0709523-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**35**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-092507-VM**	Sampled:	09/25/07 11:15
Lab Sample ID:	**0709523-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**90**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**4.9**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-092507-VM**	Sampled:	09/25/07 11:15
Lab Sample ID:	**0709523-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	94	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-092507-VM**	Sampled:	09/25/07 11:15
Lab Sample ID:	**0709523-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**5.5**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-092507-VM**	Sampled:	09/25/07 12:05
Lab Sample ID:	**0709523-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**2.2**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-092507-VM**	Sampled:	09/25/07 12:05
Lab Sample ID:	**0709523-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Grounidwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-092507-VM**	Sampled:	09/25/07 12:05
Lab Sample ID:	**0709523-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	92	*87-113*
4-Bromofluorobenzene	96	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-092507-VM**	Sampled:	09/25/07 12:05
Lab Sample ID:	**0709523-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.10**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**2.4**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**24**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW7-092507-VM**	Sampled:	09/25/07 14:05
Lab Sample ID:	**0709523-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	10/04/07 By: JLB
Dilution Factor:	2	Date Analyzed:	10/04/07 By: JLB
QC Batch:	0711634	Analytical Batch:	7100446

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<2.0	2.0
74-82-8	Methane	**88**	1.0
74-85-1	Ethylene	**12**	2.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW7-092507-VM**	Sampled:	09/25/07 14:05
Lab Sample ID:	**0709523-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**81**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**3.0**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.0**	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**28**	1.0
75-34-3	1,1-Dichloroethane	**6.3**	1.0
156-59-2	cis-1,2-Dichloroethene	**54**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**9.9**	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	**8.4**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW7-092507-VM**	Sampled:	09/25/07 14:05
Lab Sample ID:	**0709523-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	92	*79-124*
1,2-Dichloroethane-d4	87	*75-128*
Toluene-d8	95	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW7-092507-VM**	Sampled:	09/25/07 14:05
Lab Sample ID:	**0709523-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711558
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/26/07	HLB	0711345
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.2**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**10**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	09/27/07	LMA	0711305

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW4-092507-VM**	Sampled:	09/25/07 14:58
Lab Sample ID:	**0709523-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**2.5**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW4-092507-VM**	Sampled:	09/25/07 14:58
Lab Sample ID:	**0709523-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	92	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	94	*87-113*
4-Bromofluorobenzene	97	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB1-092507-PR**	Sampled:	09/25/07 11:50
Lab Sample ID:	**0709523-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB1-092507-PR**	Sampled:	09/25/07 11:50
Lab Sample ID:	**0709523-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	92	*79-124*
1,2-Dichloroethane-d4	88	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB2-092507-PR**	Sampled:	09/25/07 15:30
Lab Sample ID:	**0709523-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709523**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB2-092507-PR**	Sampled:	09/25/07 15:30
Lab Sample ID:	**0709523-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/26/07 08:30
Unit:	ug/L	Prepared:	09/27/07 By: JDM
Dilution Factor:	1	Date Analyzed:	09/28/07 By: JDM
QC Batch:	0711483	Analytical Batch:	7100212

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	93	*79-124*
1,2-Dichloroethane-d4	86	*75-128*
Toluene-d8	93	*87-113*
4-Bromofluorobenzene	95	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-092607-PR**	Sampled:	09/26/07 10:38
Lab Sample ID:	**0709553-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	<0.50	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-092607-PR**	Sampled:	09/26/07 10:38
Lab Sample ID:	**0709553-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-092607-PR**	Sampled:	09/26/07 10:38
Lab Sample ID:	**0709553-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	**5.6**	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-092607-PR**	Sampled:	09/26/07 10:38
Lab Sample ID:	**0709553-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**4.4**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**23**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-092607-PR**	Sampled:	09/26/07 13:48
Lab Sample ID:	**0709553-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**13**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-092607-PR**	Sampled:	09/26/07 13:48
Lab Sample ID:	**0709553-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**22**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-092607-PR**	Sampled:	09/26/07 13:48
Lab Sample ID:	**0709553-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	99	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-092607-PR**	Sampled:	09/26/07 13:48
Lab Sample ID:	**0709553-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**330**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**3.6**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**14**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-092607-PR**	Sampled:	09/26/07 16:38
Lab Sample ID:	**0709553-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**33**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-092607-PR**	Sampled:	09/26/07 16:38
Lab Sample ID:	**0709553-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	**5.4**	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**1.2**	1.0
78-93-3	2-Butanone (MEK)	**80**	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	**4.2**	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-092607-PR**	Sampled:	09/26/07 16:38
Lab Sample ID:	**0709553-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	**100**	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	95	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-092607-PR**	Sampled:	09/26/07 16:38
Lab Sample ID:	**0709553-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**28**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**14**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**32**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**6.0**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-092607-PR**	Sampled:	09/26/07 18:27
Lab Sample ID:	**0709553-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	10	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<10	10
74-82-8	Methane	**280**	5.0
74-85-1	Ethylene	<10	10

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-092607-PR**	Sampled:	09/26/07 18:27
Lab Sample ID:	**0709553-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**150**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**8.9**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**18**	1.0
75-34-3	1,1-Dichloroethane	**7.0**	1.0
156-59-2	cis-1,2-Dichloroethene	**66**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-092607-PR**	Sampled:	09/26/07 18:27
Lab Sample ID:	**0709553-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	99	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	95	*87-113*
4-Bromofluorobenzene	92	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-092607-PR**	Sampled:	09/26/07 18:27
Lab Sample ID:	**0709553-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.070**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**280**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**5.3**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB3-092607-PR**	Sampled:	09/26/07 17:05
Lab Sample ID:	**0709553-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB3-092607-PR**	Sampled:	09/26/07 17:05
Lab Sample ID:	**0709553-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	97	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	92	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1785**	Sampled:	09/26/07 00:00
Lab Sample ID:	**0709553-06**	Sampled By:	TML
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1785**	Sampled:	09/26/07 00:00
Lab Sample ID:	**0709553-06**	Sampled By:	TML
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-092607-VM**	Sampled:	09/26/07 12:02
Lab Sample ID:	**0709553-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	50	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<50	50
74-82-8	Methane	**500**	25
74-85-1	Ethylene	<50	50

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-092607-VM**	Sampled:	09/26/07 12:02
Lab Sample ID:	**0709553-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-092607-VM**	Sampled:	09/26/07 12:02
Lab Sample ID:	**0709553-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	100	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-092607-VM**	Sampled:	09/26/07 12:02
Lab Sample ID:	**0709553-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.063**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**250**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**1.8**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM-DUP**	Sampled:	09/26/07 14:45
Lab Sample ID:	**0709553-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	5	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<5.0	5.0
74-82-8	Methane	**89**	2.5
74-85-1	Ethylene	<5.0	5.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM-DUP**	Sampled:	09/26/07 14:45
Lab Sample ID:	**0709553-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**34**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**17**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**99**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM-DUP**	Sampled:	09/26/07 14:45
Lab Sample ID:	**0709553-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	**2.0**	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	98	*87-113*
4-Bromofluorobenzene	90	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM-DUP**	Sampled:	09/26/07 14:45
Lab Sample ID:	**0709553-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**3.7**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-092607-VM**	Sampled:	09/26/07 17:12
Lab Sample ID:	**0709553-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**3.6**	0.50
74-85-1	Ethylene	**1.3**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-092607-VM**	Sampled:	09/26/07 17:12
Lab Sample ID:	**0709553-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-092607-VM**	Sampled:	09/26/07 17:12
Lab Sample ID:	**0709553-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	99	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	93	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-092607-VM**	Sampled:	09/26/07 17:12
Lab Sample ID:	**0709553-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.15**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**2.1**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	**6.8**	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.6**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM**	Sampled:	09/26/07 14:30
Lab Sample ID:	**0709553-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	5	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<5.0	5.0
74-82-8	Methane	**81**	2.5
74-85-1	Ethylene	<5.0	5.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM**	Sampled:	09/26/07 14:30
Lab Sample ID:	**0709553-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**33**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**17**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**97**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM**	Sampled:	09/26/07 14:30
Lab Sample ID:	**0709553-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	**2.1**	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	92	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1D-092607-VM**	Sampled:	09/26/07 14:30
Lab Sample ID:	**0709553-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**3.6**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**1.6**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB2-092607-VM**	Sampled:	09/26/07 14:35
Lab Sample ID:	**0709553-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB2-092607-VM**	Sampled:	09/26/07 14:35
Lab Sample ID:	**0709553-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	92	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-092607-VM**	Sampled:	09/26/07 16:12
Lab Sample ID:	**0709553-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**3.3**	0.50
74-85-1	Ethylene	**5.8**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-092607-VM**	Sampled:	09/26/07 16:12
Lab Sample ID:	**0709553-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	**5.2**	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-092607-VM**	Sampled:	09/26/07 16:12
Lab Sample ID:	**0709553-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30
Unit:	ug/L	Prepared:	10/02/07 By: DLV
Dilution Factor:	1	Date Analyzed:	10/02/07 By: DLV
QC Batch:	0711572	Analytical Batch:	7100334

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	98	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	94	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709553**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-092607-VM**	Sampled:	09/26/07 16:12
Lab Sample ID:	**0709553-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/27/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	09/28/07	CAM	0711352
Chloride	**7.1**	1.0	mg/L	1	USEPA-325.2	09/28/07	GEH	0711398
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/28/07	GEH	0711393
Carbon, Total Organic	**2.8**	1.0	mg/L	1	USEPA-415.1	09/28/07	LMA	0711400

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-092707-PR**	Sampled:	09/27/07 09:25
Lab Sample ID:	**0709573-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	5	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<5.0	5.0
74-82-8	Methane	**130**	2.5
74-85-1	Ethylene	<5.0	5.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-092707-PR**	Sampled:	09/27/07 09:25
Lab Sample ID:	**0709573-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-092707-PR**	Sampled:	09/27/07 09:25
Lab Sample ID:	**0709573-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	100	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-092707-PR**	Sampled:	09/27/07 09:25
Lab Sample ID:	**0709573-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.26**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**280**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**1.4**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR**	Sampled:	09/27/07 12:48
Lab Sample ID:	**0709573-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**11**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR**	Sampled:	09/27/07 12:48
Lab Sample ID:	**0709573-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR**	Sampled:	09/27/07 12:48
Lab Sample ID:	**0709573-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	105	*79-124*
1,2-Dichloroethane-d4	100	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	103	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR**	Sampled:	09/27/07 12:48
Lab Sample ID:	**0709573-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**240**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**3.8**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-092707-PR**	Sampled:	09/27/07 14:57
Lab Sample ID:	**0709573-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**6.6**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-092707-PR**	Sampled:	09/27/07 14:57
Lab Sample ID:	**0709573-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-092707-PR**	Sampled:	09/27/07 14:57
Lab Sample ID:	**0709573-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	100	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-092707-PR**	Sampled:	09/27/07 14:57
Lab Sample ID:	**0709573-03**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**2.5**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**22**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR DUP**	Sampled:	09/27/07 12:58
Lab Sample ID:	**0709573-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**10**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR DUP**	Sampled:	09/27/07 12:58
Lab Sample ID:	**0709573-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR DUP**	Sampled:	09/27/07 12:58
Lab Sample ID:	**0709573-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	104	*87-113*
4-Bromofluorobenzene	105	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-092707-PR DUP**	Sampled:	09/27/07 12:58
Lab Sample ID:	**0709573-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**250**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**4.1**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-092707-PR**	Sampled:	09/27/07 16:07
Lab Sample ID:	**0709573-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**25**	0.50
74-85-1	Ethylene	**1.6**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-092707-PR**	Sampled:	09/27/07 16:07
Lab Sample ID:	**0709573-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-092707-PR**	Sampled:	09/27/07 16:07
Lab Sample ID:	**0709573-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	105	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-092707-PR**	Sampled:	09/27/07 16:07
Lab Sample ID:	**0709573-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.10**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**280**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**2.7**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**9.6**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1665**	Sampled:	09/27/07 00:00
Lab Sample ID:	**0709573-06**	Sampled By:	TML
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1665**	Sampled:	09/27/07 00:00
Lab Sample ID:	**0709573-06**	Sampled By:	TML
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	106	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	104	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-092707-VM**	Sampled:	09/27/07 10:40
Lab Sample ID:	**0709573-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**2.1**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-092707-VM**	Sampled:	09/27/07 10:40
Lab Sample ID:	**0709573-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-092707-VM**	Sampled:	09/27/07 10:40
Lab Sample ID:	**0709573-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	102	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-092707-VM**	Sampled:	09/27/07 10:40
Lab Sample ID:	**0709573-07**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	VAS	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**2.7**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**19**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-092707-VM**	Sampled:	09/27/07 11:45
Lab Sample ID:	**0709573-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**20**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-092707-VM**	Sampled:	09/27/07 11:45
Lab Sample ID:	**0709573-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-092707-VM**	Sampled:	09/27/07 11:45
Lab Sample ID:	**0709573-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	106	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	103	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-092707-VM**	Sampled:	09/27/07 11:45
Lab Sample ID:	**0709573-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**260**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**2.4**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB3-092707-VM**	Sampled:	09/27/07 11:35
Lab Sample ID:	**0709573-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB3-092707-VM**	Sampled:	09/27/07 11:35
Lab Sample ID:	**0709573-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	106	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	106	*87-113*
4-Bromofluorobenzene	105	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-092707-VM**	Sampled:	09/27/07 15:31
Lab Sample ID:	**0709573-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**4.4**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-092707-VM**	Sampled:	09/27/07 15:31
Lab Sample ID:	**0709573-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-092707-VM**	Sampled:	09/27/07 15:31
Lab Sample ID:	**0709573-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	100	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	102	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-092707-VM**	Sampled:	09/27/07 15:31
Lab Sample ID:	**0709573-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.058**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**8.1**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-092707-VM**	Sampled:	09/27/07 14:05
Lab Sample ID:	**0709573-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/05/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/05/07 By: JLB
QC Batch:	0711733	Analytical Batch:	7100575

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**4.5**	0.50
74-85-1	Ethylene	**1.9**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-092707-VM**	Sampled:	09/27/07 14:05
Lab Sample ID:	**0709573-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-092707-VM**	Sampled:	09/27/07 14:05
Lab Sample ID:	**0709573-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/04/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100511

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	106	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	101	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-092707-VM**	Sampled:	09/27/07 14:05
Lab Sample ID:	**0709573-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/28/07 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.10**	0.050	mg/L	1	USEPA-350.1	10/02/07	GEH	0711520
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711585
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/28/07	HLB	0711557
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	10/05/07	CAM	0711712
Chloride	**6.8**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**11**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	10/01/07	GEH	0711457

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1749**	Sampled:	09/27/07 00:00
Lab Sample ID:	**0709573-12**	Sampled By:	TML
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0709573**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**Trip Blank TM1749**	Sampled:	09/27/07 00:00
Lab Sample ID:	**0709573-12**	Sampled By:	TML
Matrix:	Water	Received:	09/28/07 08:45
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100510

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
* 79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	106	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	98	*70-121*

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-100107-VM**	Sampled:	10/01/07 10:20
Lab Sample ID:	**0710046-01**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**1.2**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-100107-VM**	Sampled:	10/01/07 10:20
Lab Sample ID:	**0710046-01**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-100107-VM**	Sampled:	10/01/07 10:20
Lab Sample ID:	**0710046-01**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	97	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	100	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-100107-VM**	Sampled:	10/01/07 10:20
Lab Sample ID:	**0710046-01**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.064**	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/10/07	INR	0711551
*Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	10/10/07	INR	0711553
Alkalinity, Total	**330**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**7.1**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

*See Statement of Data Qualifications

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM**	Sampled:	10/01/07 12:00
Lab Sample ID:	**0710046-02**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**3.4**	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM**	Sampled:	10/01/07 12:00
Lab Sample ID:	**0710046-02**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM**	Sampled:	10/01/07 12:00
Lab Sample ID:	**0710046-02**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	97	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	100	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM**	Sampled:	10/01/07 12:00
Lab Sample ID:	**0710046-02**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711551
Nitrogen, Nitrate	**0.052**	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711553
Alkalinity, Total	**270**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**3.9**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**23**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM-DUP**	Sampled:	10/01/07 12:20
Lab Sample ID:	**0710046-03**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	<0.50	0.50
74-85-1	Ethylene	<1.0	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM-DUP**	Sampled:	10/01/07 12:20
Lab Sample ID:	**0710046-03**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM-DUP**	Sampled:	10/01/07 12:20
Lab Sample ID:	**0710046-03**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	100	*79-124*
1,2-Dichloroethane-d4	96	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-100107-VM-DUP**	Sampled:	10/01/07 12:20
Lab Sample ID:	**0710046-03**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711551
Nitrogen, Nitrate	**0.16**	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711553
Alkalinity, Total	**270**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**4.6**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**24**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-100107-VM**	Sampled:	10/01/07 14:45
Lab Sample ID:	**0710046-04**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**27**	0.50
74-85-1	Ethylene	**2.2**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-100107-VM**	Sampled:	10/01/07 14:45
Lab Sample ID:	**0710046-04**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-100107-VM**	Sampled:	10/01/07 14:45
Lab Sample ID:	**0710046-04**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	97	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	101	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-100107-VM**	Sampled:	10/01/07 14:45
Lab Sample ID:	**0710046-04**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711551
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711553
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**3.9**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-100107-VM**	Sampled:	10/01/07 16:45
Lab Sample ID:	**0710046-05**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**20**	0.50
74-85-1	Ethylene	**1.1**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-100107-VM**	Sampled:	10/01/07 16:45
Lab Sample ID:	**0710046-05**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-100107-VM**	Sampled:	10/01/07 16:45
Lab Sample ID:	**0710046-05**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	98	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-100107-VM**	Sampled:	10/01/07 16:45
Lab Sample ID:	**0710046-05**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	**0.081**	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711551
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711553
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**2.1**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**9.2**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-100107-VM**	Sampled:	10/01/07 17:40
Lab Sample ID:	**0710046-06**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/08/07 By: JLB
Dilution Factor:	1	Date Analyzed:	10/08/07 By: JLB
QC Batch:	0711797	Analytical Batch:	7100871

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	**4.3**	1.0
74-82-8	Methane	**7.4**	0.50
74-85-1	Ethylene	**1.5**	1.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-100107-VM**	Sampled:	10/01/07 17:40
Lab Sample ID:	**0710046-06**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
75-15-0	Carbon Disulfide	**13**	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
75-27-4	Bromodichloromethane	<1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	<1.0	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	<50	50
108-88-3	Toluene	<1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<1.0	1.0
591-78-6	2-Hexanone	<50	50
124-48-1	Dibromochloromethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-100107-VM**	Sampled:	10/01/07 17:40
Lab Sample ID:	**0710046-06**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30
Unit:	ug/L	Prepared:	10/03/07 By: JDM
Dilution Factor:	1	Date Analyzed:	10/03/07 By: JDM
QC Batch:	0711710	Analytical Batch:	7100508

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	98	*70-121*

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0710046**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-100107-VM**	Sampled:	10/01/07 17:40
Lab Sample ID:	**0710046-06**	Sampled By:	Vipul Mehra
Matrix:	Water	Received:	10/02/07 08:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	10/08/07	GEH	0711835
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711551
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	10/03/07	INR	0711553
Alkalinity, Total	**110**	2.0	mg/L	1	USEPA-310.1	10/09/07	CLB	0711877
Chloride	**13**	1.0	mg/L	1	USEPA-325.2	10/04/07	GEH	0711672
Sulfate	**14**	5.0	mg/L	1	USEPA-375.4	10/04/07	GEH	0711665
Carbon, Total Organic	**19**	1.0	mg/L	1	USEPA-415.1	10/05/07	GEH	0711787

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
QC Batch: 0711634 Direct Injection/RSK-175									
Method Blank						Analyzed:		10/04/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100446	
Ethane			<1.0					1.0	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		10/04/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100446	
Ethane		17.7	**18.7**	106	76-125			1.0	
Methane		9.42	**9.68**	103	74-126			0.50	
Ethylene		16.5	**16.4**	99	79-121			1.0	
Duplicate 0709498-01 GW21S-092407-BE						Analyzed:		10/04/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100446	
Ethane	<1.0		<1.0				20	1.0	
Methane	4.54		**5.55**			20	20	0.50	
Ethylene	<1.0		<1.0				20	1.0	
QC Batch: 0711733 Direct Injection/RSK-175									
Method Blank						Analyzed:		10/05/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100575	
Ethane			<1.0					1.0	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		10/05/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100575	
Ethane		17.7	**17.0**	96	76-125			1.0	
Methane		9.42	**8.88**	94	74-126			0.50	
Ethylene		16.5	**15.1**	91	79-121			1.0	
Duplicate 0709553-02 MW3I-092607-PR						Analyzed:		10/05/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100575	
Ethane	<1.0		<1.0				20	1.0	
Methane	12.6		**13.3**			5	20	0.50	
Ethylene	<1.0		<1.0				20	1.0	
QC Batch: 0711797 Direct Injection/RSK-175									
Method Blank						Analyzed:		10/08/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100871	
Ethane			<1.0					1.0	

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
QC Batch: 0711797 (Continued) Direct Injection/RSK-175									
Method Blank (Continued)						Analyzed:		10/08/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100871	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		10/08/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100871	
Ethane		17.7	**16.8**	95	76-125			1.0	
Methane		9.42	**8.58**	91	74-126			0.50	
Ethylene		16.5	**14.8**	90	79-121			1.0	
Duplicate 0710046-01 GW24D-100107-VM						Analyzed:		10/08/2007	By: JLB
Unit: ug/L						Analytical Batch:		7100871	
Ethane	<1.0		<1.0				20	1.0	
Methane	1.17		**1.42**			19	20	0.50	
Ethylene	0.870		**0.780**			11	20	1.0	

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711483 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 09/27/2007 By: JDM
Unit: ug/L Analytical Batch: 7100209

Chloromethane			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Bromomethane			<1.0					1.0
Chloroethane			<1.0					1.0
Bromochloromethane			<1.0					1.0
1,1-Dichloroethene			<1.0					1.0
Acetone			<5.0					5.0
Carbon Disulfide			<5.0					5.0
Methylene Chloride			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,1-Dichloroethane			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
2-Butanone (MEK)			<5.0					5.0
Chloroform			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
Carbon Tetrachloride			<1.0					1.0
Benzene			<1.0					1.0
1,2-Dichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Bromodichloromethane			<1.0					1.0
cis-1,3-Dichloropropene			<1.0					1.0
4-Methyl-2-pentanone (MIBK)			<5.0					5.0
Toluene			<1.0					1.0
trans-1,3-Dichloropropene			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)						Analyzed:	09/27/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100209	
1,2,3-Trichlorobenzene			<1.0				1.0	
Surrogates								
Dibromofluoromethane				95	*88-115*			
1,2-Dichloroethane-d4				89	*81-116*			
Toluene-d8				94	*87-113*			
4-Bromofluorobenzene				97	*78-116*			
Method Blank						Analyzed:	09/28/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100212	
Chloromethane			<1.0				1.0	
Vinyl Chloride			<1.0				1.0	
Bromomethane			<1.0				1.0	
Chloroethane			<1.0				1.0	
Bromochloromethane			<1.0				1.0	
1,1-Dichloroethene			<1.0				1.0	
Acetone			<5.0				5.0	
Carbon Disulfide			<5.0				5.0	
Methylene Chloride			<1.0				1.0	
trans-1,2-Dichloroethene			<1.0				1.0	
1,1-Dichloroethane			<1.0				1.0	
cis-1,2-Dichloroethene			<1.0				1.0	
2-Butanone (MEK)			<5.0				5.0	
Chloroform			<1.0				1.0	
1,1,1-Trichloroethane			<1.0				1.0	
Carbon Tetrachloride			<1.0				1.0	
Benzene			<1.0				1.0	
1,2-Dichloroethane			<1.0				1.0	
Trichloroethene			<1.0				1.0	
1,2-Dichloropropane			<1.0				1.0	
Bromodichloromethane			<1.0				1.0	
cis-1,3-Dichloropropene			<1.0				1.0	
4-Methyl-2-pentanone (MIBK)			<5.0				5.0	
Toluene			<1.0				1.0	
trans-1,3-Dichloropropene			<1.0				1.0	
1,1,2-Trichloroethane			<1.0				1.0	
Tetrachloroethene			<1.0				1.0	

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/28/2007 By: JDM
Unit: ug/L Analytical Batch: 7100212

2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				94	*88-115*			
1,2-Dichloroethane-d4				87	*81-116*			
Toluene-d8				94	*87-113*			
4-Bromofluorobenzene				95	*78-116*			

Laboratory Control Sample Analyzed: 09/27/2007 By: JDM
Unit: ug/L Analytical Batch: 7100209

Chloromethane		40.0	**42.4**	106	68-130			1.0
Vinyl Chloride		40.0	**43.8**	110	73-130			1.0
Bromomethane		40.0	**43.7**	109	56-140			1.0
Chloroethane		40.0	**46.9**	117	71-130			1.0
1,1-Dichloroethene		40.0	**41.7**	104	81-125			1.0
Acetone		40.0	**33.0**	83	52-134			5.0
Carbon Disulfide		40.0	**43.2**	108	74-133			5.0
Methylene Chloride		40.0	**40.2**	101	74-135			1.0
trans-1,2-Dichloroethene		40.0	**41.1**	103	85-121			1.0
1,1-Dichloroethane		40.0	**41.3**	103	80-122			1.0
cis-1,2-Dichloroethene		40.0	**41.0**	103	84-121			1.0
2-Butanone (MEK)		40.0	**40.5**	101	60-134			5.0
Chloroform		40.0	**39.0**	98	86-120			1.0
1,1,1-Trichloroethane		40.0	**36.5**	91	81-123			1.0
Carbon Tetrachloride		40.0	**34.5**	86	80-126			1.0
Benzene		40.0	**41.2**	103	86-120			1.0
1,2-Dichloroethane		40.0	**38.1**	95	78-121			1.0
Trichloroethene		40.0	**38.8**	97	80-122			1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 09/27/2007 By: JDM
Unit: ug/L Analytical Batch: 7100209

1,2-Dichloropropane		40.0	**40.4**	101	77-125		1.0
Bromodichloromethane		40.0	**36.1**	90	81-126		1.0
cis-1,3-Dichloropropene		40.0	**39.1**	98	78-119		1.0
4-Methyl-2-pentanone (MIBK)		40.0	**42.8**	107	57-134		5.0
Toluene		40.0	**38.9**	97	87-123		1.0
trans-1,3-Dichloropropene		40.0	**37.4**	94	70-125		1.0
1,1,2-Trichloroethane		40.0	**40.5**	101	86-123		1.0
Tetrachloroethene		40.0	**38.6**	96	85-115		1.0
2-Hexanone		40.0	**43.2**	108	53-137		5.0
Dibromochloromethane		40.0	**36.5**	91	77-114		1.0
Chlorobenzene		40.0	**39.4**	99	88-114		1.0
Ethylbenzene		40.0	**38.8**	97	86-116		1.0
Xylene (Total)		120	**116**	97	88-115		3.0
Tetrahydrofuran		40.0	**39.9**	100	60-122		10
Styrene		40.0	**37.9**	95	81-115		1.0
Bromoform		40.0	**37.4**	94	70-126		1.0
1,1,2,2-Tetrachloroethane		40.0	**48.3**	121	81-127		1.0
Surrogates							
Dibromofluoromethane				90	*88-115*		
1,2-Dichloroethane-d4				89	*81-116*		
Toluene-d8				97	*87-113*		
4-Bromofluorobenzene				93	*78-116*		

Laboratory Control Sample Analyzed: 09/28/2007 By: JDM
Unit: ug/L Analytical Batch: 7100212

Chloromethane		40.0	**41.3**	103	68-130		1.0
Vinyl Chloride		40.0	**42.9**	107	73-130		1.0
Bromomethane		40.0	**46.0**	115	56-140		1.0
Chloroethane		40.0	**45.9**	115	71-130		1.0
1,1-Dichloroethene		40.0	**39.7**	99	81-125		1.0
Acetone		40.0	**42.0**	105	52-134		5.0
Carbon Disulfide		40.0	**41.5**	104	74-133		5.0
Methylene Chloride		40.0	**40.9**	102	74-135		1.0
trans-1,2-Dichloroethene		40.0	**40.6**	102	85-121		1.0
1,1-Dichloroethane		40.0	**41.2**	103	80-122		1.0
cis-1,2-Dichloroethene		40.0	**41.6**	104	84-121		1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/28/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100212	
2-Butanone (MEK)		40.0	**43.9**	110	60-134		5.0	
Chloroform		40.0	**39.4**	98	86-120		1.0	
1,1,1-Trichloroethane		40.0	**36.3**	91	81-123		1.0	
Carbon Tetrachloride		40.0	**34.1**	85	80-126		1.0	
Benzene		40.0	**41.0**	102	86-120		1.0	
1,2-Dichloroethane		40.0	**38.9**	97	78-121		1.0	
Trichloroethene		40.0	**39.3**	98	80-122		1.0	
1,2-Dichloropropane		40.0	**41.1**	103	77-125		1.0	
Bromodichloromethane		40.0	**36.4**	91	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**38.6**	96	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**44.6**	112	57-134		5.0	
Toluene		40.0	**38.6**	96	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**37.4**	94	70-125		1.0	
1,1,2-Trichloroethane		40.0	**42.0**	105	86-123		1.0	
Tetrachloroethene		40.0	**37.5**	94	85-115		1.0	
2-Hexanone		40.0	**44.1**	110	53-137		5.0	
Dibromochloromethane		40.0	**37.8**	95	77-114		1.0	
Chlorobenzene		40.0	**40.3**	101	88-114		1.0	
Ethylbenzene		40.0	**38.6**	96	86-116		1.0	
Xylene (Total)		120	**118**	98	88-115		3.0	
Tetrahydrofuran		40.0	**29.4**	74	60-122		10	
Styrene		40.0	**39.4**	99	81-115		1.0	
Bromoform		40.0	**38.7**	97	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**47.6**	119	81-127		1.0	
Surrogates								
Dibromofluoromethane				91	*88-115*			
1,2-Dichloroethane-d4				90	*81-116*			
Toluene-d8				96	*87-113*			
4-Bromofluorobenzene				95	*78-116*			
Matrix Spike 0709498-01 GW21S-092407-BE						Analyzed:	09/28/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100209	
Chloromethane	<1.0	40.0	**41.8**	105	66-132		1.0	
Vinyl Chloride	<1.0	40.0	**45.7**	114	71-136		1.0	
Bromomethane	<1.0	40.0	**33.0**	83	52-127		1.0	
Chloroethane	<1.0	40.0	**49.8**	124	77-141		1.0	

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0709498-01 GW21S-092407-BE — Analyzed: 09/28/2007 By: JDM
Unit: ug/L — Analytical Batch: 7100209

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
1,1-Dichloroethene	<1.0	40.0	**44.1**	110	85-130			1.0
Acetone	<5.0	40.0	**4.48**	**11**	54-146			5.0
Carbon Disulfide	0.240	40.0	**0.680**	**1**	68-145			5.0
Methylene Chloride	<1.0	40.0	**42.9**	107	87-119			1.0
trans-1,2-Dichloroethene	<1.0	40.0	**44.2**	110	87-125			1.0
1,1-Dichloroethane	<1.0	40.0	**44.3**	111	82-125			1.0
cis-1,2-Dichloroethene	<1.0	40.0	**44.1**	110	84-127			1.0
2-Butanone (MEK)	<5.0	40.0	<5.0		62-140			5.0
Chloroform	<1.0	40.0	**41.4**	104	87-123			1.0
1,1,1-Trichloroethane	<1.0	40.0	**39.1**	98	82-126			1.0
Carbon Tetrachloride	<1.0	40.0	**37.2**	93	83-126			1.0
Benzene	<1.0	40.0	**43.9**	110	84-127			1.0
1,2-Dichloroethane	<1.0	40.0	**40.1**	100	79-120			1.0
Trichloroethene	<1.0	40.0	**41.2**	103	81-124			1.0
1,2-Dichloropropane	<1.0	40.0	**43.8**	109	81-125			1.0
Bromodichloromethane	<1.0	40.0	**38.2**	96	77-130			1.0
cis-1,3-Dichloropropene	<1.0	40.0	**40.9**	102	68-122			1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**0.820**	**2**	55-139			5.0
Toluene	<1.0	40.0	**40.9**	102	88-125			1.0
trans-1,3-Dichloropropene	<1.0	40.0	**38.0**	95	72-121			1.0
1,1,2-Trichloroethane	<1.0	40.0	**42.5**	106	84-122			1.0
Tetrachloroethene	<1.0	40.0	**40.0**	100	83-117			1.0
2-Hexanone	<5.0	40.0	**0.800**	**2**	46-142			5.0
Dibromochloromethane	0.450	40.0	**39.6**	98	83-110			1.0
Chlorobenzene	<1.0	40.0	**42.2**	105	89-115			1.0
Ethylbenzene	<1.0	40.0	**41.2**	103	87-118			1.0
Xylene (Total)	<3.0	120	**123**	102	88-115			3.0
Tetrahydrofuran	<10	40.0	**33.6**	84	70-119			10
Styrene	<1.0	40.0	**40.3**	101	84-114			1.0
Bromoform	<1.0	40.0	**40.0**	100	70-123			1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**50.0**	**125**	82-123			1.0
Surrogates								
Dibromofluoromethane				90	*88-115*			
1,2-Dichloroethane-d4				90	*81-116*			
Toluene-d8				99	*87-113*			
4-Bromofluorobenzene				96	*78-116*			

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate 0709498-01 GW21S-092407-BE — Analyzed: 09/28/2007 By: JDM
Unit: ug/L — Analytical Batch: 7100209

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chloromethane	<1.0	40.0	**38.9**	97	66-132	7	13	1.0
Vinyl Chloride	<1.0	40.0	**42.9**	107	71-136	6	10	1.0
Bromomethane	<1.0	40.0	**32.4**	81	52-127	2	18	1.0
Chloroethane	<1.0	40.0	**45.6**	114	77-141	9	13	1.0
1,1-Dichloroethene	<1.0	40.0	**40.8**	102	85-130	8	10	1.0
Acetone	<5.0	40.0	**4.59**	**11**	54-146	2	27	5.0
Carbon Disulfide	0.240	40.0	**0.590**	**0.9**	68-145	14	16	5.0
Methylene Chloride	<1.0	40.0	**39.8**	99	87-119	8	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**40.8**	102	87-125	8	9	1.0
1,1-Dichloroethane	<1.0	40.0	**40.7**	102	82-125	8	10	1.0
cis-1,2-Dichloroethene	<1.0	40.0	**40.6**	101	84-127	8	9	1.0
2-Butanone (MEK)	<5.0	40.0	**0.960**	**2**	62-140		20	5.0
Chloroform	<1.0	40.0	**39.0**	97	87-123	6	8	1.0
1,1,1-Trichloroethane	<1.0	40.0	**36.6**	91	82-126	7	9	1.0
Carbon Tetrachloride	<1.0	40.0	**34.7**	87	83-126	7	10	1.0
Benzene	<1.0	40.0	**40.7**	102	84-127	8	8	1.0
1,2-Dichloroethane	<1.0	40.0	**37.9**	95	79-120	6	8	1.0
Trichloroethene	<1.0	40.0	**37.9**	95	81-124	8	8	1.0
1,2-Dichloropropane	<1.0	40.0	**40.6**	101	81-125	8	10	1.0
Bromodichloromethane	<1.0	40.0	**36.0**	90	77-130	6	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**37.8**	95	68-122	8	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**0.830**	**2**	55-139	1	9	5.0
Toluene	<1.0	40.0	**38.8**	97	88-125	5	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**35.6**	89	72-121	7	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**40.1**	100	84-122	6	10	1.0
Tetrachloroethene	<1.0	40.0	**37.8**	95	83-117	6	8	1.0
2-Hexanone	<5.0	40.0	**0.580**	**1**	46-142	**32**	10	5.0
Dibromochloromethane	0.450	40.0	**36.7**	91	83-110	8	9	1.0
Chlorobenzene	<1.0	40.0	**39.6**	99	89-115	6	8	1.0
Ethylbenzene	<1.0	40.0	**38.6**	96	87-118	7	7	1.0
Xylene (Total)	<3.0	120	**115**	96	88-115	6	7	3.0
Tetrahydrofuran	<10	40.0	**32.3**	81	70-119	4	14	10
Styrene	<1.0	40.0	**37.8**	94	84-114	7	8	1.0
Bromoform	<1.0	40.0	**36.7**	92	70-123	9	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**47.7**	119	82-123	5	9	1.0
Surrogates								
Dibromofluoromethane				92	*88-115*			

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711483 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0709498-01 GW21S-092407-BE — Analyzed: 09/28/2007 By: JDM
Unit: ug/L — Analytical Batch: 7100209

Surrogates (Continued)

1,2-Dichloroethane-d4	89	*81-116*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	95	*78-116*

QC Batch: 0711572 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank — Analyzed: 10/02/2007 By: DLV
Unit: ug/L — Analytical Batch: 7100334

Chloromethane	<1.0	1.0
Vinyl Chloride	<1.0	1.0
Bromomethane	<1.0	1.0
Chloroethane	<1.0	1.0
Bromochloromethane	<1.0	1.0
1,1-Dichloroethene	<1.0	1.0
Acetone	<25	25
Carbon Disulfide	<5.0	5.0
Methylene Chloride	<5.0	5.0
trans-1,2-Dichloroethene	<1.0	1.0
1,1-Dichloroethane	<1.0	1.0
cis-1,2-Dichloroethene	<1.0	1.0
2-Butanone (MEK)	<25	25
Chloroform	<1.0	1.0
1,1,1-Trichloroethane	<1.0	1.0
Carbon Tetrachloride	<1.0	1.0
Benzene	<1.0	1.0
1,2-Dichloroethane	<1.0	1.0
Trichloroethene	<1.0	1.0
1,2-Dichloropropane	<1.0	1.0
Bromodichloromethane	<1.0	1.0
cis-1,3-Dichloropropene	<1.0	1.0
4-Methyl-2-pentanone (MIBK)	<50	50
Toluene	<1.0	1.0
trans-1,3-Dichloropropene	<1.0	1.0
1,1,2-Trichloroethane	<1.0	1.0
Tetrachloroethene	<1.0	1.0
2-Hexanone	<50	50

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 10/02/2007 By: DLV
Unit: ug/L Analytical Batch: 7100334

Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				96	*88-115*			
1,2-Dichloroethane-d4				105	*81-116*			
Toluene-d8				96	*87-113*			
4-Bromofluorobenzene				94	*78-116*			

Laboratory Control Sample Analyzed: 10/02/2007 By: DLV
Unit: ug/L Analytical Batch: 7100334

Chloromethane		40.0	**36.3**	91	68-130			1.0
Vinyl Chloride		40.0	**36.6**	91	73-130			1.0
Bromomethane		40.0	**30.6**	77	56-140			1.0
Chloroethane		40.0	**35.8**	89	71-130			1.0
1,1-Dichloroethene		40.0	**37.6**	94	81-125			1.0
Acetone		40.0	**39.7**	99	52-134			5.0
Carbon Disulfide		40.0	**36.1**	90	74-133			5.0
Methylene Chloride		40.0	**34.8**	87	74-135			1.0
trans-1,2-Dichloroethene		40.0	**38.2**	95	85-121			1.0
1,1-Dichloroethane		40.0	**37.4**	93	80-122			1.0
cis-1,2-Dichloroethene		40.0	**38.5**	96	84-121			1.0
2-Butanone (MEK)		40.0	**38.9**	97	60-134			5.0
Chloroform		40.0	**37.2**	93	86-120			1.0
1,1,1-Trichloroethane		40.0	**38.2**	95	81-123			1.0
Carbon Tetrachloride		40.0	**38.8**	97	80-126			1.0
Benzene		40.0	**37.6**	94	86-120			1.0
1,2-Dichloroethane		40.0	**36.7**	92	78-121			1.0
Trichloroethene		40.0	**37.5**	94	80-122			1.0
1,2-Dichloropropane		40.0	**36.2**	90	77-125			1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued) Unit: ug/L						Analyzed: Analytical Batch:	10/02/2007 7100334	By: DLV
Bromodichloromethane		40.0	**35.6**	89	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**35.5**	89	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**36.5**	91	57-134		5.0	
Toluene		40.0	**37.3**	93	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**34.5**	86	70-125		1.0	
1,1,2-Trichloroethane		40.0	**37.9**	95	86-123		1.0	
Tetrachloroethene		40.0	**39.2**	98	85-115		1.0	
2-Hexanone		40.0	**39.0**	97	53-137		5.0	
Dibromochloromethane		40.0	**36.1**	90	77-114		1.0	
Chlorobenzene		40.0	**38.0**	95	88-114		1.0	
Ethylbenzene		40.0	**40.9**	102	86-116		1.0	
Xylene (Total)		120	**123**	102	88-115		3.0	
Tetrahydrofuran		40.0	**35.4**	89	60-122		10	
Styrene		40.0	**38.1**	95	81-115		1.0	
Bromoform		40.0	**33.9**	85	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**40.2**	100	81-127		1.0	
Surrogates								
Dibromofluoromethane				98	*88-115*			
1,2-Dichloroethane-d4				98	*81-116*			
Toluene-d8				98	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
Matrix Spike 0709553-02 MW3I-092607-PR Unit: ug/L						Analyzed: Analytical Batch:	10/02/2007 7100334	By: DLV
Chloromethane	<1.0	40.0	**37.8**	94	66-132		1.0	
Vinyl Chloride	22.3	40.0	**55.6**	83	71-136		1.0	
Bromomethane	<1.0	40.0	**24.0**	60	52-127		1.0	
Chloroethane	<1.0	40.0	**37.8**	95	77-141		1.0	
1,1-Dichloroethene	<1.0	40.0	**38.5**	96	85-130		1.0	
Acetone	<5.0	40.0	**39.3**	98	54-146		5.0	
Carbon Disulfide	<5.0	40.0	**35.9**	90	68-145		5.0	
Methylene Chloride	<1.0	40.0	**37.1**	93	87-119		1.0	
trans-1,2-Dichloroethene	0.570	40.0	**40.4**	100	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**38.8**	97	82-125		1.0	
cis-1,2-Dichloroethene	0.620	40.0	**41.0**	101	84-127		1.0	
2-Butanone (MEK)	<5.0	40.0	**36.3**	91	62-140		5.0	

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 0709553-02 MW3I-092607-PR						Analyzed:		10/02/2007 By: DLV
Unit: ug/L						Analytical Batch:		7100334
Chloroform	<1.0	40.0	**38.8**	97	87-123			1.0
1,1,1-Trichloroethane	<1.0	40.0	**39.1**	98	82-126			1.0
Carbon Tetrachloride	<1.0	40.0	**40.0**	100	83-126			1.0
Benzene	<1.0	40.0	**39.3**	98	84-127			1.0
1,2-Dichloroethane	<1.0	40.0	**38.5**	96	79-120			1.0
Trichloroethene	<1.0	40.0	**38.0**	95	81-124			1.0
1,2-Dichloropropane	<1.0	40.0	**37.7**	94	81-125			1.0
Bromodichloromethane	<1.0	40.0	**37.7**	94	77-130			1.0
cis-1,3-Dichloropropene	<1.0	40.0	**34.5**	86	68-122			1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**33.9**	85	55-139			5.0
Toluene	<1.0	40.0	**39.0**	97	88-125			1.0
trans-1,3-Dichloropropene	<1.0	40.0	**34.8**	87	72-121			1.0
1,1,2-Trichloroethane	<1.0	40.0	**40.2**	101	84-122			1.0
Tetrachloroethene	<1.0	40.0	**41.1**	103	83-117			1.0
2-Hexanone	<5.0	40.0	**36.5**	91	46-142			5.0
Dibromochloromethane	<1.0	40.0	**38.4**	96	83-110			1.0
Chlorobenzene	<1.0	40.0	**41.1**	103	89-115			1.0
Ethylbenzene	<1.0	40.0	**43.8**	109	87-118			1.0
Xylene (Total)	<3.0	120	**130**	109	88-115			3.0
Tetrahydrofuran	<10	40.0	**34.5**	86	70-119			10
Styrene	<1.0	40.0	**40.6**	101	84-114			1.0
Bromoform	<1.0	40.0	**36.2**	90	70-123			1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**43.3**	108	82-123			1.0
Surrogates								
Dibromofluoromethane				98	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				97	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
Matrix Spike Duplicate 0709553-02 MW3I-092607-PR						Analyzed:		10/02/2007 By: DLV
Unit: ug/L						Analytical Batch:		7100334
Chloromethane	<1.0	40.0	**37.4**	94	66-132	1	13	1.0
Vinyl Chloride	22.3	40.0	**55.8**	84	71-136	0.3	10	1.0
Bromomethane	<1.0	40.0	**27.3**	68	52-127	13	18	1.0
Chloroethane	<1.0	40.0	**38.1**	95	77-141	0.7	13	1.0
1,1-Dichloroethene	<1.0	40.0	**38.9**	97	85-130	1	10	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 0709553-02 MW3I-092607-PR					Analyzed:		10/02/2007	By: DLV
Unit: ug/L					Analytical Batch:		7100334	
Acetone	<5.0	40.0	**37.0**	93	54-146	6	27	5.0
Carbon Disulfide	<5.0	40.0	**37.0**	93	68-145	3	16	5.0
Methylene Chloride	<1.0	40.0	**36.6**	91	87-119	1	11	1.0
trans-1,2-Dichloroethene	0.570	40.0	**40.2**	99	87-125	0.6	9	1.0
1,1-Dichloroethane	<1.0	40.0	**38.7**	97	82-125	0.2	10	1.0
cis-1,2-Dichloroethene	0.620	40.0	**40.8**	100	84-127	0.4	9	1.0
2-Butanone (MEK)	<5.0	40.0	**36.5**	91	62-140	0.5	20	5.0
Chloroform	<1.0	40.0	**38.3**	96	87-123	1	8	1.0
1,1,1-Trichloroethane	<1.0	40.0	**39.7**	99	82-126	1	9	1.0
Carbon Tetrachloride	<1.0	40.0	**40.8**	102	83-126	2	10	1.0
Benzene	<1.0	40.0	**39.0**	98	84-127	0.7	8	1.0
1,2-Dichloroethane	<1.0	40.0	**38.0**	95	79-120	1	8	1.0
Trichloroethene	<1.0	40.0	**38.5**	96	81-124	1	8	1.0
1,2-Dichloropropane	<1.0	40.0	**37.8**	95	81-125	0.3	10	1.0
Bromodichloromethane	<1.0	40.0	**37.2**	93	77-130	1	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**34.6**	86	68-122	0.3	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**33.9**	85	55-139	0.03	9	5.0
Toluene	<1.0	40.0	**38.7**	97	88-125	0.6	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**35.0**	88	72-121	0.6	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**39.0**	98	84-122	3	10	1.0
Tetrachloroethene	<1.0	40.0	**41.4**	104	83-117	0.8	8	1.0
2-Hexanone	<5.0	40.0	**36.0**	90	46-142	1	10	5.0
Dibromochloromethane	<1.0	40.0	**38.3**	96	83-110	0.3	9	1.0
Chlorobenzene	<1.0	40.0	**40.6**	102	89-115	1	8	1.0
Ethylbenzene	<1.0	40.0	**44.0**	110	87-118	0.6	7	1.0
Xylene (Total)	<3.0	120	**132**	110	88-115	1	7	3.0
Tetrahydrofuran	<10	40.0	**35.3**	88	70-119	2	14	10
Styrene	<1.0	40.0	**40.4**	101	84-114	0.6	8	1.0
Bromoform	<1.0	40.0	**35.8**	90	70-123	1	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**42.3**	106	82-123	2	9	1.0
Surrogates								
Dibromofluoromethane				96	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				97	*87-113*			
4-Bromofluorobenzene				100	*78-116*			
QC Batch: 0711710 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank					Analyzed:		10/03/2007	By: JDM
Unit: ug/L					Analytical Batch:		7100508	
Chloromethane			<1.0				1.0	

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100508

Vinyl Chloride	<1.0	1.0
Bromomethane	<1.0	1.0
Chloroethane	<1.0	1.0
Bromochloromethane	<1.0	1.0
1,1-Dichloroethene	<1.0	1.0
Acetone	<5.0	5.0
Carbon Disulfide	<5.0	5.0
Methylene Chloride	<1.0	1.0
trans-1,2-Dichloroethene	<1.0	1.0
1,1-Dichloroethane	<1.0	1.0
cis-1,2-Dichloroethene	<1.0	1.0
2-Butanone (MEK)	<5.0	5.0
Chloroform	<1.0	1.0
1,1,1-Trichloroethane	<1.0	1.0
Carbon Tetrachloride	<1.0	1.0
Benzene	<1.0	1.0
1,2-Dichloroethane	<1.0	1.0
Trichloroethene	<1.0	1.0
1,2-Dichloropropane	<1.0	1.0
Bromodichloromethane	<1.0	1.0
cis-1,3-Dichloropropene	<1.0	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	5.0
Toluene	<1.0	1.0
trans-1,3-Dichloropropene	<1.0	1.0
1,1,2-Trichloroethane	<1.0	1.0
Tetrachloroethene	<1.0	1.0
2-Hexanone	<5.0	5.0
Dibromochloromethane	<1.0	1.0
Chlorobenzene	<1.0	1.0
Ethylbenzene	<1.0	1.0
Xylene (Total)	<3.0	3.0
Tetrahydrofuran	<10	10
Styrene	<1.0	1.0
Bromoform	<1.0	1.0
1,1,2,2-Tetrachloroethane	<1.0	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100508

1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				98	*81-116*			
Toluene-d8				96	*87-113*			
4-Bromofluorobenzene				99	*78-116*			

Method Blank Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100510

Chloromethane			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Bromomethane			<1.0					1.0
Chloroethane			<1.0					1.0
Bromochloromethane			<1.0					1.0
1,1-Dichloroethene			<1.0					1.0
Acetone			<5.0					5.0
Carbon Disulfide			<5.0					5.0
Methylene Chloride			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,1-Dichloroethane			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
2-Butanone (MEK)			<5.0					5.0
Chloroform			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
Carbon Tetrachloride			<1.0					1.0
Benzene			<1.0					1.0
1,2-Dichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Bromodichloromethane			<1.0					1.0
cis-1,3-Dichloropropene			<1.0					1.0
4-Methyl-2-pentanone (MIBK)			<5.0					5.0
Toluene			<1.0					1.0
trans-1,3-Dichloropropene			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100510

2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				105	*88-115*			
1,2-Dichloroethane-d4				103	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				102	*78-116*			

Method Blank Analyzed: 10/04/2007 By: JDM
Unit: ug/L Analytical Batch: 7100511

Chloromethane			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Bromomethane			<1.0					1.0
Chloroethane			<1.0					1.0
Bromochloromethane			<1.0					1.0
1,1-Dichloroethene			<1.0					1.0
Acetone			<5.0					5.0
Carbon Disulfide			<5.0					5.0
Methylene Chloride			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,1-Dichloroethane			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
2-Butanone (MEK)			<5.0					5.0
Chloroform			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
Carbon Tetrachloride			<1.0					1.0
Benzene			<1.0					1.0
1,2-Dichloroethane			<1.0					1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 10/04/2007 By: JDM
Unit: ug/L Analytical Batch: 7100511

Trichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Bromodichloromethane			<1.0					1.0
cis-1,3-Dichloropropene			<1.0					1.0
4-Methyl-2-pentanone (MIBK)			<5.0					5.0
Toluene			<1.0					1.0
trans-1,3-Dichloropropene			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				104	*88-115*			
1,2-Dichloroethane-d4				100	*81-116*			
Toluene-d8				109	*87-113*			
4-Bromofluorobenzene				108	*78-116*			

Laboratory Control Sample Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100508

Chloromethane		40.0	**42.0**	105	68-130			1.0
Vinyl Chloride		40.0	**40.1**	100	73-130			1.0
Bromomethane		40.0	**38.0**	95	56-140			1.0
Chloroethane		40.0	**36.1**	90	71-130			1.0
1,1-Dichloroethene		40.0	**41.6**	104	81-125			1.0
Acetone		40.0	**46.4**	116	52-134			5.0
Carbon Disulfide		40.0	**43.6**	109	74-133			5.0
Methylene Chloride		40.0	**39.6**	99	74-135			1.0
trans-1,2-Dichloroethene		40.0	**39.5**	99	85-121			1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	10/03/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100508	
1,1-Dichloroethane		40.0	**38.8**	97	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**38.7**	97	84-121		1.0	
2-Butanone (MEK)		40.0	**46.3**	116	60-134		5.0	
Chloroform		40.0	**39.3**	98	86-120		1.0	
1,1,1-Trichloroethane		40.0	**40.4**	101	81-123		1.0	
Carbon Tetrachloride		40.0	**39.9**	100	80-126		1.0	
Benzene		40.0	**39.3**	98	86-120		1.0	
1,2-Dichloroethane		40.0	**39.4**	99	78-121		1.0	
Trichloroethene		40.0	**44.4**	111	80-122		1.0	
1,2-Dichloropropane		40.0	**39.1**	98	77-125		1.0	
Bromodichloromethane		40.0	**39.9**	100	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**40.4**	101	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**41.9**	105	57-134		5.0	
Toluene		40.0	**39.7**	99	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**43.4**	109	70-125		1.0	
1,1,2-Trichloroethane		40.0	**40.3**	101	86-123		1.0	
Tetrachloroethene		40.0	**39.9**	100	85-115		1.0	
2-Hexanone		40.0	**42.0**	105	53-137		5.0	
Dibromochloromethane		40.0	**42.4**	106	77-114		1.0	
Chlorobenzene		40.0	**40.4**	101	88-114		1.0	
Ethylbenzene		40.0	**39.3**	98	86-116		1.0	
Xylene (Total)		120	**121**	101	88-115		3.0	
Tetrahydrofuran		40.0	**31.9**	80	60-122		10	
Styrene		40.0	**38.5**	96	81-115		1.0	
Bromoform		40.0	**38.9**	97	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**39.2**	98	81-127		1.0	
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				99	*78-116*			
Laboratory Control Sample						Analyzed:	10/03/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100510	
Chloromethane		40.0	**35.2**	88	68-130		1.0	
Vinyl Chloride		40.0	**35.2**	88	73-130		1.0	

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100510

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Bromomethane		40.0	**54.1**	135	56-140			1.0
Chloroethane		40.0	**35.2**	88	71-130			1.0
1,1-Dichloroethene		40.0	**40.1**	100	81-125			1.0
Acetone		40.0	**39.6**	99	52-134			5.0
Carbon Disulfide		40.0	**42.5**	106	74-133			5.0
Methylene Chloride		40.0	**35.3**	88	74-135			1.0
trans-1,2-Dichloroethene		40.0	**38.7**	97	85-121			1.0
1,1-Dichloroethane		40.0	**37.7**	94	80-122			1.0
cis-1,2-Dichloroethene		40.0	**37.4**	94	84-121			1.0
2-Butanone (MEK)		40.0	**38.7**	97	60-134			5.0
Chloroform		40.0	**38.2**	96	86-120			1.0
1,1,1-Trichloroethane		40.0	**39.9**	100	81-123			1.0
Carbon Tetrachloride		40.0	**39.2**	98	80-126			1.0
Benzene		40.0	**38.8**	97	86-120			1.0
1,2-Dichloroethane		40.0	**41.0**	103	78-121			1.0
Trichloroethene		40.0	**42.0**	105	80-122			1.0
1,2-Dichloropropane		40.0	**37.7**	94	77-125			1.0
Bromodichloromethane		40.0	**39.4**	98	81-126			1.0
cis-1,3-Dichloropropene		40.0	**39.1**	98	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**38.4**	96	57-134			5.0
Toluene		40.0	**38.2**	96	87-123			1.0
trans-1,3-Dichloropropene		40.0	**40.8**	102	70-125			1.0
1,1,2-Trichloroethane		40.0	**39.4**	99	86-123			1.0
Tetrachloroethene		40.0	**42.1**	105	85-115			1.0
2-Hexanone		40.0	**41.8**	105	53-137			5.0
Dibromochloromethane		40.0	**42.9**	107	77-114			1.0
Chlorobenzene		40.0	**41.4**	103	88-114			1.0
Ethylbenzene		40.0	**39.2**	98	86-116			1.0
Xylene (Total)		120	**120**	100	88-115			3.0
Tetrahydrofuran		40.0	**34.0**	85	60-122			10
Styrene		40.0	**38.7**	97	81-115			1.0
Bromoform		40.0	**39.8**	100	70-126			1.0
1,1,2,2-Tetrachloroethane		40.0	**40.4**	101	81-127			1.0
Surrogates								
Dibromofluoromethane				97	*88-115*			
1,2-Dichloroethane-d4				100	*81-116*			

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100510

Surrogates (Continued)								
Toluene-d8				95	*87-113*			
4-Bromofluorobenzene				96	*78-116*			

Laboratory Control Sample Analyzed: 10/03/2007 By: JDM
Unit: ug/L Analytical Batch: 7100511

Chloromethane		40.0	**38.3**	96	68-130			1.0
Vinyl Chloride		40.0	**38.6**	97	73-130			1.0
Bromomethane		40.0	**40.0**	100	56-140			1.0
Chloroethane		40.0	**38.1**	95	71-130			1.0
1,1-Dichloroethene		40.0	**40.3**	101	81-125			1.0
Acetone		40.0	**38.6**	97	52-134			5.0
Carbon Disulfide		40.0	**38.8**	97	74-133			5.0
Methylene Chloride		40.0	**38.2**	96	74-135			1.0
trans-1,2-Dichloroethene		40.0	**39.1**	98	85-121			1.0
1,1-Dichloroethane		40.0	**39.3**	98	80-122			1.0
cis-1,2-Dichloroethene		40.0	**39.3**	98	84-121			1.0
2-Butanone (MEK)		40.0	**39.3**	98	60-134			5.0
Chloroform		40.0	**40.3**	101	86-120			1.0
1,1,1-Trichloroethane		40.0	**42.5**	106	81-123			1.0
Carbon Tetrachloride		40.0	**40.5**	101	80-126			1.0
Benzene		40.0	**39.9**	100	86-120			1.0
1,2-Dichloroethane		40.0	**41.6**	104	78-121			1.0
Trichloroethene		40.0	**44.5**	111	80-122			1.0
1,2-Dichloropropane		40.0	**40.1**	100	77-125			1.0
Bromodichloromethane		40.0	**42.4**	106	81-126			1.0
cis-1,3-Dichloropropene		40.0	**40.3**	101	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**37.8**	95	57-134			5.0
Toluene		40.0	**39.7**	99	87-123			1.0
trans-1,3-Dichloropropene		40.0	**40.6**	102	70-125			1.0
1,1,2-Trichloroethane		40.0	**41.8**	104	86-123			1.0
Tetrachloroethene		40.0	**41.8**	105	85-115			1.0
2-Hexanone		40.0	**40.1**	100	53-137			5.0
Dibromochloromethane		40.0	**42.7**	107	77-114			1.0
Chlorobenzene		40.0	**42.1**	105	88-114			1.0
Ethylbenzene		40.0	**40.6**	102	86-116			1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	10/03/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100511	
Xylene (Total)		120	**122**	102	88-115		3.0	
Tetrahydrofuran		40.0	**39.3**	98	60-122		10	
Styrene		40.0	**40.4**	101	81-115		1.0	
Bromoform		40.0	**42.5**	106	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**39.3**	98	81-127		1.0	
Surrogates								
Dibromofluoromethane				96	*88-115*			
1,2-Dichloroethane-d4				96	*81-116*			
Toluene-d8				95	*87-113*			
4-Bromofluorobenzene				96	*78-116*			
Laboratory Control Sample Duplicate						Analyzed:	10/04/2007	By: JDM
Unit: ug/L						Analytical Batch:	7100511	
Chloromethane		40.0	**32.2**	80	68-130	17	20	1.0
Vinyl Chloride		40.0	**33.4**	83	73-130	15	20	1.0
Bromomethane		40.0	**34.2**	85	56-140	16	20	1.0
Chloroethane		40.0	**46.5**	116	71-130	20	20	1.0
1,1-Dichloroethene		40.0	**37.5**	94	81-125	7	20	1.0
Acetone		40.0	**44.6**	111	52-134	14	20	5.0
Carbon Disulfide		40.0	**42.4**	106	74-133	9	20	5.0
Methylene Chloride		40.0	**35.9**	90	74-135	6	20	1.0
trans-1,2-Dichloroethene		40.0	**37.8**	95	85-121	3	20	1.0
1,1-Dichloroethane		40.0	**38.2**	96	80-122	3	20	1.0
cis-1,2-Dichloroethene		40.0	**38.8**	97	84-121	1	20	1.0
2-Butanone (MEK)		40.0	**38.8**	97	60-134	1	20	5.0
Chloroform		40.0	**39.1**	98	86-120	3	20	1.0
1,1,1-Trichloroethane		40.0	**39.5**	99	81-123	7	20	1.0
Carbon Tetrachloride		40.0	**38.5**	96	80-126	5	20	1.0
Benzene		40.0	**37.8**	95	86-120	5	20	1.0
1,2-Dichloroethane		40.0	**41.5**	104	78-121	0.3	20	1.0
Trichloroethene		40.0	**46.3**	116	80-122	4	20	1.0
1,2-Dichloropropane		40.0	**37.9**	95	77-125	6	20	1.0
Bromodichloromethane		40.0	**40.0**	100	81-126	6	20	1.0
cis-1,3-Dichloropropene		40.0	**37.3**	93	78-119	8	20	1.0
4-Methyl-2-pentanone (MIBK)		40.0	**40.7**	102	57-134	7	20	5.0
Toluene		40.0	**36.7**	92	87-123	8	20	1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0711710 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample Duplicate (Continued) Analyzed: 10/04/2007 By: JDM
Unit: ug/L Analytical Batch: 7100511

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
trans-1,3-Dichloropropene		40.0	**36.3**	91	70-125	11	20	1.0
1,1,2-Trichloroethane		40.0	**40.7**	102	86-123	3	20	1.0
Tetrachloroethene		40.0	**40.2**	100	85-115	4	20	1.0
2-Hexanone		40.0	**43.4**	108	53-137	8	20	5.0
Dibromochloromethane		40.0	**41.7**	104	77-114	2	20	1.0
Chlorobenzene		40.0	**40.4**	101	88-114	4	20	1.0
Ethylbenzene		40.0	**38.0**	95	86-116	7	20	1.0
Xylene (Total)		120	**113**	94	88-115	7	20	3.0
Tetrahydrofuran		40.0	**37.1**	93	60-122	6	20	10
Styrene		40.0	**37.3**	93	81-115	8	20	1.0
Bromoform		40.0	**39.2**	98	70-126	8	20	1.0
1,1,2,2-Tetrachloroethane		40.0	**32.1**	**80**	81-127	20	20	1.0
Surrogates								
Dibromofluoromethane				98	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				93	*87-113*			
4-Bromofluorobenzene				96	*78-116*			

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Alkalinity, Total**/USEPA-310.1								
QC Batch: 0711712 (General Inorganic Prep)							Analyzed: 10/05/2007 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**233**	mg/L	98	91-110			2.0
0709573-02 DNR4D-092707-PR									
Matrix Spike	244	238	**474**	mg/L	97	78-117			2.0
Duplicate	244		**250**	mg/L			2	20	2.0
QC Batch: 0711877 (Method-Specific Preparation)							Analyzed: 10/09/2007 By: CLB		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**220**	mg/L	92	91-110			2.0
0710046-01 GW24D-100107-VM									
Matrix Spike	333	238	**540**	mg/L	87	78-117			2.0
Duplicate	333		**327**	mg/L			2	20	2.0
QC Batch: 0711352 (General Inorganic Prep)							Analyzed: 09/28/2007 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**227**	mg/L	95	91-110			2.0
0709498-01 GW21S-092407-BE									
Matrix Spike	323	238	**559**	mg/L	99	78-117			2.0
Duplicate	323		**318**	mg/L			2	20	2.0
0709553-02 MW3I-092607-PR									
Matrix Spike	334	238	**553**	mg/L	92	78-117			2.0
Duplicate	334		**322**	mg/L			4	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0711457 (General Inorganic Prep)							Analyzed: 10/01/2007 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		25.0	**25.1**	mg/L	100	92-104			1.0
0709573-01 DNR1-092707-PR									
Matrix Spike	1.41	10.0	**11.2**	mg/L	98	80-115			1.0
Duplicate	1.41		**1.43**	mg/L			2	20	1.0
QC Batch: 0711787 (General Inorganic Prep)							Analyzed: 10/05/2007 By: GEH		
Method Blank			<1.0	mg/L					1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Carbon, Total Organic**/USEPA-415.1 (Continued)								
QC Batch: 0711787 (Continued) (General Inorganic Prep)							Analyzed: 10/05/2007 By: GEH		
Laboratory Control Sample		25.0	**25.5**	mg/L	102	92-104			1.0
0710046-01 GW24D-100107-VM									
Matrix Spike	1.37	10.0	**11.1**	mg/L	97	75-124			1.0
Matrix Spike Duplicate	1.37	10.0	**11.1**	mg/L	97	75-124	0.009	20	1.0
QC Batch: 0711264 (General Inorganic Prep)							Analyzed: 09/26/2007 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		25.0	**25.4**	mg/L	101	92-104			1.0
0709498-01 GW21S-092407-BE									
Matrix Spike	1.00	10.0	**10.8**	mg/L	98	80-115			1.0
Matrix Spike Duplicate	1.00	10.0	**10.3**	mg/L	93	80-115	5	20	1.0
QC Batch: 0711305 (General Inorganic Prep)							Analyzed: 09/27/2007 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		25.0	**25.3**	mg/L	101	92-104			1.0
0709523-01 PW8-092507-PR									
Matrix Spike	1.07	10.0	**10.0**	mg/L	90	80-115			1.0
Matrix Spike Duplicate	1.07	10.0	**10.2**	mg/L	92	80-115	2	20	1.0
QC Batch: 0711400 (General Inorganic Prep)							Analyzed: 09/28/2007 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		25.0	**25.4**	mg/L	101	92-104			1.0
0709553-02 MW3I-092607-PR									
Matrix Spike	1.30	10.0	**11.2**	mg/L	99	80-115			1.0
Matrix Spike Duplicate	1.30	10.0	**10.7**	mg/L	94	80-115	5	20	1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0711672 (General Inorganic Prep)							Analyzed: 10/04/2007 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		43.8	**44.0**	mg/L	101	92-109			1.0
0709573-01 DNR1-092707-PR									
Matrix Spike	1.44	50.0	**52.4**	mg/L	102	72-125			1.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Chloride**/USEPA-325.2 (Continued)								
QC Batch: 0711672 (Continued) (General Inorganic Prep)							Analyzed: 10/04/2007 By: GEH		
0709573-01 DNR1-092707-PR									
Matrix Spike Duplicate	1.44	50.0	**52.5**	mg/L	102	72-125	0.3	20	1.0
QC Batch: 0711398 (General Inorganic Prep)							Analyzed: 09/28/2007 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		43.8	**44.4**	mg/L	101	92-109			1.0
0709498-01 GW21S-092407-BE									
Matrix Spike	6.44	50.0	**57.7**	mg/L	102	72-125			1.0
Matrix Spike Duplicate	6.44	50.0	**57.6**	mg/L	102	72-125	0.2	20	1.0
0709553-02 MW3I-092607-PR									
Matrix Spike	3.61	50.0	**54.9**	mg/L	103	72-125			1.0
Matrix Spike Duplicate	3.61	50.0	**55.5**	mg/L	104	72-125	1	20	1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0711520 (General Inorganic Prep)							Analyzed: 10/02/2007 By: GEH		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		1.02	**0.976**	mg/L	96	90-110			0.050
0709498-01 GW21S-092407-BE									
Matrix Spike	0.167	0.500	**0.658**	mg/L	98	90-110			0.050
Matrix Spike Duplicate	0.167	0.500	**0.661**	mg/L	99	90-110	0.5	20	0.050
0709523-01 PW8-092507-PR									
Matrix Spike	0.142	0.500	**0.646**	mg/L	101	90-110			0.050
Matrix Spike Duplicate	0.142	0.500	**0.644**	mg/L	101	90-110	0.2	20	0.050
0709553-02 MW3I-092607-PR									
Matrix Spike	0.115	0.500	**0.596**	mg/L	96	90-110			0.050
Matrix Spike Duplicate	0.115	0.500	**0.589**	mg/L	95	90-110	1	20	0.050
QC Batch: 0711835 (General Inorganic Prep)							Analyzed: 10/08/2007 By: GEH		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		1.02	**0.971**	mg/L	95	90-110			0.050
0710046-01 GW24D-100107-VM									
Matrix Spike	0.0640	0.500	**0.543**	mg/L	96	90-110			0.050

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1 (Continued)								
QC Batch: 0711835 (Continued) (General Inorganic Prep)							Analyzed: 10/08/2007 By: GEH		
0710046-01 GW24D-100107-VM									
Matrix Spike Duplicate	0.0640	0.500	**0.542**	mg/L	96	90-110	0.2	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0711553 (Method-Specific Preparation)							Analyzed: 10/03/2007 By: INR		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.554	**0.545**	mg/L	98	90-110			0.050
QC Batch: 0711553 (Method-Specific Preparation)							Analyzed: 10/10/2007 By: INR		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.554	**0.548**	mg/L	99	90-110			0.050
QC Batch: 0711345 (Method-Specific Preparation)							Analyzed: 09/26/2007 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.554	**0.548**	mg/L	99	90-110			0.050
0709498-01 GW21S-092407-BE									
Matrix Spike	<0.050	0.500	**0.511**	mg/L	102	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.506**	mg/L	101	90-110	1	20	0.050
QC Batch: 0711557 (Method-Specific Preparation)							Analyzed: 09/28/2007 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.554	**0.502**	mg/L	91	90-110			0.050
0709553-02 MW3I-092607-PR									
Matrix Spike	0.0119	0.500	**0.487**	mg/L	95	90-110			0.050
Matrix Spike Duplicate	0.0119	0.500	**0.485**	mg/L	95	90-110	0.5	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0711551 (Method-Specific Preparation)							Analyzed: 10/03/2007 By: INR		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.498**	mg/L	100	90-110			0.050
QC Batch: 0711551 (Method-Specific Preparation)							Analyzed: 10/10/2007 By: INR		
Method Blank			<0.050	mg/L					0.050

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2 (Continued)								
QC Batch: 0711551 (Continued) (Method-Specific Preparation)							Analyzed: 10/10/2007 By: INR		
Laboratory Control Sample		0.500	**0.505**	mg/L	101	90-110			0.050
QC Batch: 0711558 (Method-Specific Preparation)							Analyzed: 09/26/2007 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.505**	mg/L	101	90-110			0.050
0709498-01 GW21S-092407-BE									
Matrix Spike	0.00861	0.500	**0.511**	mg/L	101	90-110			0.050
Matrix Spike Duplicate	0.00861	0.500	**0.507**	mg/L	100	90-110	0.8	20	0.050
QC Batch: 0711585 (Method-Specific Preparation)							Analyzed: 09/28/2007 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.492**	mg/L	98	90-110			0.050
0709553-02 MW3I-092607-PR									
Matrix Spike	<0.050	0.500	**0.501**	mg/L	100	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.502**	mg/L	100	90-110	0.3	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0711665 (General Inorganic Prep)							Analyzed: 10/04/2007 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		28.8	**28.7**	mg/L	100	88-112			5.0
0709573-01 DNR1-092707-PR									
Matrix Spike	<5.0	20.0	**18.9**	mg/L	94	76-126			5.0
Matrix Spike Duplicate	<5.0	20.0	**18.8**	mg/L	94	76-126	0.3	20	5.0
QC Batch: 0711393 (General Inorganic Prep)							Analyzed: 09/28/2007 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		28.8	**27.9**	mg/L	97	88-112			5.0
0709498-01 GW21S-092407-BE									
Matrix Spike	19.6	20.0	**36.2**	mg/L	83	76-126			10
Matrix Spike Duplicate	19.6	20.0	**36.1**	mg/L	82	76-126	0.4	20	10
0709553-02 MW3I-092607-PR									
Matrix Spike	14.4	20.0	**32.4**	mg/L	90	76-126			5.0

Continued on next page

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Sulfate**/USEPA-375.4 (Continued)								
QC Batch: 0711393 (Continued) (General Inorganic Prep)							Analyzed: 09/28/2007 By: GEH		
0709553-02 MW3I-092607-PR									
Matrix Spike Duplicate	14.4	20.0	**32.8**	mg/L	92	76-126	1	20	5.0

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The LCS and/or LCSD recovery was less than the lower control limit but greater than or equal to 10%. All results for this analyte in all samples from the associated QC batch are considered estimated.

Analysis: USEPA-8260B

Sample/Analyte:		
0709573-01	DNR1-092707-PR	1,1,2,2-Tetrachloroethane
0709573-02	DNR4D-092707-PR	1,1,2,2-Tetrachloroethane
0709573-03	GW4D-092707-PR	1,1,2,2-Tetrachloroethane
0709573-04	DNR4D-092707-PR DUP	1,1,2,2-Tetrachloroethane
0709573-05	GW24I-092707-PR	1,1,2,2-Tetrachloroethane
0709573-06	Trip Blank TM1665	1,1,2,2-Tetrachloroethane
0709573-07	GW22I-092707-VM	1,1,2,2-Tetrachloroethane
0709573-08	GW22S-092707-VM	1,1,2,2-Tetrachloroethane
0709573-09	FB3-092707-VM	1,1,2,2-Tetrachloroethane
0709573-10	GW23I-092707-VM	1,1,2,2-Tetrachloroethane
0709573-11	GW22D-092707-VM	1,1,2,2-Tetrachloroethane
0709573-12	Trip Blank TM1749	1,1,2,2-Tetrachloroethane

Qualification: The MS and/or MSD recovery exceeded the upper control limit. The non-spiked sample result for the same analyte was non-detect and is not qualified.

Analysis: USEPA-8260B

Sample/Analyte:		
0709498-01	GW21S-092407-BE	1,1,2,2-Tetrachloroethane

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

STATEMENT OF DATA QUALIFICATIONS

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Qualification: This sample was analyzed for Nitrate+Nitrite-N within the 28 day EPA hold time from a preserved container. Nitrate+Nitrite-N was ND at the reporting limit, thus Nitrate-N can be reported as ND without qualification.

Analysis: USEPA-353.2

Sample/Analyte: 0710046-01 GW24D-100107-VM Nitrogen, Nitrate

This report shall not be reproduced except in full, without the written authorization of TriMatrix Laboratories, Inc.
Individual sample results relate only to the sample tested.
5560 Corporate Exchange Court SE • Grand Rapids, MI 49512 • (616) 975-4500 • Fax (616) 942-7463

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121051

Page 1 of 1

For Lab Use Only
Cart 7
VOA Rack/Tray 6824 6850
Receipt Log No. 19-8
Project Chemist
Laboratory Project No. E070948

Client Name: Earth Tech
Address: 36133 Schoolcraft, Livonia, MI 48150
Phone 734-779-2800
Fax 734-779-2860

Project Name: DC-Rose
Client Project No./P.O. No. 96362.05
Invoice No. ☒ Client ☐ Other (comments)
Contact/Report To: Brian Earl

Analyses Requested

PRESERVATIVES: A NONE pH~7; B HNO3 pH<2; C H2SO4 pH<2; D 1+1 HCl pH<2; E NaOH pH>12; F ZnAc/NaOH pH>9; G MeOH; H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOC	Ammonia	Nitrate/Nitrite	Sulfate	Cl-	TOL	Alk	Diss. Gases	Total	Sample Comments
02		-01	1	GW21S-092407-BC	TM-0402	9/24/07	1300		X	GW	X	X	X	X	X	X	X	X	18	MS/MSD
		-02	2	GW21D-092407-VM			1335		X		X	X	X	X	X	X	X	X	9	
		-03	3	GW20S-092407-VM			1440		X		X	X	X	X	X	X	X	X	9	
		-04	4	GW20I-092407-VM			1510		X		X	X	X	X	X	X	X	X	9	
		-05	5	GW20R-092407-VM	TM-1438		1530		X		X	X	X	X	X	X	X	X	9	
		-06	6	GW19D-092407-VM			1615		X		X	X	X	X	X	X	X	X	9	
		-07	7	GW19S-092407-VM			1640		X		X	X	X	X	X	X	X	X	9	
		-08	8	GW17D-092407-VM			1725		X		X	X	X	X	X	X	X	X	9	
01		-09	9	~~Rinsate~~ EB1-092407-VM			1740		X		X								2	
		-10	10	Trip Blank-092407		—	—		X	—	X								2	

Sampled By (print): Brian Earl
Sampler's Signature: [signature]
Company: Earth Tech

How Shipped? Hand Carrier Fed Ex
Tracking No.

	Date	Time
1. Relinquished By [signature]	9/24/07	1930
1. Received By		
2. Relinquished By		
2. Received By		
3. Relinquished By		
3. Received For Lab By Kim Ziegler	9-25-07	8:00

Comments: Fed Ex

TriMatrixCOC – COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121064

Page 1 of 7

For Lab Use Only
Cart 4
VOA Rack/Tray 419,425 ID.
Receipt Log No. 21-1
Project Chemist
Laboratory Project No. 0709523

Client Name: EARTH TECH INC.
Address: 36133 SCHOOLCRAFT
LIVONIA MI
Phone
Fax

Project Name: ROSE Y4 SAMPLING
Client Project No./P.O. No.: 96362.05
Invoice No. ☐ Client ☐ Other (comments)
Contact/Report To

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List).

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted									Total	Sample Comments
02		01	1	PW8-092507-PR	E.T cooler	92507	1358		X	AQ	2	7								9	
01		02	2	PW1-092507-PR	↓	"	1433		X	AQ	2									2	
↓		03	3	PW6-092507-PR	TM 0419	"	1508		X	AQ	2									2	
02		04	4	GW17I-092507-PR VM		"	9:40		X	AQ	2	7								9	
		05	5	GW18-092507-VM		"	10:22		X	AQ	2	7								9	
		06	6	GW5I-092507-VM		"	11:15		X	AQ	2	7								9	
		07	7	GW6D-092507-VM	↓	"	12:05		X	AQ	2	7								9	
		08	8	PW7-092507-VM	E.T	"	14:05		X	AQ	2	7								9	
01		09	9	PW4-092507-VM		"	1458		X	AQ	2									2	
FB ↓	WQ	10	10	FB1-092507-PR	↓	"	1150		X	AQ	2									2	

Sampled By (print): PHILLIP RILEY
Sampler's Signature: Phillip Riley
Company: CTI and ASSOCIATES

How Shipped? Hand Carrier
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
	9/25/07	19:00						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
	9/25/07	09				Kim Ziegler	9-26-07	8:30

Fed Ex

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121063

Page 2 of 2

For Lab Use Only

Cart 4

VOA Rack/Tray 419.425w

Receipt Log No. 21-1

Project Chemist

Laboratory Project No. E-0709523

Client Name	EARTH TECH
Address	36133 SCHOOLCRAFT
Phone	
Fax	
Project Name	ROSE YU SAMPLING
Client Project No./P.O. No.	96 0362 05
Invoice No.	☐ Client ☐ Other (comments)
Contact/Report To	

Analyses Requested: VOC

Container Type (corresponds to Container Packing List)

⇦ PRESERVATIVES
A NONE pH>7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
EB01	WQ	11	1	EB2-092507-PR		9/25/07	15:30		X	AQ	2	2	
			2										
			3										
			4										
			5										
			6										
			7										
			8										
			9										
			10										

Sampled By (print): VIPUL MEHRA

Sampler's Signature: Vipul

Company: EARTH TECH.

How Shipped? Hand Carrier

Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Vipul	9/25/07	19:00						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						Kim Ziegler	9-26-07	8:30

Fed Ex

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121061

(1)

Page 1 of 1

For Lab Use Only
Cart: 6
VOA Rack/Tray: 2/2, 70, 143 W.
Receipt Log No.: 23-4
Project Chemist:
Laboratory Project No.: E 0709553

Client Name: EARTH TECH
Address: 36133 SCHOOLCRAFT
LIVONIA MI
Phone:
Fax:

Project Name: ROSE TWP Y4 SAMPLING
Client Project No./P.O. No.: 96362.05
Invoice No.: ☐ Client ☐ Other (comments)
Contact/Report To:

Analyses Requested: VOC, NA

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Container Type (corresponds to Container Packing List)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOC	NA	Total	Sample Comments
02		01	1	RW55-092607-PR	TM 1785	9-26-07	1038				X	X	9	
↓		02	2	MW3I-092607-PR	"	"	1348				X	X	9	
			3	MW3I-092607-PRMSMD	"	"	1359				X	X	9	
02		03	4	MW103S-092607-PR	"	"	1638				X	X	9	
↓		04	5	PWR7-092607PR	"	"	1827				X	X	9	
EB01	WQ	05	6	EB3-092607-PR	"	"	1705				X		2	
TB ↓	↓	06	7	TRIP BLANK	"						X		1	
			8											
			9											
			10											

Sampled By (print): PHILLIP RILEY
Sampler's Signature: [signature]
Company: CTI and ASSOC.

How Shipped? Hand Carrier
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
YIPUL	9/26/07	17:30						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						Kim Ziegler	9-27-07	8:30

Fed EX

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121062

(2)

For Lab Use Only

Cart: 6
VOA Rack/Tray: 212, 70143 W.
Receipt Log No.: 23-4
Project Chemist:
Laboratory Project No.: E-0709553

Client Name: EARTH INC
Address: 36133 SCHOOLCRAFT RD. LIVONIA, MI 48150
Phone:
Fax:

Project Name: ROSE 1/4 SAMPLING
Client Project No./P.O. No.: 96362.05
Invoice No.: ☐ Client ☐ Other (comments)
Contact/Report To:

Analyses Requested: VOC, NA

Page ____ of ____

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Container Type (corresponds to Container Packing List)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted									Total	Sample Comments
02		07	1	MW102D-092607-VM	TM 1311	9/26/07	1202		X	AQ	2	7								9	
FD		08	2	RW1D-092607-VM-DUP		9/26/07	1445		X	AQ	2	7								9	
		09	3	GW25I-92607-VM		9/26/07	1712		X	AQ	2	7								9	
		10	4	RW1D-92607-VM		9/26/07	1430		X	AQ	2	7								9	
FB 01	WQ	11	5	FB2-92607-VM		9/26/07	1435		X	AQ	2									2	
02		12	6	GW25D-92607-VM		9/26/07	1612		X	AQ	2	7								9	
			7																		
			8																		
			9																		
			10																		

Sampled By (print): VIPUL MEHRA
Sampler's Signature: Vipul.
Company: EARTH TECH

How Shipped? Hand Carrier FED EX
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
VIPUL	9/26/07	1930						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						Kim Ziegler	9-27-07	8:30

Fed Ex

TriMatrixCOC – COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.
5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 120840

Page 1 of 1

For Lab Use Only

Cart	1
VOA Rack/Tray	95B, 168B
Receipt Log No.	254
Project Chemist	[signature]
Laboratory Project No.	0709573

Client Name	EARTH TECH INC.
Address	36133 SCHOOLCRAFT
	LIVONIA, MI
Phone	
Fax	
Project Name	ROSE TWP 1/4 SAMP.
Client Project No./P.O. No.	96362.05
Invoice No.	☐ Client ☐ Other (comments)
Contact/Report To	

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

	Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOC	NA								Total	Sample Comments
	02		01	1	DNR1-092707-PR	Tm 1665	9-27-07	0925		X	AQ	2	7								9	
			02	2	DNR4D-092707-PR		9-27-07	1248		X	AQ	2	7								9	
			03	3	GW4D-092707-PR		9-27-07	1457		X	AQ	2	7								9	
FD			04	4	DNR4D-092707-PR ~~[illegible]~~ DUP PR		9-27-07	1258		X	AQ	2	7								9	
			05	5	GW24I-092707-PR		9-27-07	1607		X	AQ	2	7								9	
TB	01	WQ	06	6	TRIP BLANK					X	AQ	2									1	
				7																		
				8																		
				9																		
				10																		

Sampled By (print): PHILLIP RILEY

Sampler's Signature: Phillip Riley

Company: CTI and ASSOC.

How Shipped? Hand Carrier _____

Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
VIPUL	9/27/07	17:00						
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	9/28/07	0845

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

2

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121060

Page ____ of ____

For Lab Use Only

Cart: 1

VOA Rack/Tray: 95B, 168B

Receipt Log No.: 25.4

Project Chemist: EW

Laboratory Project No.: E-0709573

Client Name: EARTH TECH

Address: 36133 SCHOOLCRAFT RD, LIVONIA, MI 48150

Phone:

Fax:

Project Name: ROSE Y4 SAMPLING

Client Project No./P.O. No.: 96362.05

Invoice No.: ☐ Client ☐ Other (comments)

Contact/Report To:

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

⇨ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted		Total	Sample Comments
02		07	1	GW22I-092707-VM	TM 1749	9/27/07	1040		X	AQ	2	7	9	
↓		08	2	GW22S-092707-VM		"	1145		X	AQ	2	7	9	
FB 01	WQ	09	3	FB3-092707-VM		"	1135		X	AQ	2		2	
02		10	4	GW23I-092707-VM		"	1531		X	AQ	2	7	9	
↓		11	5	GW22D-092707-VM	↓	"	1405		X	AQ	2	7	9	
		12	6	* Trip Blank	↓	9/27	—							
			7											
			8											
			9											
			10											

Sampled By (print): VIPUL

Sampler's Signature: Vipul

Company: EARTH TECH

How Shipped? Hand Carrier FED EX

Tracking No.:

Comments: * Trip Blank added by TriMatrix

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Vipul	09/27/07	17:00						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						William Cole	9/28/07	0845

TriMatrixCOC -- COC

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 121052

Page ____ of ____

For Lab Use Only

Cart: /

VOA Rack/Tray: 189B, 156B

Receipt Log No.: 31-16

Project Chemist: [illegible]

Laboratory Project No.: 0710046

Client Name: EARTH TECH INC.

Address: 36133 SCHOOLCRAFT RD. LIVONIA, MI 48150

Phone:

Fax:

Project Name: ROSE Y4 GW SAMPLING

Client Project No./P.O. No.: 96362.05

Invoice No.: ☐ Client ☐ Other (comments)

Contact/Report To:

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted								Total	Sample Comments
02		01	1	GW24D-100107-VM		10/1/07	10:20		X	AQ	2	7							9	
		02	2	GW23S-100107-VM		"	12:00		X	"	2	7							9	
FD		03	3	GW23S-100107-VM-DUP		"	12:20		X	"	2	7							9	
		04	4	GW23D-100107-VM		"	1445		X	"	2	7							9	
		05	5	GW26I-100107-VM		"	1645		X	"	2	7							9	
		06	6	GW26D-100107-VM		"	1740		X	"	2	7							9	
			7																	
			8																	
			9																	
			10																	

Sampled By (print): VIPUL

Sampler's Signature: Vipul

Company: EARTH TECH INC.

How Shipped? Hand Carrier FED EX

Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Vipul	10/01/07	19:00						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						[signature]	10/2/07	0830

TriMatrixCOC – COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Jul-07
Cumulative Totalizer Readings, Units as Given

Date	PW-4				PW-1				PW-6				PW-7				PW-8				PW-3				SVE		INFLUENT	
	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	TOTAL	(gallons)
7/1/2007		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
7/2/2007		85,231	24	100		0	0	0		172,923	24	100		0	0	0		0	0	0		51,385	24	100		0		234,699
7/3/2007		85,231	24	100		0	0	0		172,923	24	100		43,091	24	100		6,182	24	100		51,385	24	100		0		391,164
7/4/2007		85,231	24	100		0	0	0		172,923	24	100		43,091	24	100		6,182	24	100		51,385	24	100		0		391,164
7/5/2007	255,999,000	89,200	24	100	285,806,000	0	0	0	269,732,000	169,200	24	100	123,544,000	35,800	24	100	107,783,000	7,800	24	100	271,436,000	55,000	24	100	279,042	0	1,328,255,000	391,164
7/6/2007		89,200	24	100		0	0	0		169,200	24	100		35,800	24	100		7,800	24	100		55,000	24	100		0		391,164
7/7/2007		89,200	24	100		0	0	0		169,200	24	100		35,800	24	100		7,800	24	100		55,000	24	100		0		391,164
7/8/2007		89,200	24	100		0	0	0		169,200	24	100		35,800	24	100		7,800	24	100		55,000	24	100		0		391,164
7/9/2007		89,200	24	100		92,312	18	75		169,200	24	100		35,800	24	100		7,800	24	100		55,000	24	100		0		449,839
7/10/2007	256,445,000	85,333	24	100	285,929,082	74,869	24	100	270,578,000	172,167	24	100	123,723,000	47,833	24	100	107,822,000	17,667	24	100	271,711,000	48,833	24	100	279,042	0	NA	469,397
7/11/2007		85,333	24	100		74,869	24	100		172,167	24	100		47,833	24	100		17,667	24	100		48,833	24	100		0		469,397
7/12/2007		85,333	24	100		74,869	24	100		172,167	24	100		47,833	24	100		17,667	24	100		48,833	24	100		0		469,397
7/13/2007		85,333	24	100		74,869	24	100		172,167	24	100		47,833	24	100		17,667	24	100		48,833	24	100		0		469,397
7/14/2007		85,333	24	100		74,869	24	100		172,167	24	100		47,833	24	100		17,667	24	100		48,833	24	100		0		469,397
7/15/2007		85,333	24	100		74,869	24	100		172,167	24	100		47,833	24	100		17,667	24	100		48,833	24	100		0		469,397
7/16/2007	256,957,000	84,571	24	100	286,378,297	77,785	24	100	271,611,000	169,857	24	100	124,010,000	46,571	24	100	107,928,000	18,143	24	100	272,004,000	48,429	24	100	279,042	0	NA	469,397
7/17/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/18/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/19/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/20/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/21/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/22/2007		84,571	24	100		77,785	24	100		169,857	24	100		46,571	24	100		18,143	24	100		48,429	24	100		0		469,397
7/23/2007	257,549,000	84,143	24	100	286,922,794	140,071	24	100	272,800,000	167,000	24	100	124,336,000	45,143	24	100	108,055,000	19,000	24	100	272,343,000	47,714	24	100	279,042	0	1,338,252,000	568,857
7/24/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/25/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/26/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/27/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/28/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/29/2007		84,143	24	100		140,071	24	100		167,000	24	100		45,143	24	100		19,000	24	100		47,714	24	100		0		568,857
7/30/2007	258,138,000	100,571	24	100	287,903,293	117,797	24	100	273,969,000	169,571	24	100	124,652,000	45,857	24	100	108,188,000	20,429	24	100	272,677,000	48,571	24	100	279,042	0	1,342,234,000	564,286
7/31/2007		100,571	24	100		117,797	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
MONTHLY TOTAL		2,595,835				2,302,116				5,094,912				1,285,896				458,221				1,492,297				0		14,244,259
DAILY AVERAGE		83,737				74,262				164,352				41,481				14,781				48,139				0		459,492
PER. MIN. AVG.		58				52				114				29				10				33				0		319
AVG % OPERATION				97				73				97				94				94				97				

Notes:

1. The "Total Influent" totalizer readings are recorded from a flow totalizer and may vary from the sum of the totalizer readings from the individual wells.
2. PW-3, PW-1, and PW-6 were brought online on July 2, 2007 after DTE Energy restored power to the site.
3. PW-7 and PW-8 were brought online on July 3, 2007 after making adjustment to the thermal overloads.
4. As a temporary solution, PW-1 was fitted with an analog flow sensor and brought online on July 9, 2007. The temporary analog flow sensor was replaced on August 2, 2007 (see Page 2).
5. NA = Readings not recorded.

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Aug-07
Cumulative Totalizer Readings, Units as Given

Date	PW-4				PW-1				PW-6				PW-7				PW-8				PW-3				SVE		INFLUENT	
	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	TOTAL	(gallons)
8/1/2007		100,571	24	100		117,797	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
8/2/2007		100,571	24	100	288,256,683	169,250	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
8/3/2007		100,571	24	100		169,250	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
8/4/2007		100,571	24	100		169,250	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
8/5/2007		100,571	24	100		169,250	24	100		169,571	24	100		45,857	24	100		20,429	24	100		48,571	24	100		0		564,286
8/6/2007	258,842,000	112,571	24	100	677,000	179,286	24	100	275,156,000	167,714	24	100	124,973,000	36,429	24	100	108,331,000	22,143	24	100	273,017,000	48,143	24	100	279,042	0	1,346,184,000	572,143
8/7/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/8/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/9/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/10/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/11/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/12/2007		112,571	24	100		179,286	24	100		167,714	24	100		36,429	24	100		22,143	24	100		48,143	24	100		0		572,143
8/13/2007	259,630,000	112,286	24	100	1,932,000	179,429	24	100	276,330,000	168,000	24	100	125,228,000	53,429	24	100	108,486,000	23,143	24	100	273,354,000	48,286	24	100	279,042	0	NA	572,143
8/14/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/15/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/16/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/17/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/18/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/19/2007		112,286	24	100		179,429	24	100		168,000	24	100		53,429	24	100		23,143	24	100		48,286	24	100		0		572,143
8/20/2007	260,416,000	0	0	0	3,188,000	0	0	0	277,506,000	0	0	0	125,602,000	0	0	0	108,648,000	0	0	0	273,692,000	0	0	0	279,042	0	1,354,194,000	0
8/21/2007		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
8/22/2007		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
8/23/2007		89,000	24	100		186,000	24	100		182,250	24	100		47,750	24	100		23,000	24	100		46,250	24	100		0		539,000
8/24/2007		89,000	24	100		186,000	24	100		182,250	24	100		47,750	24	100		23,000	24	100		46,250	24	100		0		539,000
8/25/2007		89,000	24	100		186,000	24	100		182,250	24	100		47,750	24	100		23,000	24	100		46,250	24	100		0		539,000
8/26/2007		89,000	24	100		186,000	24	100		182,250	24	100		47,750	24	100		23,000	24	100		46,250	24	100		0		539,000
8/27/2007	260,772,000	78,250	24	100	3,932,000	164,125	24	100	278,235,000	154,625	24	100	125,793,000	41,625	24	100	108,740,000	21,125	24	100	273,877,000	39,875	24	100	279,042	0	1,356,509,000	539,000
8/28/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
8/29/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
8/30/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
8/31/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
MONTHLY TOTAL		2,824,107				4,870,422				4,699,982				1,257,411				616,768				1,302,232				0		15,682,429
DAILY AVERAGE		91,100				157,110				151,612				40,562				19,896				42,007				0		505,885
PER. MIN. AVG.		63				109				105				28				14				29				0		351
AVG % OPERATION				90				90				90				90				90				90				

Notes:
1. The "Total Influent" totalizer readings are recorded from a flow totalizer and may vary from the sum of the totalizer readings from the individual wells.
2. The treatment system was shut down from August 20 to 22, 2007 to enable cleaning of the stripper tower.
3. Votex flow meter on PW-1 was replaced with a new meter on August 2, 2007. The counter was reset and started from 0 gallons.
4. NA = Readings not recorded.

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Sep-07
Cumulative Totalizer Readings, Units as Given

Date	PW-4				PW-1				PW-6				PW-7				PW-8				PW-3				SVE		INFLUENT	
	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	Hours of Operation	% Operation	TOTAL	(gallons)	TOTAL	(gallons)
9/1/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
9/2/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
9/3/2007		78,250	24	100		164,125	24	100		154,625	24	100		41,625	24	100		21,125	24	100		39,875	24	100		0		539,000
9/4/2007	261,398,000	82,667	24	100	5,245,000	177,500	24	100	279,472,000	169,833	24	100	126,126,000	44,833	24	100	108,909,000	24,833	24	100	274,196,000	44,000	24	100	279,042	0	1,360,662,000	550,167
9/5/2007		82,667	24	100		177,500	24	100		169,833	24	100		44,833	24	100		24,833	24	100		44,000	24	100		0		550,167
9/6/2007		82,667	24	100		177,500	24	100		169,833	24	100		44,833	24	100		24,833	24	100		44,000	24	100		0		550,167
9/7/2007		82,667	24	100		177,500	24	100		169,833	24	100		44,833	24	100		24,833	24	100		44,000	24	100		0		550,167
9/8/2007		82,667	24	100		177,500	24	100		169,833	24	100		44,833	24	100		24,833	24	100		44,000	24	100		0		550,167
9/9/2007		82,667	24	100		177,500	24	100		169,833	24	100		44,833	24	100		24,833	24	100		44,000	24	100		0		550,167
9/10/2007	261,894,000	77,714	24	100	6,310,000	179,000	24	100	280,491,000	171,286	24	100	126,395,000	44,286	24	100	109,058,000	26,571	24	100	274,460,000	44,714	24	100	279,042	0	1,363,963,000	546,571
9/11/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		26,571	24	100		44,714	24	100		0		546,571
9/12/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		13,286	12	50		44,714	24	100		0		546,571
9/13/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		26,571	24	100		44,714	24	100		0		546,571
9/14/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		0	0	0		44,714	24	100		0		546,571
9/15/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		0	0	0		44,714	24	100		0		546,571
9/16/2007		77,714	24	100		179,000	24	100		171,286	24	100		44,286	24	100		0	0	0		44,714	24	100		0		546,571
9/17/2007	262,438,000	84,143	24	100	7,563,000	178,429	24	100	281,690,000	170,143	24	100	126,705,000	43,143	24	100	109,151,000	27,000	24	100	274,773,000	46,000	24	100	279,042	0	1,367,789,000	556,000
9/18/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/19/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/20/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/21/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/22/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/23/2007		84,143	24	100		178,429	24	100		170,143	24	100		43,143	24	100		27,000	24	100		46,000	24	100		0		556,000
9/24/2007	263,027,000	93,143	24	100	8,812,000	181,286	24	100	282,881,000	144,143	24	100	127,007,000	43,286	24	100	109,340,000	25,000	24	100	275,095,000	46,714	24	100	279,042	0	1,371,681,000	564,286
9/25/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
9/26/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
9/27/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
9/28/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
9/29/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
9/30/2007		93,143	24	100		181,286	24	100		144,143	24	100		43,286	24	100		25,000	24	100		46,714	24	100		0		564,286
MONTHLY TOTAL		2,515,750				5,328,375				4,881,875				1,308,875				669,375				1,345,625				0		16,586,000
DAILY AVERAGE		83,858				177,613				162,729				43,629				22,313				44,854				0		552,867
PER. MIN. AVG.		58				123				113				30				15				31				0		384
AVG % OPERATION				100				100				100				100				88				100				

Notes:
1. The "Total Influent" totalizer readings are recorded from a flow totalizer and may vary from the sum of the totalizer readings from the individual wells.
2. A no flow alarm was received on September 12, 2007. PW-8 remained offline from September 12 to 13, 2007. The overloads were reset and pump was brought back online on September 13, 2007.
3. A no flow alarm was received on September 14, 2007. PW-8 remained offline from September 14 to 16, 2007. The overloads were reset and pump was brought back online on September 16, 2007.