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Annual (June) 2008 Groundwater Monitoring Report for the Rose Township-Demode Road Site 913 Demode Road Holly, Michigan

Prepared For:

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

Prepared By:

Earth Tech | AECOM
36133 Schoolcraft
Livonia, MI 48150

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1.0 INTRODUCTION

This groundwater monitoring report documents field activities and analytical results from the June 2008 (Annual) groundwater sampling activities conducted at the Rose Township Demode Road Site (Site), located at 913 Demode Road, Holly, Michigan (Figure 1). Groundwater level measurements were collected from one-hundred twenty-six groundwater monitoring wells and two active and four inactive extraction wells on June 13, 2008. A total of Forty-eight groundwater monitoring wells were purged and sampled between June 16 and 23, 2008, using either low-flow pumping methods or by use of natural artesian conditions. In addition, samples were collected from four active extraction wells on June 16, 2008. This report summarizes the methods and procedures used during the monitoring event, the results of the June 2008 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 beyond, the northeast property boundary. To monitor the groundwater plume at the Site, thirty-two 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 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. However, since November 2007 the residence at 487 Demode has been vacant and drinking water sample collection has not been possible. VC concentrations in samples from the well at 510 Demode Road have ranged from 0.4 µg/L (6/9/03) to 6.3 µg/L (7/24/08) since 2003. Concentrations of VC have been slowly increasing in the well at 487 Demode Road since it was first detected on April 11, 2007. The most recent sample collected from the well at 487 Demode (November 16, 2007) contained VC at 0.93J µg/L.

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 2008 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 June 13 and 23, 2008. 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 June 2008 groundwater monitoring event were consistent with those established during previous quarterly monitoring events.

Forty-eight monitoring wells were sampled between June 16 and 23, 2008. Twenty-two of these were purged using a peristaltic pump and dedicated tubing while eleven were sampled using a bladder pump and dedicated tubing. Fifteen wells were purged and sampled using natural artesian flow. Additionally, four active recovery wells (PW-1, PW-3, PW-4, and PW-6) were sampled on June 16, 2008. Two additional extraction wells (PW-7 and PW-8) which are normally sampled during the quarterly sampling events were not sampled during the June 2008 event as they have been shut-down and are no longer active extraction wells. A brief description of the groundwater gauging, sampling, and analyses are provided below.

2.1 GROUNDWATER ELEVATIONS

On June 13, 2008, Earth Tech collected static groundwater level measurements from one-hundred and twenty-six groundwater monitoring wells and two active and four inactive 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 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 June 16 and 23, 2008 at forty-eight monitoring well locations and four 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 thirty-three groundwater monitoring wells were purged using low-flow methods, utilizing either a peristaltic pump (twenty-two wells) or a bladder pump (eleven wells), at flow rates ranging from 100 to 375 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 stabilization of the field parameters was observed.

Stabilization was considered to have been achieved when three consecutive readings for each parameter were within the following limits:

- pH - ±0.1 pH units of the average of the three readings;
- Temperature - ±3% of the average of the three readings;
- Conductivity - ±0.005 milliSiemen per centimeter (mS/cm) of the average value of the three readings for conductivity <1 mS/cm and ±0.01 mS/cm of the average value of the three readings for conductivity >1 mS/cm;
- ORP - ±10 millivolts (mV) of the average value of the three readings;
- DO - ±10 percent of the average value of the three readings; and
- Turbidity - ±10 percent of the average value of the three readings, or a final value of less than 5 nephelometric turbidity units (NTU).

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 fifteen 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

Four active groundwater extraction wells were sampled during the June 2008 annual 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 fifty-two monitoring and extraction well locations. Thirty-one wells including DNR-1, DNR-4D, DNR-7, GW-17D, 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, GW-4D, GW-5I, GW-5D, GW-6D, MW-103S, MW-3I, 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.

Seventeen wells including DNR-3, DNR-5, DNR-6, GW-1I, GW-3I, GW-6I, GW-12I ,GW-16, GW-17I, MW-2I, MW-102D, MW-107I, MW-108D, MW-109D, PW-9, RW-1, and RW-2 were analyzed only for VOCs by EPA Method 8260B.

Four active extraction wells (PW-1, PW-3, PW-4, and 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 six monitoring wells. The wells selected for duplicate sample collection were DNR-5, GW-19S, GW-20D, GW-26D, RW-1D, and RW-2. 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** - Five 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-4D, MW-5I, and MW-109D. 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** – Five 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 while conducting the sampling at a monitoring well. Field blank samples were collected during the sampling of wells GW-17I, GW-21S, GW-22I, GW-25I, and MW-103S.

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 forty-eight groundwater monitoring wells and four active extraction wells were purged and sampled during the June 2008 annual groundwater monitoring event. All samples were analyzed for VOCs and thirty-one wells were analyzed for biogeochemical indicator parameters. A total of nineteen 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 June 2008 annual groundwater monitoring results are summarized and discussed in the following sections.

3.1 GROUNDWATER ELEVATIONS

Water levels were measured in one hundred and twenty-six groundwater monitoring wells and two active and four inactive extraction wells on June 13, 2008. These water level data are summarized in Table 1.

Ninety-Five of the one hundred and twenty-six groundwater elevations measured were utilized to create the June 2008 groundwater contour figures. Fifty-nine monitoring well groundwater levels were input into the kriging program KT3D_L1, developed by S.S. Papadopulos & Associates, Inc. to produce the shallow zone groundwater elevation map of the site (Figure 2) and Forty-two monitoring well groundwater levels were input to produce the deep zone groundwater elevation map (Figure 3). The program includes kriging water levels with a drift term that accounts for the affect of pumping at wells.

The groundwater level elevations ranged from 1,013.82 ft. AMSL at well RW-10, located in the central portion of the property, to 967.60 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 0.003 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 0.009 ft/ft between these two well clusters.

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 7.63 (RW-1D) to 21.96 (GW-1I) °C.
- **pH:** Groundwater pH ranged from 6.96 (GW-19S) to 9.27 (GW-12I).
- **Conductivity:** Groundwater conductivities ranged from 234 (GW-12I) to 621 (GW-3I) microSiemens per centimeter (µS/cm).
- **Dissolved Oxygen:** Dissolved oxygen values ranged from 0.05 (GW-21D) to 9.72 (PW-1) mg/L.
- **Turbidity:** Groundwater turbidity ranged from less than 1 (multiple wells) to 98 (DNR-7) nephelometric turbidity units (NTUs).
- **ORP:** Groundwater ORP ranged from –215.2 (PW-1) to 140.2 (GW-16) milliVolts (mV).

The field parameters recorded during the June 2008 annual 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 the June 2008 annual 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 twenty-one of the forty-eight wells and all four active extraction wells (DNR-4D, DNR-6, DNR-7, GW-5I, GW-5D, GW-17D, GW-18, GW-19S, GW-20D, MW-2I, MW-3I, MW-103S, PW-1, PW-3, PW-4, PW-6, PW-9, RW-1, RW-1D, RW-2, and RW-5S) sampled in June 2008. VOCs that were detected, but did not exceed the Part 201 Criteria, MCLs, or the ROD TCLs, include carbon disulfide, chlorobenzene, chloroethane, chloromethane, 1,1-dichloroethane, 1,1-dichloroethene, ehtylbenzene, toluene, trans-1,2-dichloroethene, and total xylenes. 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 thirteen of the forty-eight monitoring wells and all four active extraction wells sampled during this monitoring event. The detected VC concentrations in groundwater samples ranged from 0.4 μg/L (DNR-6) to 100 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 September 2007 and June 2008 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	9/2007	12/2007	3/2008	6/2008
DNR-6	NS	NS	NS	**0.40**
DNR-7	**150**	**75**	**77**	**100**
GW-17D	**18**	**16**	**13**	**11**
GW-17I	**1.7**	**1.3**	< 1.0	< 1.0
GW-18	**26**	**21**	**18**	**18**
GW-19S	**1.0**	<1.0	<1.0	**0.63**
GW-20D	**21**	**15**	**16**	**18**
GW-5I	**90**	**74**	**56**	**63**
GW-5D	NS	NS	NS	**5.7**
MW-2I	NS	NS	NS	**11**
MW-3I	**22**	**20**	**18**	**25**
PW-1	**15**	**10**	**8.3**	**13**
PW-3	NS	NS	NS	<1.0
PW-4	**2.5**	**1.7**	**1.5**	<1.0
PW-6	**16**	**16**	**7.6**	**9.1**
PW-7	**81**	NS	NS	NS
PW-8	**4.4**	NS	NS	NS
RW-1D	<1.0	**1.6**	**1.7**	**1.1**
RW-5S	<1.0	<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 (i.e. VC has not been detected in any additional monitoring wells over the past three years other than the newly installed wells located in the reductive dechlorination pilot study area). 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-18, GW-19S, MW-3I, PW-1, PW-3, PW-4, PW-6 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. The VC concentrations at wells DNR-7, GW-20D, and RW-1D 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, chlorinated VOCs have not been detected at these off-Site wells.

3.3.2 TRICHLOROETHENE

Trichloroethene (TCE) was detected in groundwater samples collected from two of the forty-eight monitoring wells sampled in June 2008. The detected concentrations were 120 μg/L at well RW-1D and 1.2µg/L at well RW-1. TCE and VC iso-concentration contours are shown in Figure 4.

The TCE concentrations reported in June 2008 were generally consistent with those observed in recent sampling events with the exception that TCE was not detected at RW-5S. 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 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 CIS-1,2-DICHLOROETHENE

Concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater samples collected from six of the forty-eight monitoring wells and two of the four active extraction wells sampled in June 2008. The cis-1,2-DCE concentrations ranged from 1.2 μg/L at well MW-3I to

110 μg/L at well DNR-7. The wells where cis-1,2-DCE was detected, and the reported concentrations, are provided in the table below. Cis-1,2-DCE is typically observed in the north central portion of the Site.

2004 Federal Drinking Water MCL for cis-1,2-DCE	Part 201Residential Drinking Water Criteria
70	70

Sample Location	cis-1,2-DCE (μg/L) June 2008
DNR-7	**110**
MW-3I	**1.2**
GW-5D	**58**
MW-103S	**2.2**
PW-1	**32**
PW-6	**11**
RW-1	**3.3**
RW-1D	**22**

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

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. Over the last several sampling events the cis-1,2-DCE concentrations, where detected, have remained generally stable with a few exceptions. A decreasing concentration trend is evident in the recent data from MW-103S. Previously a strong decreasing trend had been apparent at well DNR-7, located near the center of the Site, however, the concentration has rebounded to levels similar to concentration measured in September 2007. A slight increasing trend is evident in wells PW-1, and PW-6 since June 2004.

3.3.4 BENZENE

Benzene was detected in groundwater samples collected from three of the forty-eight monitoring wells sampled in June 2008. The detected concentrations were 5.5 μg/L at well MW-2I, 2.6 μg/L at PW-4, and 1.0 μg/L at well RW-1. Benzene is sporadically observed in the central portion of the Site. An iso-concentration map for benzene was not prepared.

3.3.5 BIOGEOCHEMICAL DATA

Thirty-one of the fifty-two groundwater samples collected in June 2008 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 twenty-eight of the thirty-one wells. Additional biogeochemical parameters were collected in the field from all fifty-two 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 June 2008 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 0.05 (GW-21D) to 9.72 (PW-1) mg/L (see Section 3.2).

ORP: Groundwater ORP ranged from –215.2 (PW-1) to 140.2 (GW-16) milliVolts (mV) (see Section 3.2).

Laboratory Results

Methane: Methane was detected in all thirty-one wells sampled, at concentrations ranging from 0.51 (GW-24D) to 590 μg/L (GW-26D).

Ethane: Ethane was not detected in any of the thirty wells sampled.

Ethene: Ethene was detected in thirteen of the thirty-one wells sampled at concentrations of 0.38 μg/L (GW-18) and 12 μg/L (DNR-7).

Nitrate/Nitrite: Nitrate was detected in seven of the thirty-one wells sampled at concentrations ranging from 0.013 mg/L at GW-20D to 0.016 mg/L at GW-20I. Nitrite was not detected in any well sampled.

Sulfate: Sulfate was detected in twenty-seven of the thirty-one wells sampled, at concentrations ranging from 2.5 (GW-21D) to 26 mg/L (GW-23I).

Ammonia: Ammonia was detected in twenty-seven of the thirty-one wells sampled at concentrations ranging from 0.052 mg/L (DNR-7) to 0.25 mg/L (DNR-1).

Chloride: Chloride concentrations ranged from 1.7 mg/L (DNR-1) to 7.7 mg/L (GW-20I).

Total Alkalinity: Total alkalinity concentrations ranged from 230 mg/L (GW-26D) to 370 mg/L (GW-5D).

Total Organic Carbon: Total organic carbon content ranged from below the reporting limit of 1.1 mg/L (Multiple wells) to 3.8 mg/L (GW-26D).

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. Elevated concentrations of methane in DNR-7, GW-26D, and RW-1D suggest that methanogenisis (anaerobic degradation) may be occurring at these locations. The overall low values for DO and ORP are also indicative of anaerobic conditions.

3.4 QA/QC RESULTS

Analytical results for the QA/QC samples collected during the June 2008 sampling event are summarized below. Complete laboratory analytical reports including QA/QC sample results are provided in Appendix B.

Field Blanks

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

Equipment Blanks

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

Duplicate Samples

Duplicate samples (DNR-5, GW-19S, GW-20D, GW-26D, RW-1D, and RW-2) were reviewed for field precision within 50% relative percent difference (RPD). All duplicate samples were well within the 50% RPD.

Laboratory Method Blanks

No samples were qualified based on any laboratory method blank.

Laboratory Control Samples

The laboratory control sample/laboratory control sample duplicate exceeded the upper control limit for bromomethane for batch 0806447. Therefore, positive results for the analyte in this batch are considered estimated. Because bromomethane has not been detected in any samples collected from the sampled monitoring wells no data was affected. The laboratory control sample/laboratory control sample duplicate exceeded the upper control limit for bromomethane for batch 0806383. Therefore, positive results for the analyte in this batch are considered estimated. Because bromomethane has not been detected in any samples collected from the sampled monitoring wells no data was affected.

MS/MSDs

The matrix spike/matrix spike duplicate (MS/MSD) recoveries exceeded the upper control limit for bromomethane from GW-5I. The non-spiked sample result was non-detect and so is not considered estimated. The matrix spike/matrix spike duplicate (MS/MSD) recoveries exceeded the upper control limit for bromomethane from MW-109D. The non-spiked sample result was non-detect and so is not considered estimated. The non-spiked sample result was non-detect and so is not considered estimated. The MS and/or the MSD recovery for alkalinity was outside the control limits for this sample. The unspiked sample result is considered estimated.

Holding Times

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

4.0 SUMMARY OF JUNE 2008 GROUNDWATER MONITORING EVENT

Water levels were collected from a total of one hundred and twenty-six groundwater monitoring wells and two active and four inactive extraction wells on June 13, 2008. Purging and sampling activities were performed on forty-eight on-Site and off-Site monitoring wells and four active extraction wells between June 16 and 24, 2008 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 June 2008, groundwater elevations increased an average of 0.84 feet from the last monitoring event in March 2008. 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 increase in cis-1,2-dichloroethene in PW-1.

5.0 GROUNDWATER EXTRACTION AND TREATMENT SYSTEM PERFORMANCE

The groundwater extraction and treatment system consists of four extraction wells and an air stripping system that is designed to remove VOCs from groundwater. The current active extraction wells as of June 2008 are PW-1, PW-3, PW-4, and PW-6 (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 April 1, 2008 through June 30, 2008. Influent and effluent samples were collected weekly when the system was operational and quarterly during the reporting period, in accordance with the MDEQ Substantive Requirements Document (SRD) No. MIU990014. Weekly samples were analyzed in the effluent and influent for vinyl chloride and 1,2-dichloroethene (1,2-DCE). Weekly effluent samples were also analyzed for arsenic, bis-2-ethyl-hexyl-phthalate, and lead. In addition, one effluent sample per month was analyzed for pentachlorophenol. Quarterly samples were collected on, April 7, 2008, and analyzed for the following parameters in addition to those identified above: influent and effluent polychlorinated biphenyls (PCBs), benzene, and toluene; and effluent chlorobenzene, methylene chloride, 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), isophorone, and naphthalene. Based on the latest effluent analytical results the treatment system is in compliance with Section A.1 of the SRD. Earth Tech will continue to monitor the effluent analytical data for compliance.

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 (April 1, 2008 through June 30, 2008). The air emission rates for the air stripper system ranged from 0.0038 to 0.0084 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

Groundwater pumping wells PW-1, PW-4, PW-6, PW-7, and PW-8 were cleaned and/or evaluated June 16 through July 1, 2008. During the well cleaning and evaluation, select wells were temporarily off-line while being cleaned and/or evaluated. With the exception of PW-4, no well was off-line for more than a period of 24 hours during the cleaning and evaluation period.

5.3 SYSTEM OPERATIONS

The system has removed through June 30, 2008 an estimated 542.75 lbs of VOCs from the groundwater since start-up of the groundwater collection and treatment system on February 10, 1996. This quarter, the groundwater treatment system removed 15.32 lbs of VOCs (2.82% of cumulative total removal). This corresponds to an average VOC removal rate of 0.0070 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 April 1, 2008 through June 30, 2008. The following problems were encountered during this reporting period, which caused down time for the extraction wells:

- Upon arrival at the Site on June 9, 2008, the groundwater treatment system was found to be shut down due to a power outage. The situation went unnoticed because the system alarm signal could not be sent with the system powered down. Power was restored on June 10, 2008 and the system was restarted. PW-4 had difficulty restarting on June 10, 2008. Pumping from PW-4 resumed on June 11, 2008. The system continued pumping at normal rates and operating within normal parameters. The system was estimated to be off for approximately 2-3 days.
- The groundwater treatment system was found to be shut down upon arrival at the Site on June 16, 2008. The shut down was likely due to a power outage. As the previous occasion, the system alarm signal could not be sent with the system powered down. The system was restarted and resumed pumping at normal rates and operating within normal parameters. The system was estimated to be off for approximately 2 days.
- Upon arrival at the Site on June 30, 2008, the groundwater treatment system was found to be shut down. The system PLC indicated that the system had shut down due to a fault on PW-8. Although water was not being pumped from PW-8 at the time of shut down, a small amount of water was pumped from PW-8 during the previous week of well cleaning. It is possible that the valves on PW-8 were turned off but did not properly seal following the cleaning, causing the alarm. Valves on PW-8 were checked and tightened. The system was restarted and continued pumping at normal rates and operating within normal parameters. The system was estimated to be off for approximately 2 days.

The groundwater pump and treat system operated 91.8% 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. Earth Tech will continue to track changes in contaminant concentrations in the wells and attempt to correlate this data with system operation.

6.0 ANNUAL SUMMARY

Over the past year the TCE and VC plume outlines have remained generally unchanged. No TCE or VC has been detected in the downgradient, off-Site, monitoring wells. VC concentrations at the northeast property boundary have decreased (GW-19S) or are generally stable (GW-20D). Within the plume extents the TCE and VC concentrations have generally remained stable or slightly decreased.

Consistent with historical groundwater monitoring well data, the maximum TCE concentrations occur in upgradient well, RW-1D; however, based on VOC concentrations observed in shallow groundwater samples collected (from temporary wells) during the 2006 hot spot investigation and from new permanent monitoring wells installed during the 2007 hot spot investigation, the highest TCE (and VC) concentrations likely exist further south, closer to monitoring well RW-4.

The maximum VC concentrations are observed downgradient in DNR-7 and GW-5I. These observations are consistent with the anaerobic nature of the aquifer and the associated breakdown of TCE to VC. The rate of conversion from TCE to VC will likely remain constant until additional substrate is introduced into the aquifer to enhance the dechlorination process. The additional investigation activities that are currently underway in the vicinity of wells RW-1D and RW-4 include an in-situ pilot study within the identified source areas (based on the additional investigation activities). The pilot study will provide information regarding the potential enhancement of the reduction of TCE through VC and eventually to ethene.

7.0 PLANNED PROJECT ACTIVITIES

The next two quarterly groundwater sampling events are planned to take place in September and December 2008. The in-situ pilot study test started during January 2008 and is currently on-going. The next cleaning for the air stripper tower is scheduled for September 2008.

Figures

FIGURE 7
DNR-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

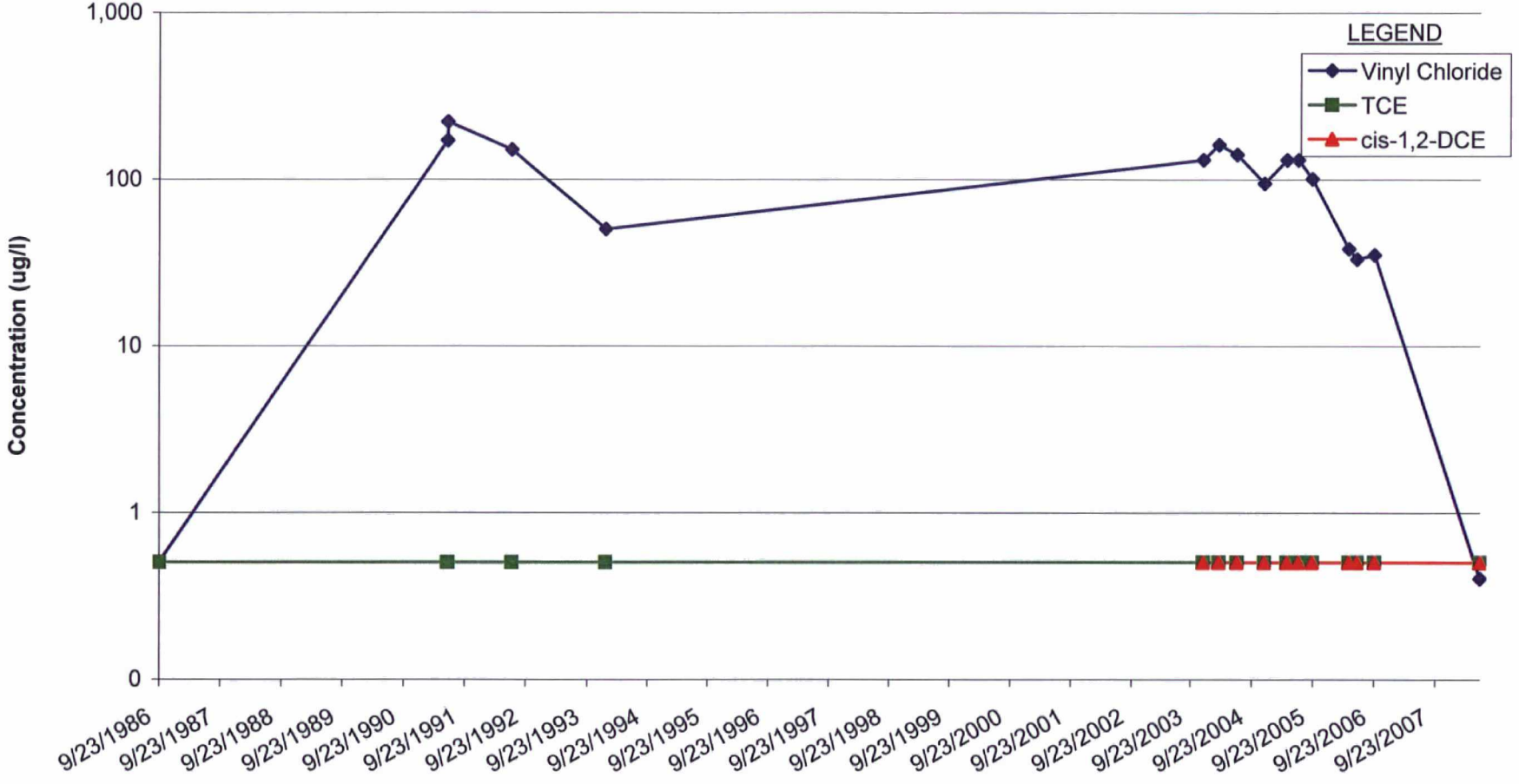


FIGURE 8
DNR-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

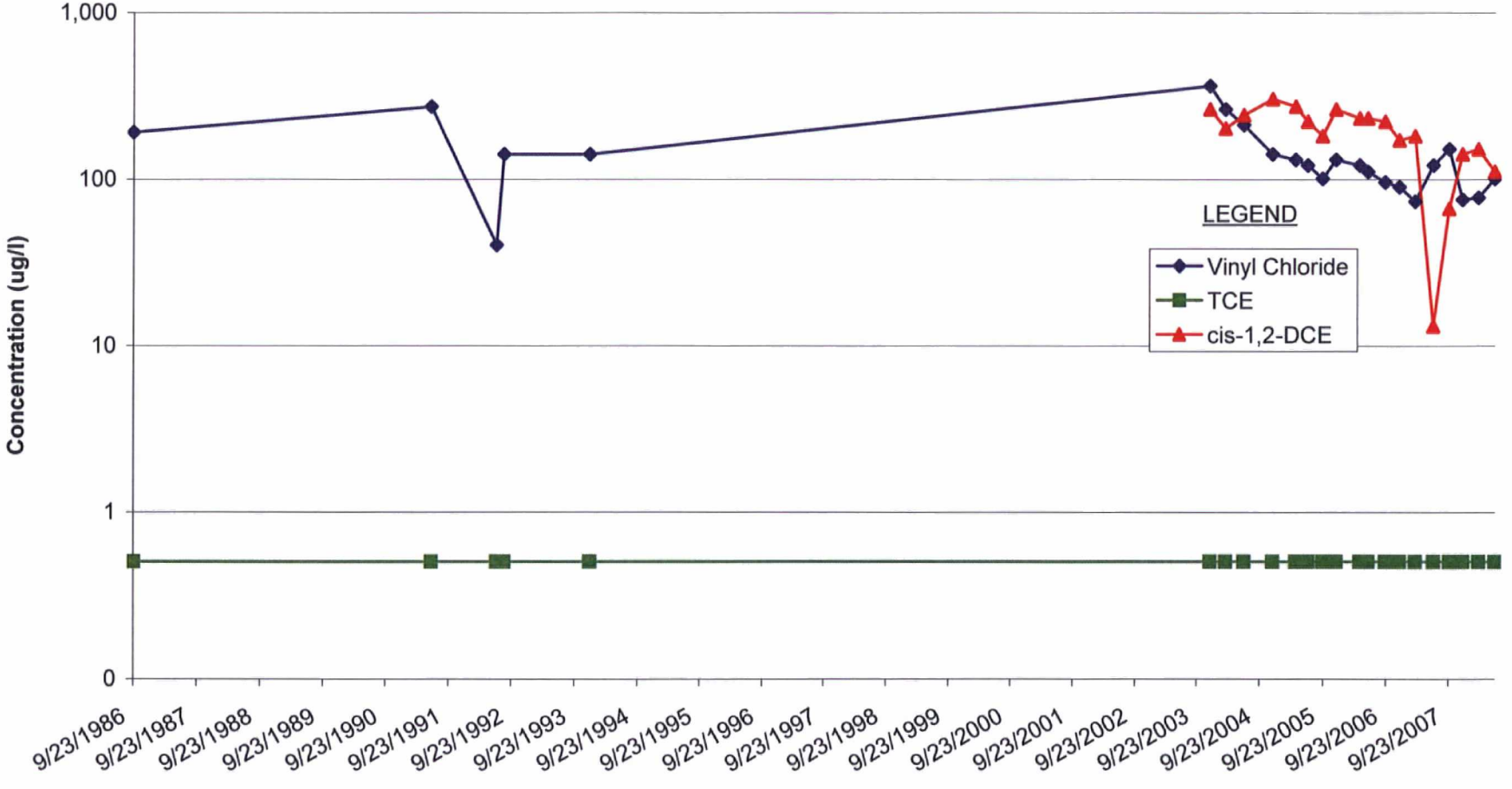


FIGURE 9
GW-5I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

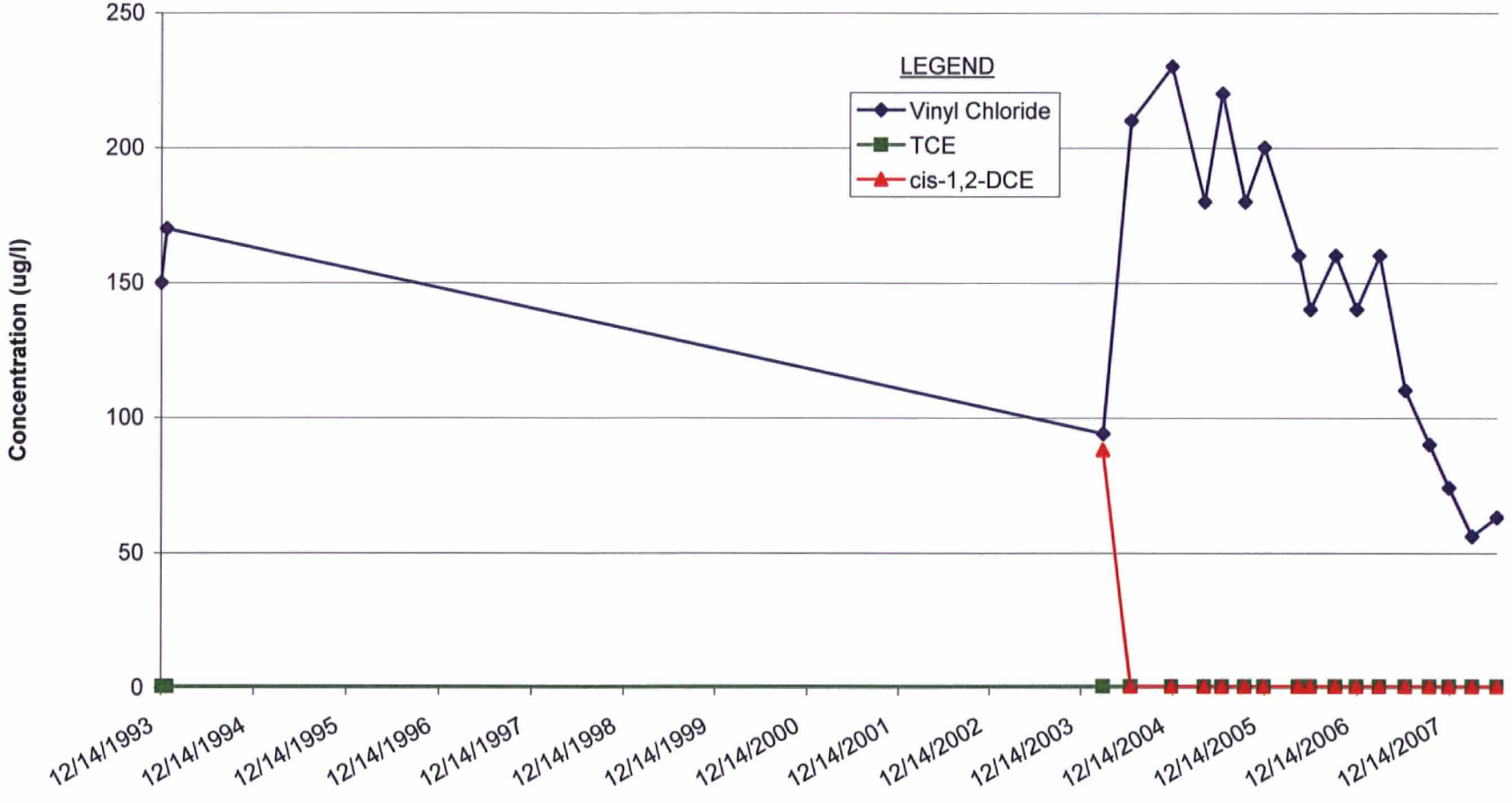


FIGURE 10
GW-5D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

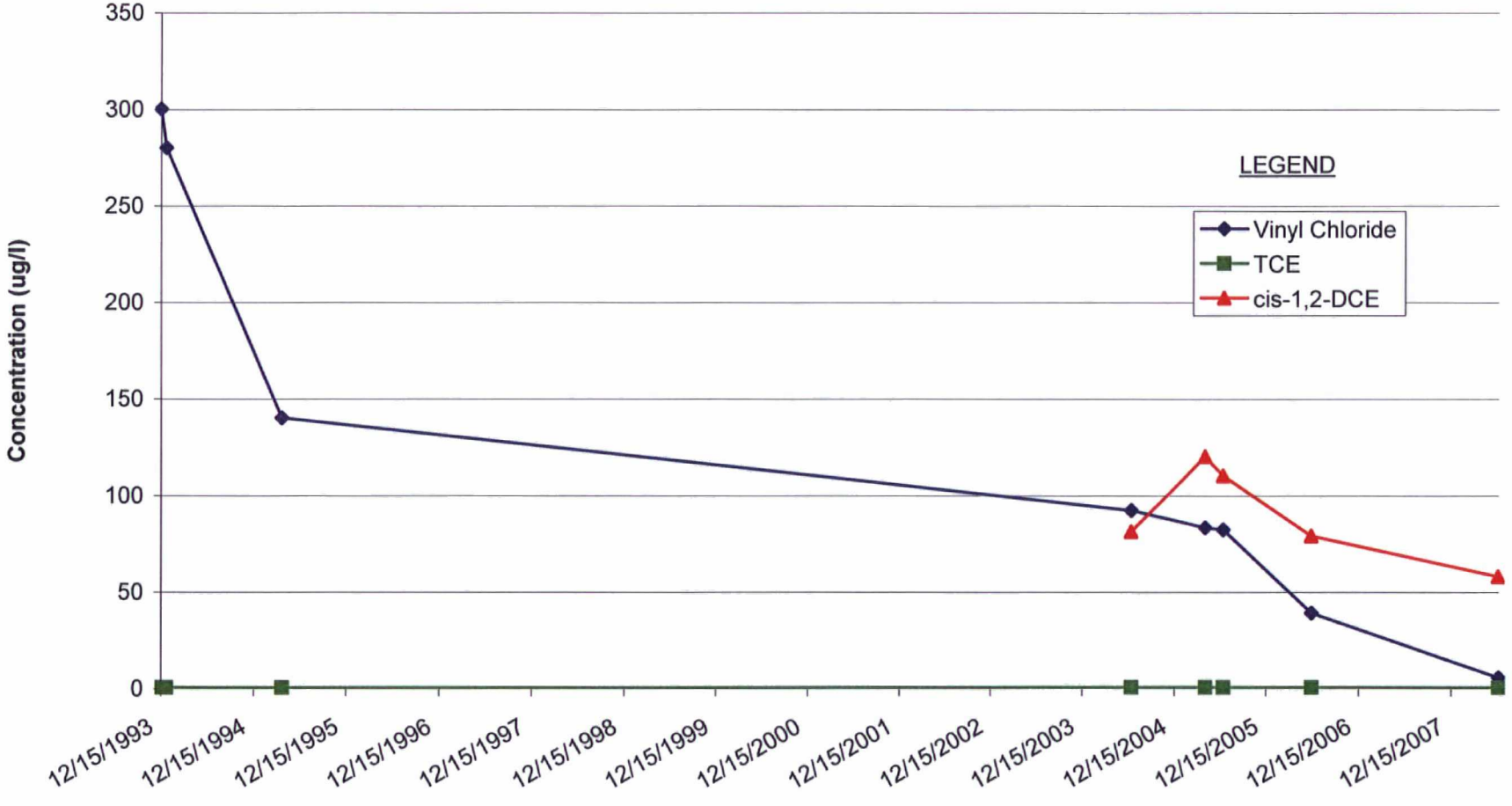


FIGURE 11
GW-6D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

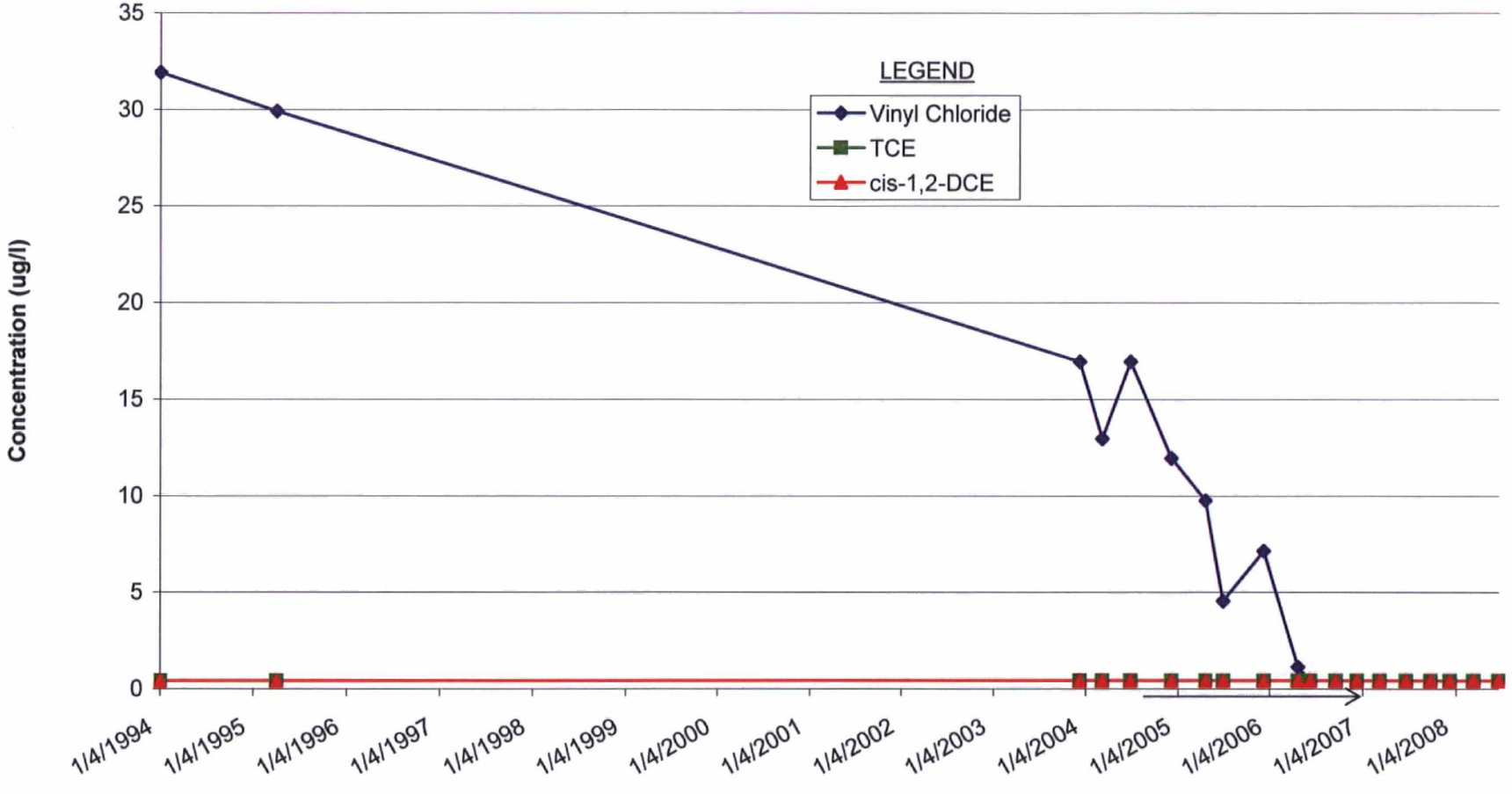


FIGURE 12
GW-17I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 13
GW-17D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

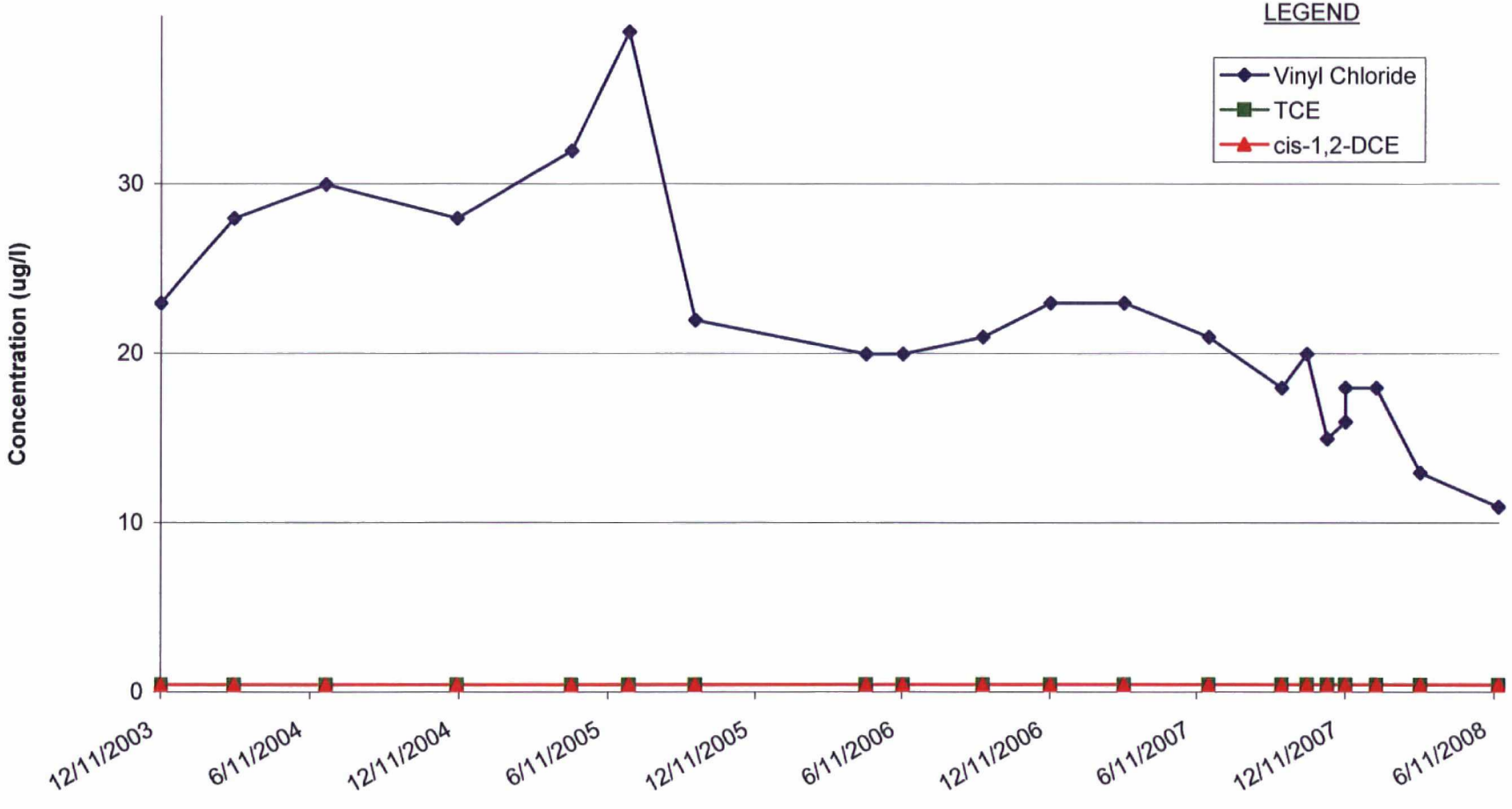


FIGURE 14
GW-18
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annualy Monitoring Event
Rose Township Site
Holly, Michigan

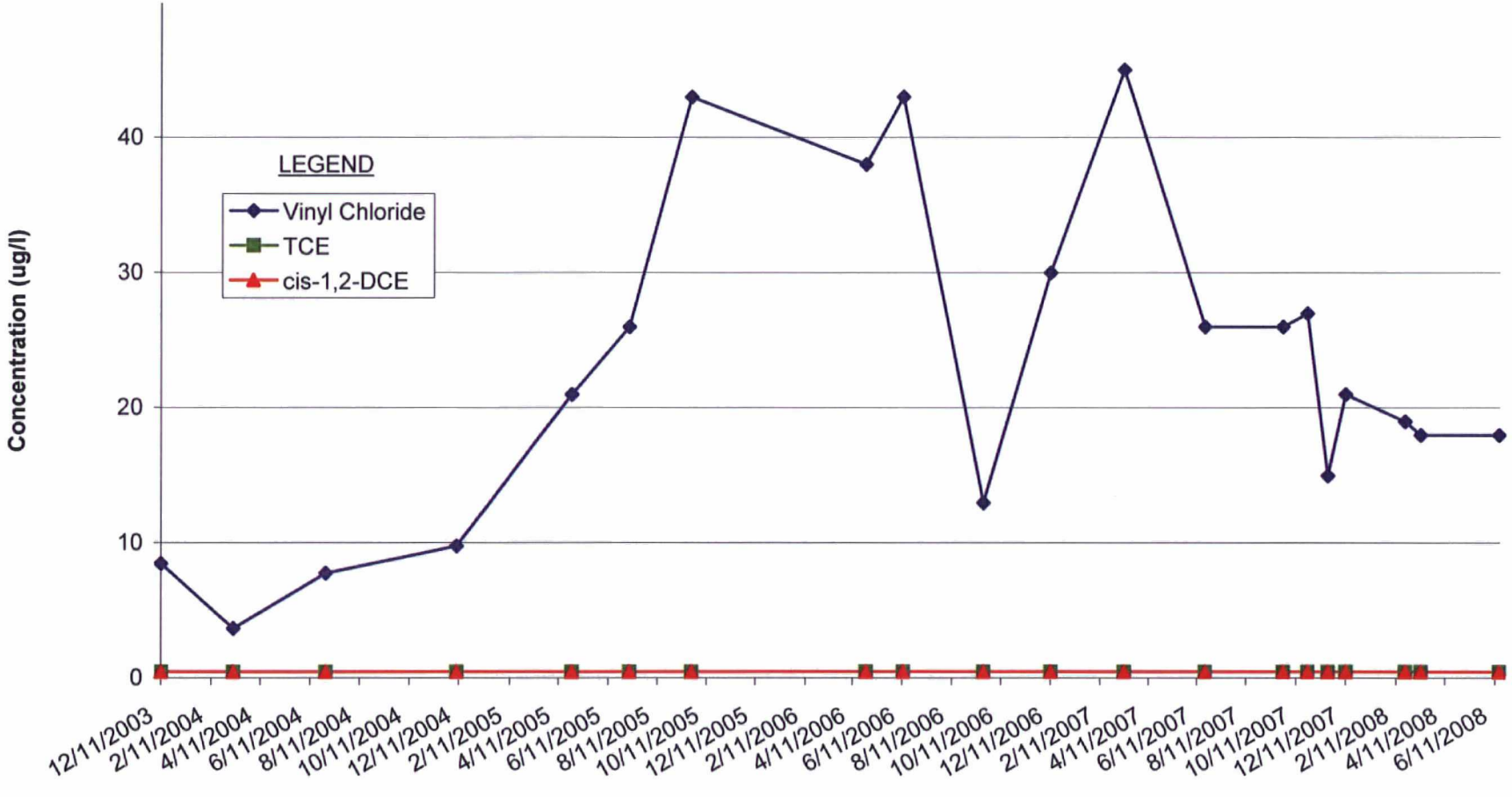


FIGURE 15
GW-19S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

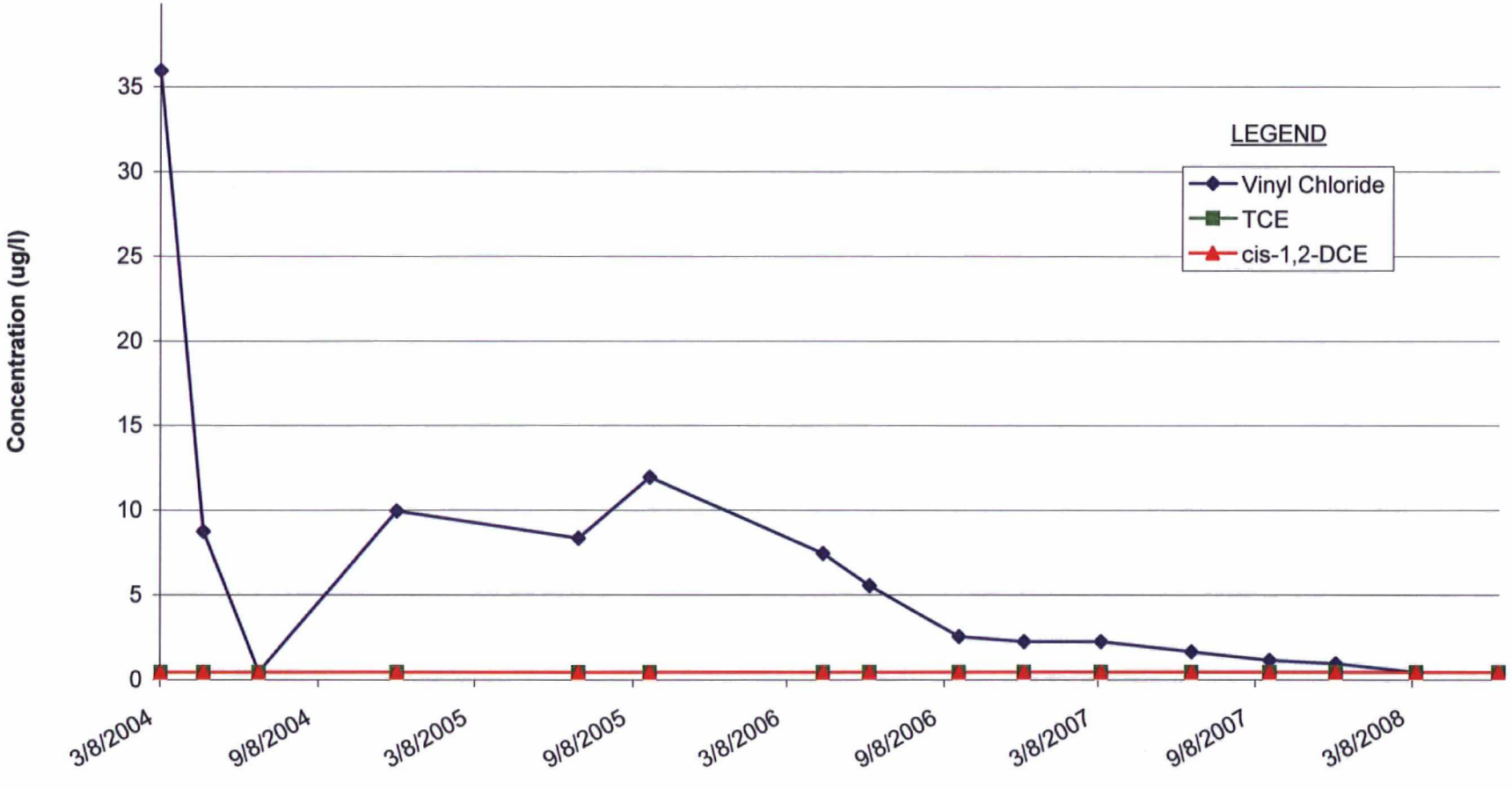


FIGURE 16
GW-20D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

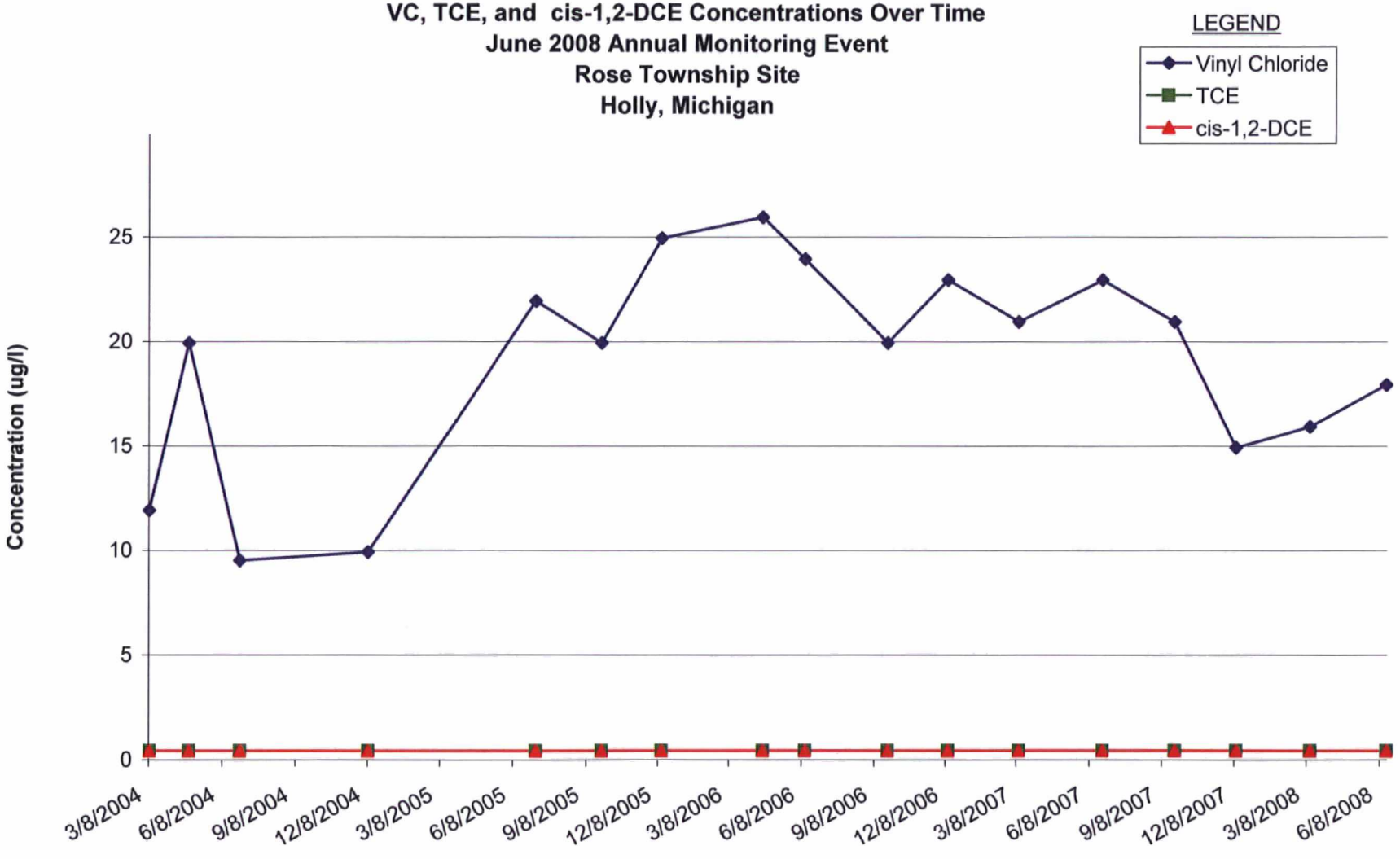


FIGURE 17
MW-2I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

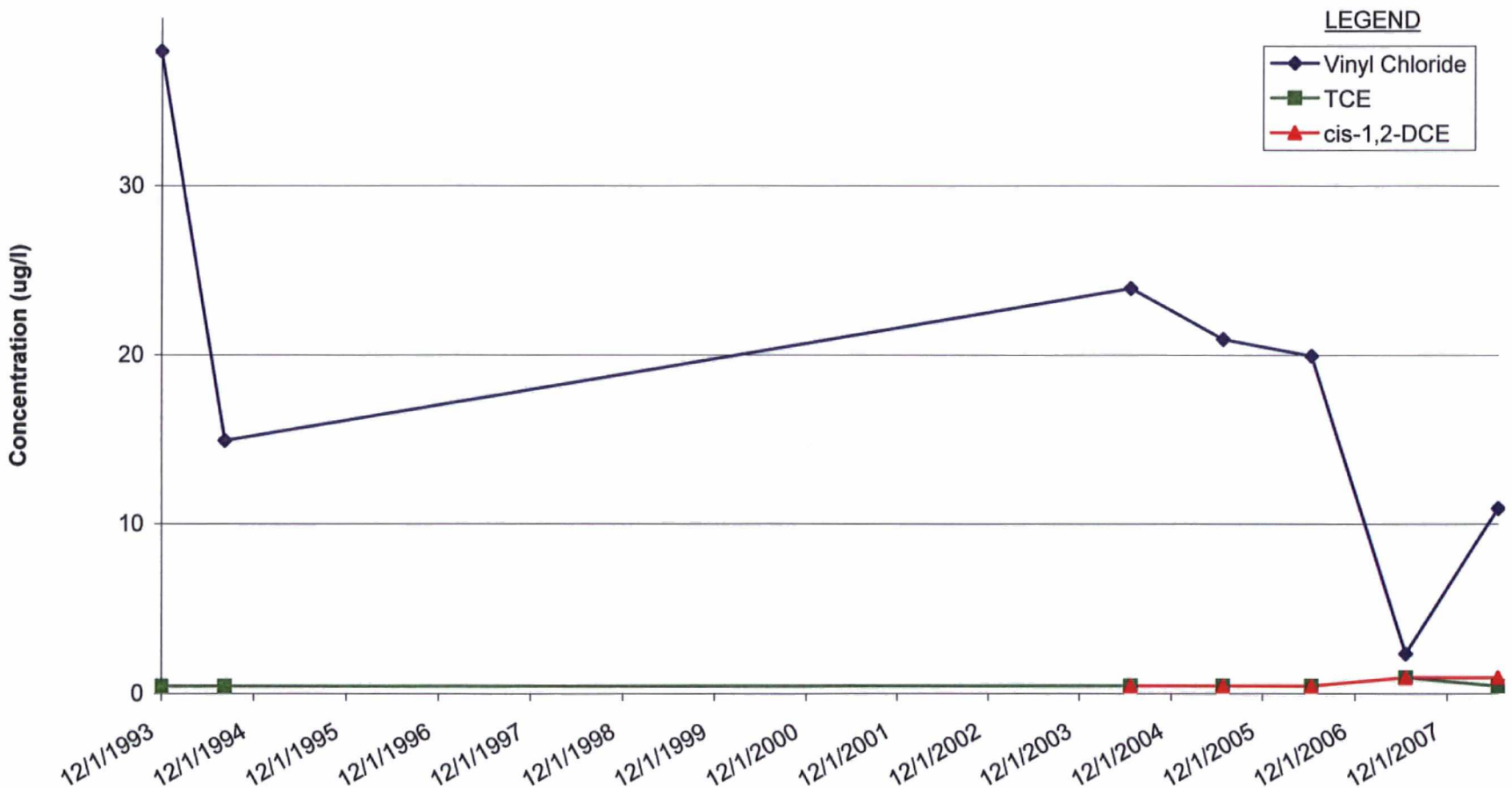


FIGURE 18
MW-3I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

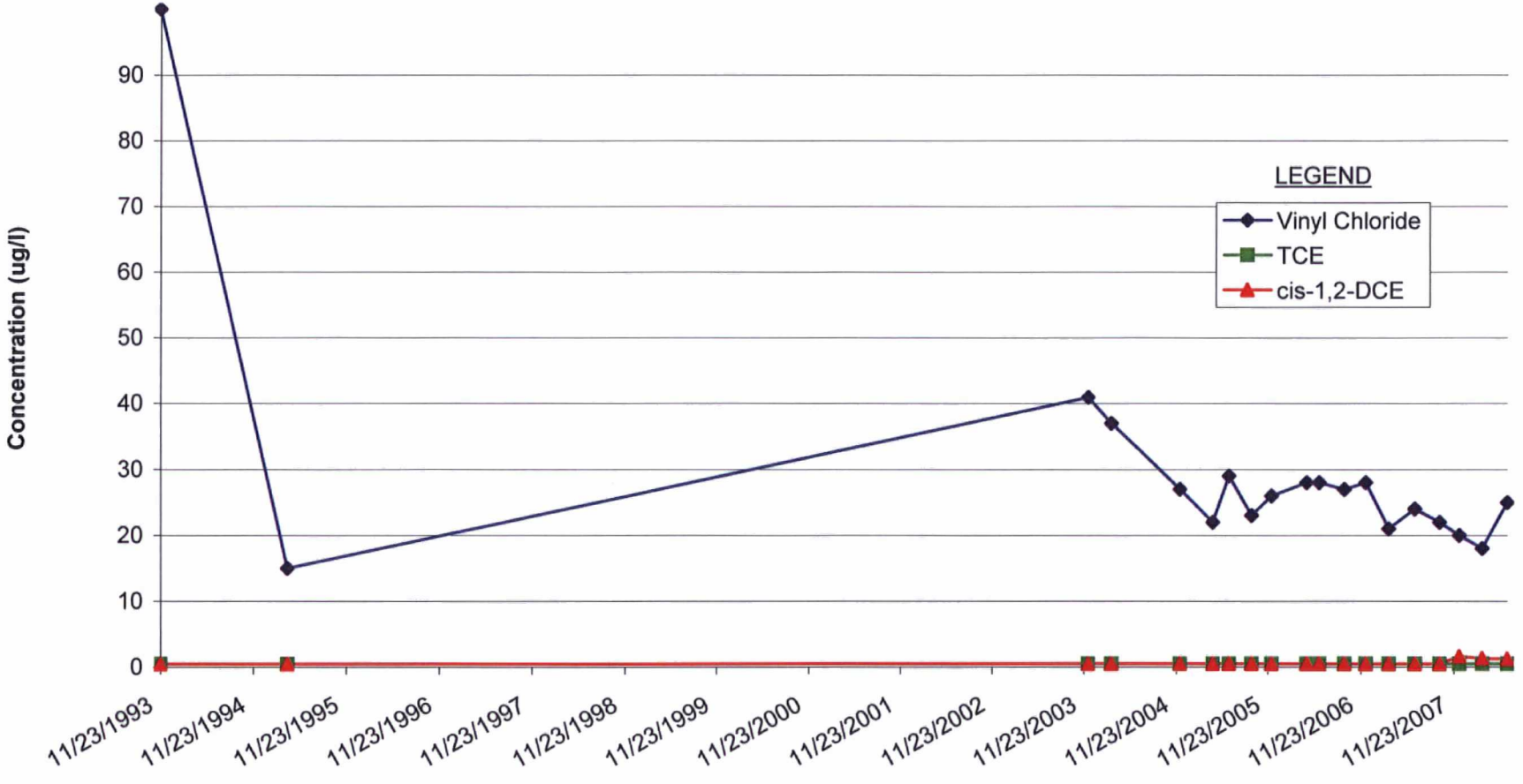


FIGURE 19
MW-103S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

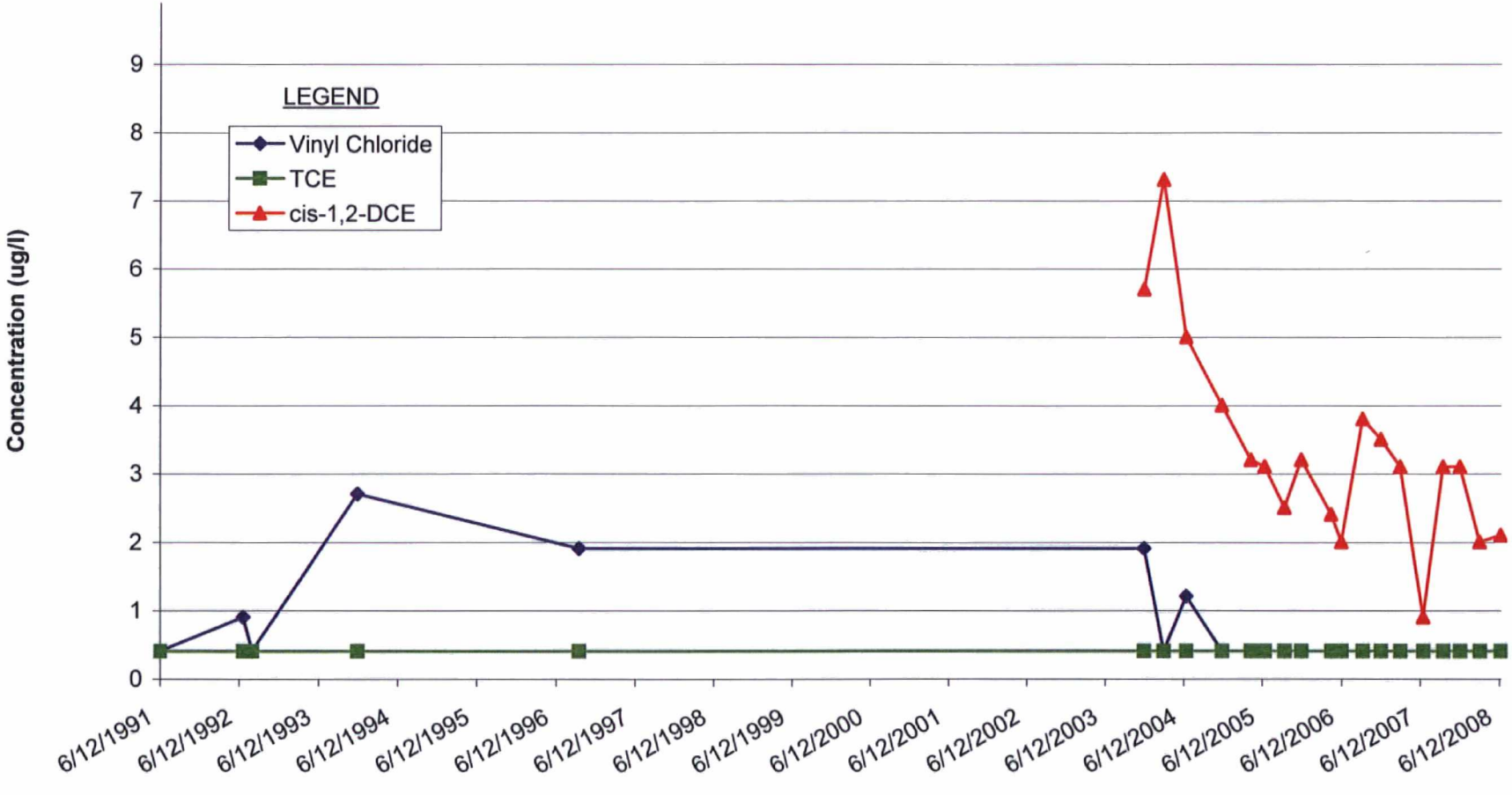


FIGURE 20
RW-1D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

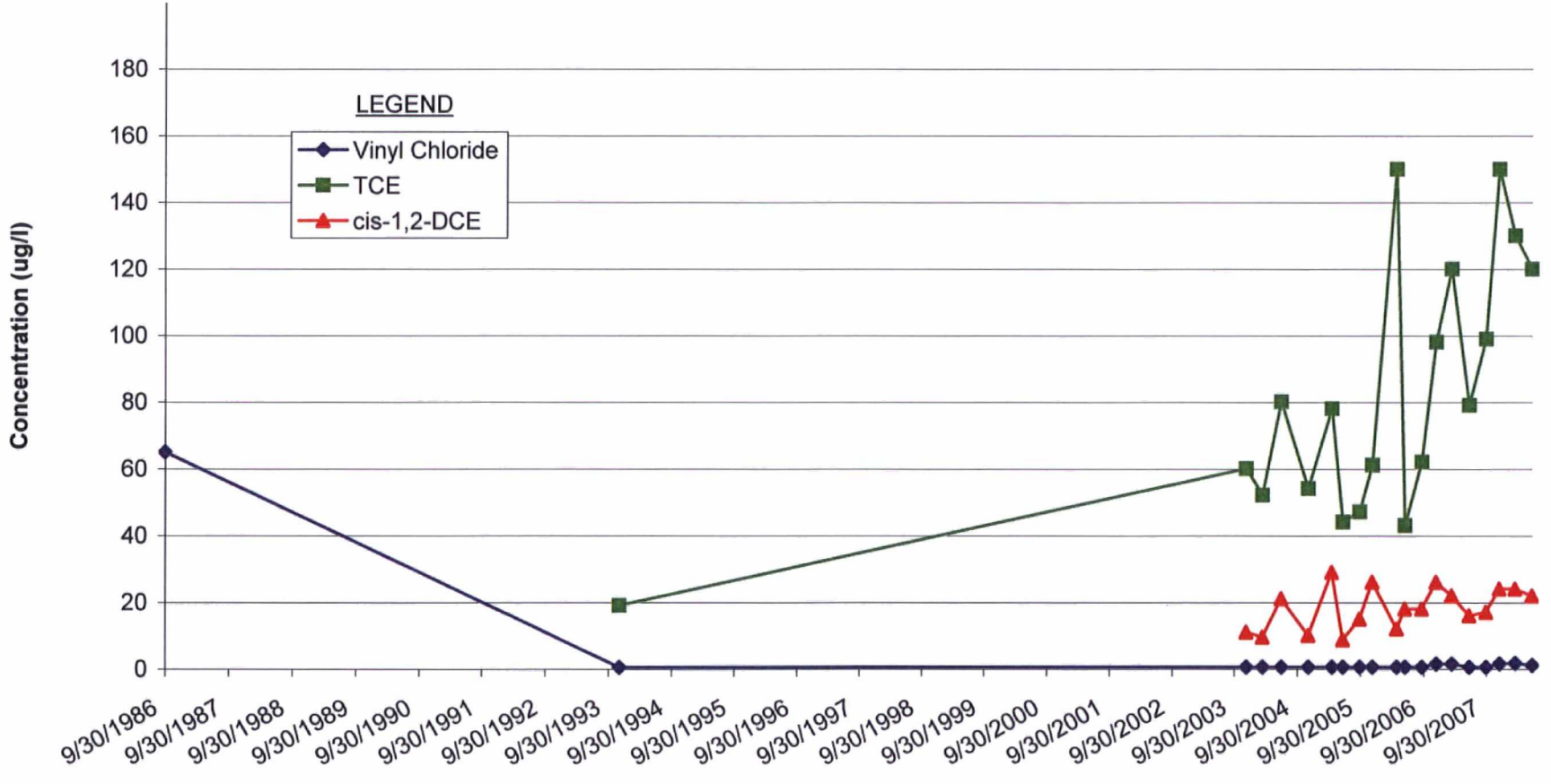


FIGURE 21
RW-5S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

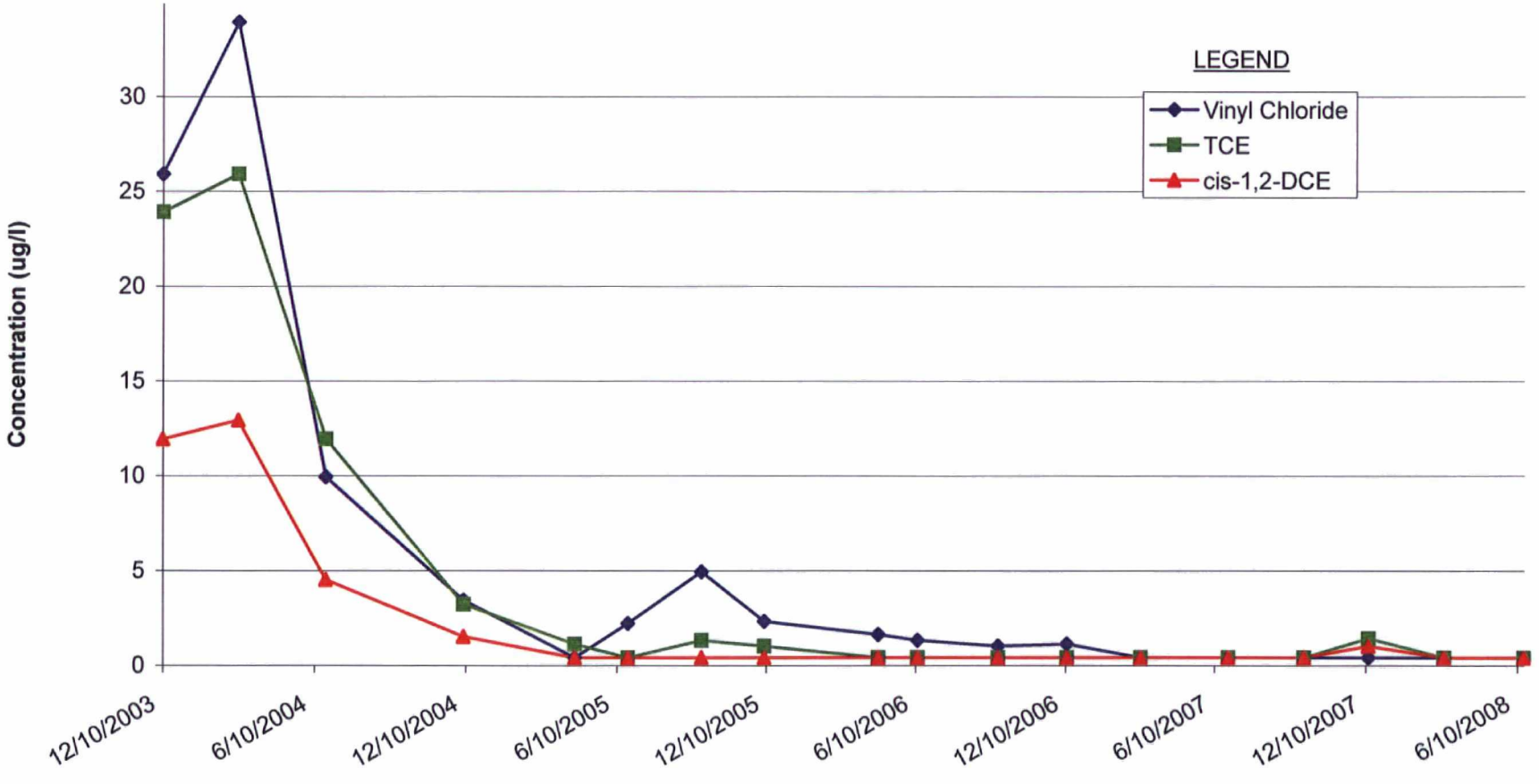


FIGURE 22
PW-1
VC, TCE and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

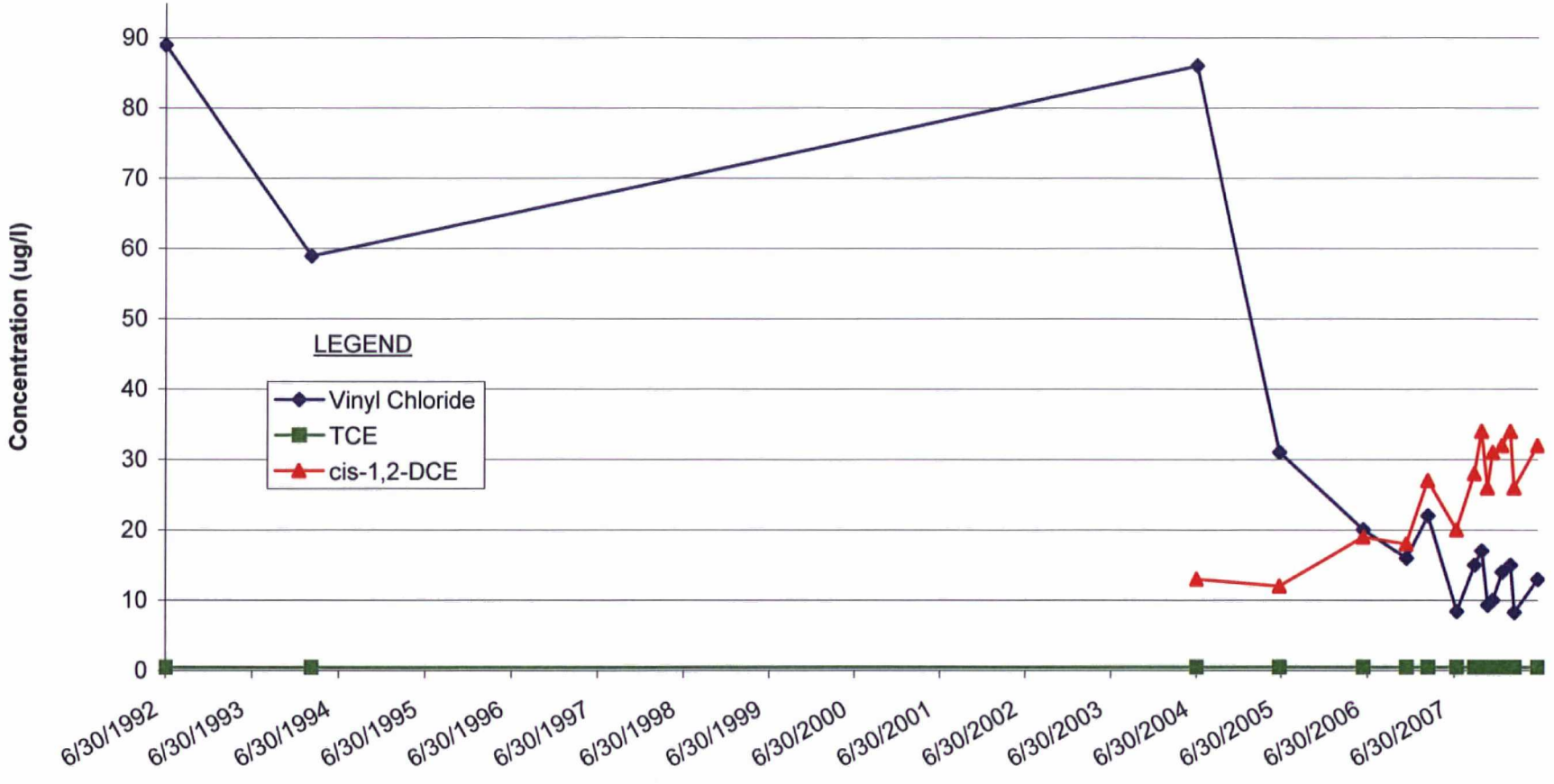


FIGURE 23
PW-3
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

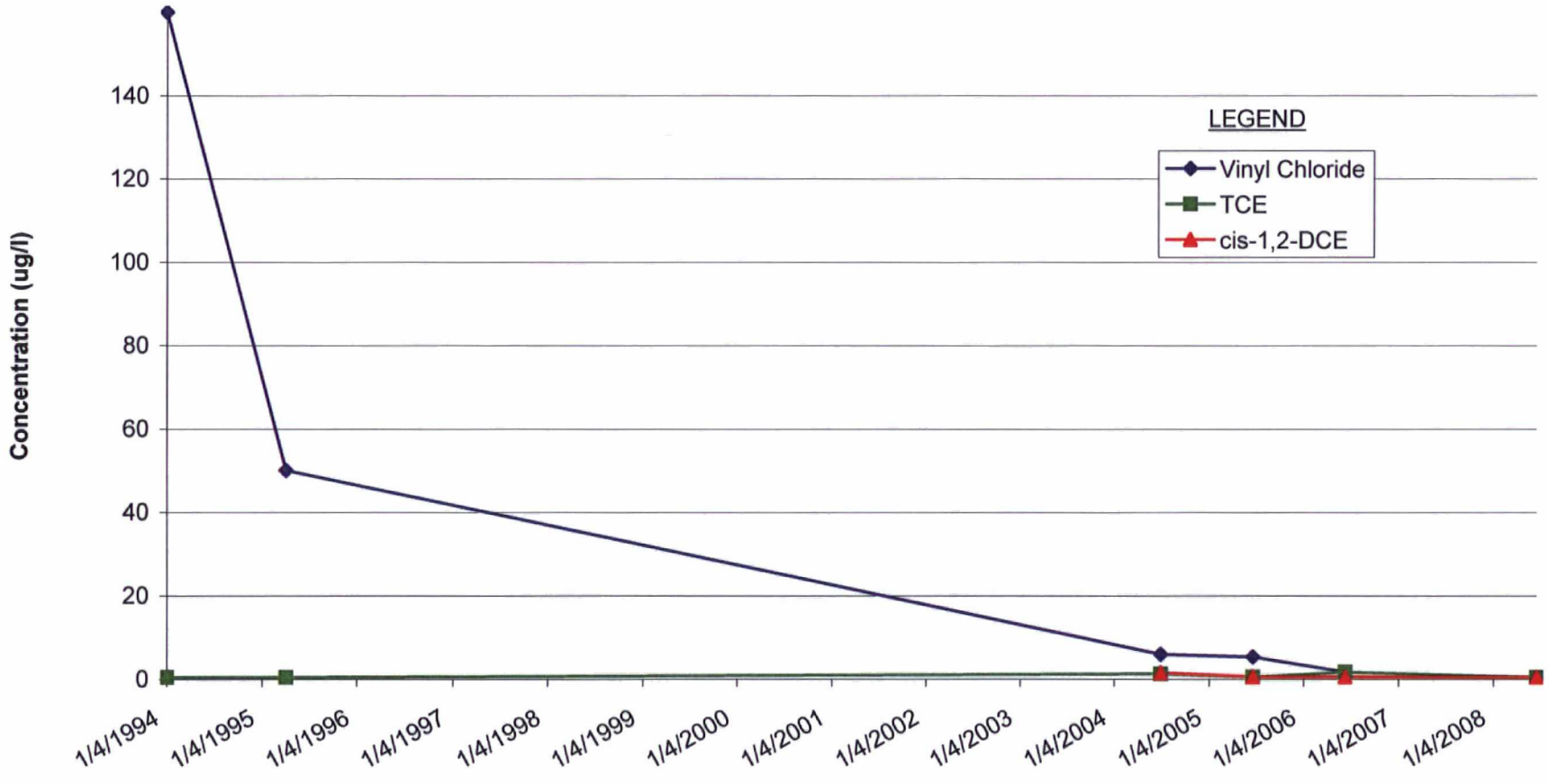


FIGURE 24
PW-4
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 AnnualMonitoring Event
Rose Township Site
Holly, Michigan

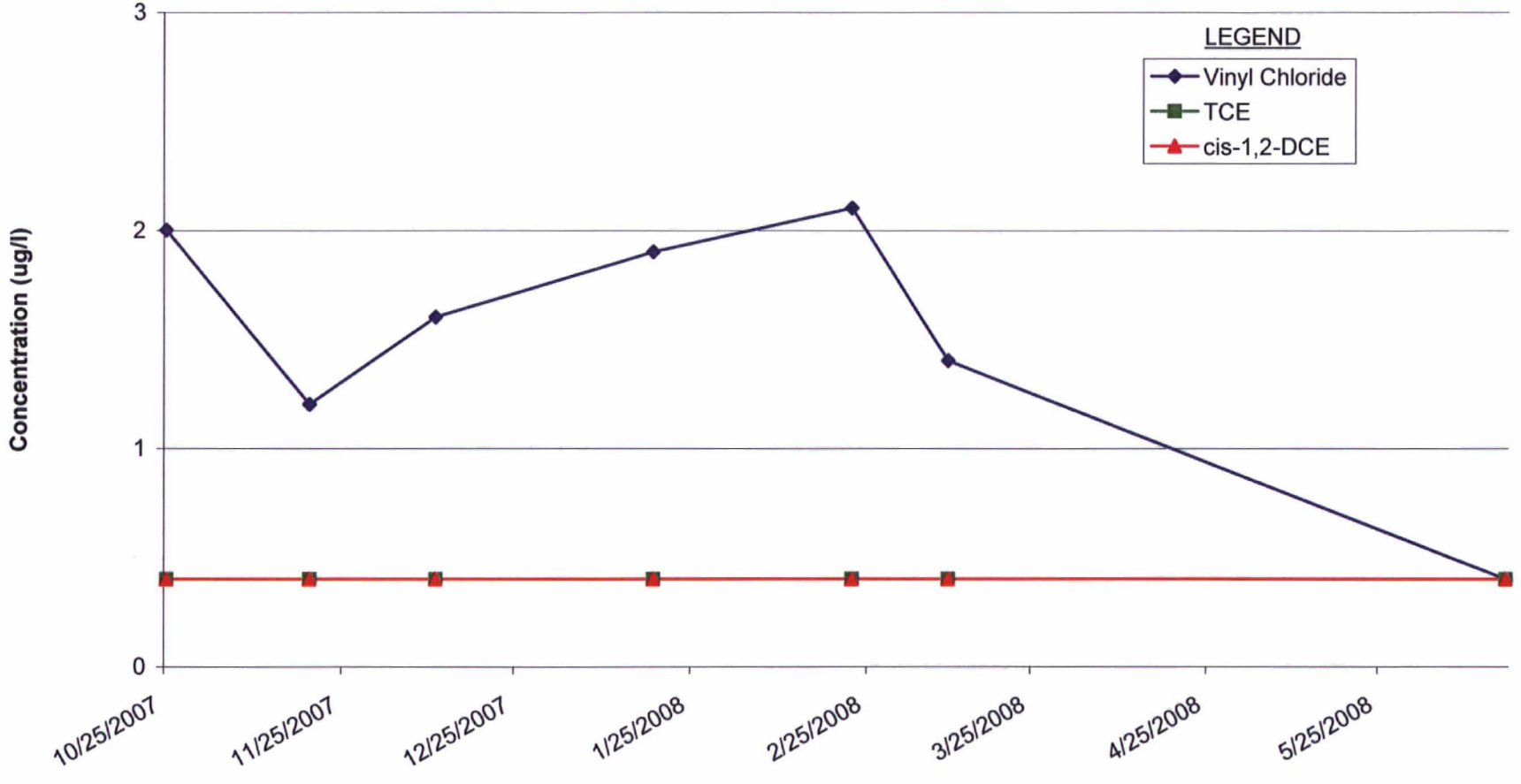


FIGURE 25
PW-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

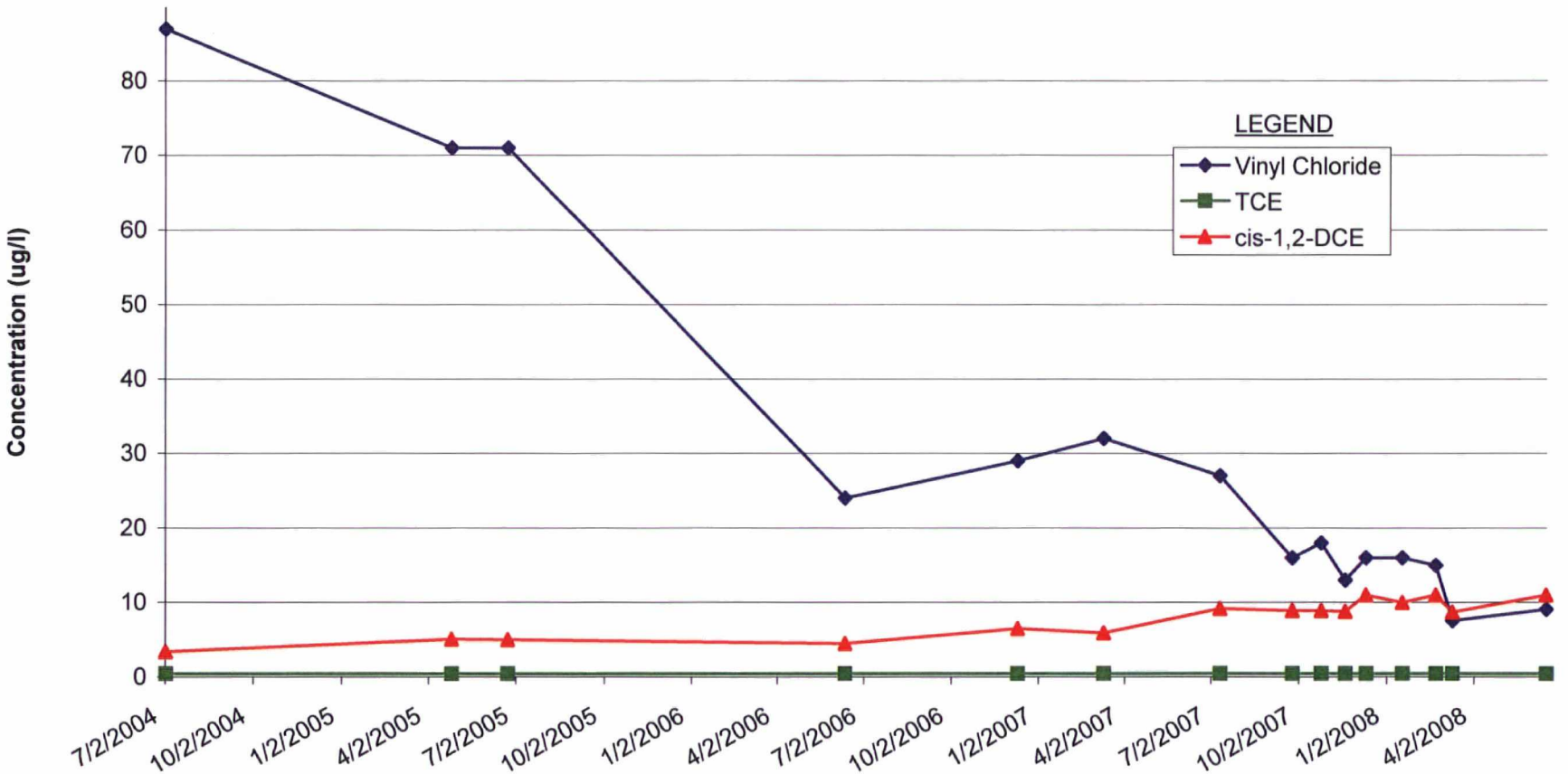
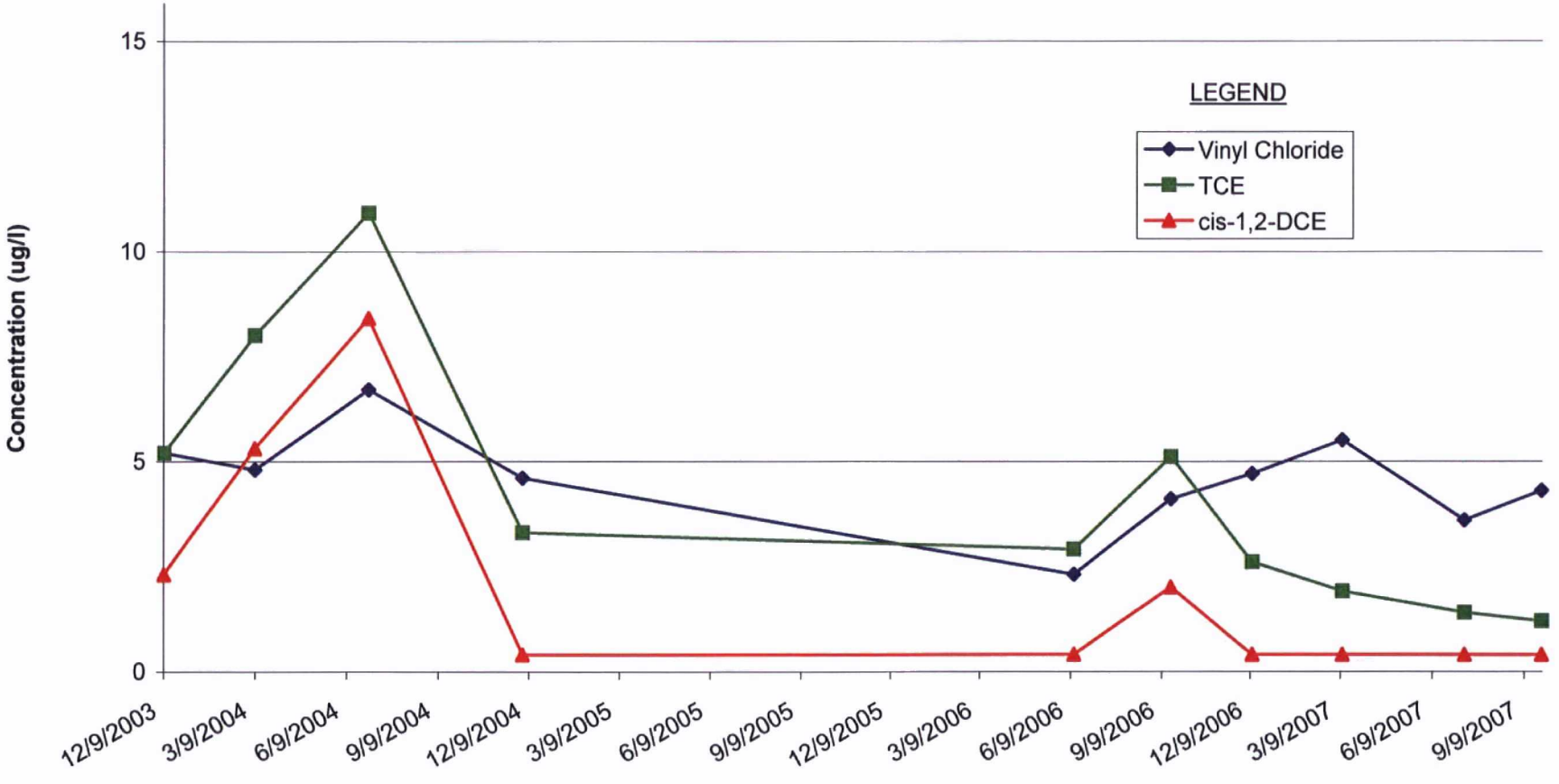
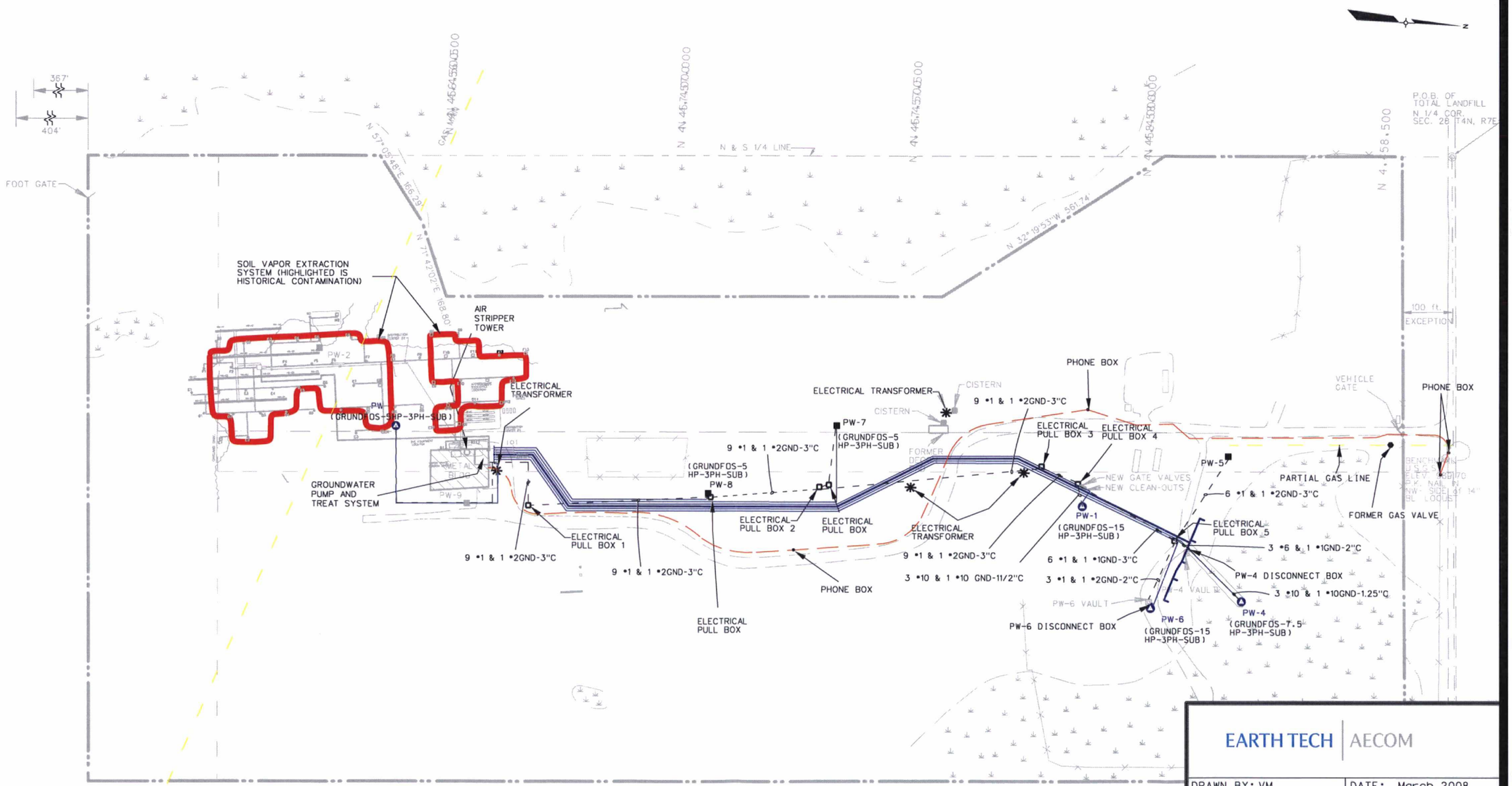


FIGURE 27
PW-8
VC, TCE, and cis-1,2-DCE Concentrations Over Time
June 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan





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

EARTH TECH | AECOM

DRAWN BY: VM	DATE: March 2008
CHECKED BY:	EDITED BY: BJE
FILE NAME: 102777_Q2_2008_Fig28.dwg	

FIGURE 28

SVE AND GROUNDWATER SYSTEMS LOCATION MAP

ROSE TOWNSHIP
HOLLY, MICHIGAN

PROJECT NUMBER 102777	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 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	June-08: Water Level Measurement (ft ATOC)	June-08: Head Elevation (ft AMSL)
DNR-1	444677.19	13319929.47	1000.65	1004.00	51.0	53.0	2.0	953.0	951.0	53.0	951.0	Yes	0.78	1001.43
DNR-2	444939.57	13319748.06	997.33	1000.60	93.0	95.0	2.0	907.6	905.6	95.0	905.6	Yes	NM	
DNR-3	445688.24	13320139.49	996.92	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	978.70	48.0	53.0	5.0	930.7	925.7	53.0	925.7	Yes	13.37	994.57
DNR-4I	447532.60	13320802.39	981.33	979.33	79.0	84.0	5.0	900.3	895.3	84.0	895.3	Yes	13.53	994.86
DNR-4D	447539.01	13320810.89	978.50	979.10	116.0	118.0	2.0	863.1	861.1	118.0	861.1	Yes	5.24	983.74
DNR-5	446988.03	13320380.71	998.14	1001.70	97.0	99.0	2.0	904.7	902.7	99.0	902.7	Yes	-2.21	995.93
DNR-6	446826.83	13320695.53	996.58	992.56	68.0	70.0	2.0	924.6	922.6	70.0	922.6	Yes	-28.98	967.60
DNR-7	446708.57	13320500.96	1031.85	1032.20	79.0	81.0	2.0	953.2	951.2	81.0	951.2	No	-36.05	995.80
GW-1S	447405.64	13320473.72	980.33	977.70	NA	NA	NA	NA	NA	NA	NA	Yes	NM	
GW-1I	447402.39	13320468.56	979.91	976.91	91.0	96.0	5.0	885.9	880.9	96.0	880.9	Yes	14.64	994.55
GW-1D	447416.34	13320470.01	980.48	977.73	122.0	127.0	5.0	855.7	850.7	127.0	850.7	Yes	15.28	995.76
GW-2	446973.75	13320794.04	981.34	978.34	40.5	45.5	5.0	937.8	932.8	45.5	932.8	Yes	NM%	
GW-3S	446734.78	13320830.55	990.87	987.87	62.0	67.0	5.0	925.9	920.9	67.0	920.9	Yes	NM	
GW-3I	446734.78	13320830.55	991.13	988.63	79.5	84.5	5.0	909.1	904.1	84.5	904.1	Yes	3.97	995.10
GW-3D	446734.78	13320830.55	990.60	988.60	98.0	103.0	5.0	890.6	885.6	103.0	885.6	Yes	4.52	995.12
GW-4S	447577.63	13321047.35	978.23	975.56	58.0	63.0	5.0	917.6	912.6	63.0	912.6	Yes	NM%	
GW-4I	447574.64	13321040.42	977.35	974.60	85.0	90.0	5.0	889.6	884.6	90.0	884.6	Yes	NM	
GW-4D	447574.24	13321030.39	977.27	974.60	109.0	114.0	5.0	865.6	860.6	114.0	860.6	Yes	16.51	993.78
GW-5S	446928.46	13320739.18	983.89	982.39	52.0	57.0	5.0	930.4	925.4	57.0	925.4	Yes	-3.95	979.94
GW-5I	446933.48	13320734.62	984.53	982.57	70.0	75.0	5.0	912.6	907.6	75.0	907.6	Yes	6.46	990.99
GW-5D	446932.99	13320740.73	984.66	982.28	90.5	95.5	5.0	891.8	886.8	95.5	886.8	Yes	6.93	991.59
GW-6S	447038.22	13320589.52	982.42	981.00	54.0	59.0	5.0	927.0	922.0	59.0	922.0	Yes	5.37	987.79
GW-6I	447048.80	13320585.72	982.43	979.89	73.0	78.0	5.0	906.9	901.9	78.0	901.9	Yes	0.00	982.43
GW-6D	447043.97	13320590.86	982.09	979.84	92.0	97.0	5.0	887.8	882.8	97.0	882.8	Yes	10.93	993.02
GW-7S	446806.97	13320309.59	1025.20	1022.32	24.0	29.0	5.0	998.3	993.3	29.0	993.3	No	-26.29	998.91
GW-7I	446802.93	13320309.59	1025.24	1022.95	69.5	74.5	5.0	953.5	948.5	74.5	948.5	No	-28.78	996.46
GW-8S	446703.98	13320502.98	1031.99	1029.66	36.0	41.0	5.0	993.7	988.7	41.0	988.7	No	-35.12	996.87
GW-9S	446379.76	13320544.39	1038.33	1035.91	35.5	40.5	5.0	1000.4	995.4	40.5	995.4	No	-37.38	1000.95
GW-10S	447114.18	13320396.37	989.70	987.24	75.0	80.0	5.0	912.2	907.2	80.0	907.2	Yes	6.85	996.55
GW-10I	447122.52	13320399.72	989.58	986.87	98.0	103.0	5.0	888.9	883.9	103.0	883.9	Yes	5.66	995.24
GW-10D	447119.94	13320403.80	989.50	986.67	120.0	125.0	5.0	866.7	861.7	125.0	861.7	Yes	6.30	995.80
GW-11S	446409.53	13320733.82	1030.19	1027.69	46.5	51.5	5.0	981.2	976.2	51.5	976.2	No	-31.46	998.73
GW-11I	446402.35	13320728.06	1030.29	1027.83	135.0	140.0	5.0	892.8	887.8	140.0	887.8	No	-31.24	999.05
GW-11D	446404.83	13320734.18	1030.05	1027.51	183.0	188.0	5.0	844.5	839.5	188.0	839.5	No	-25.67	1004.38
GW-12S	446013.89	13320755.24	1031.12	1028.29	65.5	70.5	5.0	962.8	957.8	70.5	957.8	No	-30.11	1001.01
GW-12I	445997.47	13320748.12	1030.52	1027.64	138.0	143.0	5.0	889.6	884.6	143.0	884.6	No	-29.74	1000.78
GW-12D	446004.63	13320753.73	1031.01	1028.13	191.0	196.0	5.0	837.1	832.1	196.0	832.1	No	-26.56	1004.45
GW-13S	446998.74	13320264.22	1009.84	1006.96	75.0	80.0	5.0	932.0	927.0	80.0	927.0	No	-14.65	995.19
GW-13I	446997.63	13320254.84	1010.12	1006.99	92.0	97.0	5.0	915.0	910.0	102.0	905.0	No	-13.50	996.62
GW-13D	446996.88	13320273.21	1009.60	1006.72	120.0	125.0	5.0	886.7	881.7	140.0	866.7	No	-13.00	996.60
GW-14	447085.90	13320445.08	990.08	986.87	176.0	181.0	5.0	810.9	805.9	240.0	746.9	Yes	6.96	997.04
GW-15	447219.87	13320274.36	985.85	983.31	98.0	103.0	5.0	885.3	880.3	103.0	880.3	Yes	0.52	986.37
GW-16	444967.05	13320229.71	1016.58	1013.75	44.5	49.5	5.0	969.3	964.3	49.5	964.3	No	-14.43	1002.15
GW-17I	447074.82	13320890.41	981.04	977.90	91.0	96.0	5.0	886.9	881.9	96.0	881.9	Yes	10.07	991.11
GW-17D	447081.12	13320899.45	981.96	978.20	110.0	115.0	5.0	868.2	863.2	115.0	863.2	Yes	11.03	992.99
GW-18	446978.96	13320752.94	984.16	980.80	91.5	96.5	5.0	889.3	884.3	96.5	884.3	Yes	7.67	991.83
GW-19S	447318.57	13321071.94	977.23	973.01	80.0	85.0	5.0	893.0	888.0	85.0	888.0	Yes	16.44	993.67
GW-19D	447312.59	13321070.45	977.23	973.16	113.0	118.0	5.0	860.2	855.2	118.0	855.2	Yes	11.66	988.89
GW-20I	447127.35	13321077.00	979.86	976.11	85.0	90.0	5.0	891.1	886.1	90.0	886.1	Yes	13.19	993.05
GW-20D	446889.51	13321077.25	979.83	976.26	117.0	122.0	5.0	859.3	854.3	122.0	854.3	Yes	12.60	992.43
GW-21S	446889.33	13321084.88	981.02	978.40	60.0	65.0	5.0	918.4	913.4	65.0	913.4	Yes	11.45	992.47
GW-21D	446889.51	13321089.69	980.84	977.78	107.0	112.0	5.0	870.8	865.8	112.0	865.8	Yes	12.36	993.20
GW-22S	447503.60	13321729.90	1001.89	1002.10	52.0	57.0	5.0	950.1	945.1	57.0	945.1	No	-22.03	979.86
GW-22I	447507.94	13321728.93	1001.86	1002.10	86.0	91.0	5.0	916.1	911.1	91.0	911.1	No	-18.79	983.07
GW-22D	447509.01	13321719.40	1000.69	1001.40	163.0	168.0	5.0	838.4	833.4	168.0	833.4	No	-10.22	990.47
GW-23S	447304.09	13321777.45	989.23	989.40	41.0	46.0	5.0	948.4	943.4	46.0	943.4	No	-6.29	982.94
GW-23I	447311.30	13321776.99	989.79	990.00	95.0	100.0	5.0	895.0	890.0	100.0	890.0	No	-6.85	982.94
GW-23D	447294.60	13321777.67	988.54	988.90	125.0	130.0	5.0	863.9	858.9	130.0	858.9	No	-4.99	983.55
GW-24I	447672.77	13321619.46	988.51	985.60	121.0	126.0	5.0	864.6	859.6	126.0	859.6	No	-5.12	983.39
GW-24D	447675.24	13321620.87	988.78	985.90	140.0	145.0	5.0	845.9	840.9	145.0	840.9	No	-2.29	986.49
GW-25I	447571.27	13321581.05	983.53	983.79	74.0	79.0	5.0	909.8	904.8	79.0	904.8	No	-0.47	983.06
GW-25D	447562.48	13321586.79	984.52	983.99	121.0	126.0	5.0	863.0	858.0	126.0	858.0	No	-0.57	983.95
GW-26I	447590.03	13321866.04	994.15	994.56	67.0	72.0	5.0	927.6	922.6	72.0	922.6	No	-13.49	980.66
GW-26D	447584.49	13321877.05	993.40	993.78	126.0	131.0	5.0	867.8	862.8	131.0	862.8	No	-10.51	982.89
GW-27	445497.96	13320291.84	1027.76	1025.03	30.0	35.0	5.0	995.0	990.0	35.0	990.0	No	-26.05	1001.71
GW-28I	445610.35	13320274.96	1027.45	1024.20	58.0	63.0	5.0	966.2	961.2	63.0	961.2	No	-25.86	1001.59
GW-28D	445610.65	13320274.96	1027.44	1024.20	68.0	73.0	5.0	956.2	951.2	73.0	951.2	No	-25.91	1001.53
GW-29	445790.27	13320316.35	1023.43	1020.96	60.0	65.0	5.0	961.0	956.0	65.0	956.0	No	-22.09	1001.34
GW-30	445471.28	13320345.94	1032.06	1028.94	32.0	37.0	5.0	996.9	991.9	37.0	991.9	No	-30.42	1001.64
GW-31	445372.41	13320303.36	1031.57	1028.59	29.0	34.0	5.0	999.6	994.6	34.0	994.6	No	-29.80	1001.77
GW-32	445453.48	13320244.47	1024.95	1021.60	52.0	57.0	5.0	969.6	964.6	57.0	964.6	No	-23.29	1001.66
GW-33S	445526.60	13320297.67	1028.05	1025.19	26.0	31.0	5.0	999.2	994.2	31.0	994.2	No	-26.34	1001.71
GW-33I	445526.60	13320297.67	1028.01	1025.19	65.0	70.0	5.0	960.2	955.2	70.0	955.2	No	-26.33	1001.68
GW-34S	445529.47	13320313.14	1028.27	1026.20	27.0	32.0	5.0	999.2	994.2	32.0	994.2	No	-26.55	1001.72
GW-34I	445529.47	13320313.14	1028.16	1026.20	65.0	70.0	5.0	961.2	956.2	70.0	956.2	No	-26.54	1001.62
GW-35S	445540.28	13320279.65	1026.13	1023.09	40.0	45.0	5.0	983.1	978.1	45.0	978.1	No	-24.41	1001.72
GW-35I	445540.28	13320279.65	1026.10	1023.09	65.0	70.0	5.0	958.1	953.1	70.0	953.1	No	-24.42	1001.68
GW-36S	445537.13	13320324.61	1028.97	1026.83	28.0	33.0	5.0	998.8	993.8	33.0	993.8	No	-27.38	1001.59
GW-36I	445537.13	13320324.61	1028.96	1026.83	65.0	70.0	5.0	961.8	956.8	70.0	956.8	No	-27.25	1001.71
GW-37S	445546.31	13320300.42	1027.18	1025.10	35.0	40.0	5.0	990.1	985.1	40.0	985.1	No	-25.48	1001.70
GW-37I	445546.31	13320300.42	1027.04	1025.10	65.0	70.0	5.0	960.1	955.1	70.0	955.1	No	-25.32	1001.72
GW-38	445518.58	13320286.16	1026.28	1024.36	26.0	31.0	5.0	998.4	993.4	31.0	993.4	No	-24.58	1001.70
GW-39	445520.23	13320276.05	1025.13	1023.36	26.0	31.0	5.0	997.4	992.4	31.0	992.4	No	-23.41	1001.72
GW-40S	445605.81	13320305.09	1028.43	1025.69	30.0	35.0	5.0	995.7	990.7	35.0	990.7	No	-26.78	1001.65
GW-40I	445605.81	13320305.09	1028.31	1025.69	66.0	71.0	5.0	959.7	954.7	71.0	954.7	No	-26.68	1001.63
IW-1S	445517.04	13320295.69	1028.01	1025.11	26.0	31.0	5.0	999.1	994.1	31.0	994.1	No	-26.31	1001.70
IW-1I	445517.04	13320295.69	1027.96	1025.11	65.0	70.0	5.0	960.1	955.1	70.0	955.1	No	-26.29	1001.67
MW-2S	445804.80	13320478.38	1023.64	1022.06	19.0	24.0	5.0	1003.1	998.1	24.0	998.1	No	-21.99	1001.65
MW-2I	445808.79	13320475.45	1024.22	1021.92	58.0	63.0	5.0	963.9	958.9	63.0	958.9	No	-22.78	1001.44
MW-2D	445809.57	13320479.78	1024.06	1021.99	97.0	102.0	5.0	925.0	920.0	102.0	920.0	No	-22.68	1001.38
MW-3I	446205.86	13320379.77	1029.94	1027.56	75.0	80.0	5.0	952.6	947.6	80.0	947.6	No	-30.93	999.01
MW-3D	446213.49	13320381.94	1030.06	1027.96	124.0	129.0	5.0	904.0	899.0	129.0	899.0	No	-31.09	998.97
MW101-I	447035.94	13319934.32	1003.03	1000.72	60.0	62.0	2.0	940.7	938.7	62.0	938.7	No	-4.88	998.15

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 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	June-08: Water Level Measurement (ft ATOC)	June-08: Head Elevation (ft AMSL)
MW101-D	446998.14	13319973.18	1004.49	1001.35	87.0	92.0	5.0	914.4	909.4	92.0	909.4	No	-6.45	998.04
MW102-I	446857.96	13320520.17	1009.37	1006.70	78.0	80.0	2.0	928.7	926.7	80.0	926.7	No	-13.99	995.38
MW102-D	446842.77	13320518.72	1010.77	1008.48	111.5	116.5	5.0	897.0	892.0	116.5	892.0	No	-15.49	995.28
MW103-S	446383.27	13320544.02	1038.10	1036.18	93.0	98.0	5.0	943.2	938.2	98.0	938.2	No	-39.69	998.41
MW104-S	446164.83	13320701.00	1037.38	1034.42	37.0	39.0	2.0	997.4	995.4	39.0	995.4	No	-36.59	1000.79
MW104-I	446142.88	13320686.20	1037.05	1034.30	69.0	77.0	8.0	965.3	957.3	77.0	957.3	No	-36.25	1000.80
MW105-S	446112.57	13320151.84	1007.08	1003.70	25.0	30.0	5.0	978.7	973.7	30.0	973.7	No	-6.48	1000.60
MW105-I	446102.22	13320160.52	1008.95	1006.20	40.0	45.0	5.0	966.2	961.2	45.0	961.2	No	-8.47	1000.48
MW105-D	446121.94	13320176.55	1008.74	1005.99	90.0	100.0	10.0	916.0	906.0	100.0	906.0	No	-10.05	998.69
MW-106D	445808.57	13320279.68	1020.06	1017.39	90.0	95.0	5.0	927.4	922.4	95.0	922.4	No	-18.79	1001.27
MW107-I	445307.04	13319939.26	996.49	995.70	52.0	54.0	2.0	943.7	941.7	54.0	941.7	Yes	6.70	1003.19
MW107-D	445310.25	13319926.43	995.34	993.88	71.0	76.0	5.0	922.9	917.9	76.0	917.9	Yes	7.07	1002.41
MW108-I	445453.13	13320783.82	1052.51	1049.80	60.0	65.0	5.0	989.8	984.8	65.0	984.8	No	-50.74	1001.77
MW108-D	445460.68	13320811.77	1051.24	1048.49	76.0	78.0	2.0	972.5	970.5	78.0	970.5	No	-49.45	1001.79
MW109-D	444977.98	13320912.96	1046.69	1044.02	144.0	149.0	5.0	900.0	895.0	149.0	895.0	No	-44.27	1002.42
MW110-S	444435.24	13320447.67	1014.42	1011.00	47.0	49.0	2.0	964.0	962.0	49.0	962.0	No	-9.11	1005.31
MW110-I	444435.24	13320447.67	1013.78	1010.70	77.0	79.0	2.0	933.7	931.7	79.0	931.7	No	-8.71	1005.07
MW110-D	444435.24	13320447.67	1013.46	1010.80	122.0	127.0	5.0	888.8	883.8	127.0	883.8	No	-8.03	1005.43
MW-111I	444233.00	13319687.50	1011.83	1008.70	70.0	75.0	5.0	938.7	933.7	75.0	933.7	No	-5.94	1005.89
PW-1	446807.02	13320515.22	1015.26	1012.80	48.3	80.0	31.8	964.6	932.8	80.0	932.8	No	-29.69	985.57
PW-2	445155.78	13320245.80	1025.71	1023.38	44.6	80.0	35.4	978.8	943.4	80.0	943.4	No	-23.82	1001.89
PW-3	445329.15	13320406.91	1036.42	1034.67	38.1	70.0	31.9	996.6	964.7	70.0	964.7	No	-37.89	998.53
PW-4	447149.39	13320705.72	978.83	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	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	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	1027.88	32.0	102.0	70.0	995.9	925.9	102.0	925.9	No	-32.34	998.62
PW-8	446008.82	13320516.99	1038.71	1036.21	39.0	115.0	76.0	997.2	921.2	115.0	921.2	No	-37.96	1000.75
PW-9	445484.71	13320563.03	1044.54	1042.00	40.0	100.0	60.0	1002.0	942.0	100.0	942.0	No	-42.80	1001.74
RW-1	445816.02	13320285.19	1019.94	1016.91	27.0	30.0	3.0	989.9	986.9	30.0	986.9	No	-18.86	1001.08
RW-1D	445814.18	13320287.33	1019.53	1017.09	66.5	69.5	3.0	950.6	947.6	69.5	947.6	No	-18.29	1001.24
RW-2	445567.73	13320631.06	1050.02	1046.35	45.0	48.0	3.0	1001.4	998.4	48.0	998.4	No	-48.31	1001.71
RW-3	445227.94	13320641.44	1052.52	1050.17	54.0	57.0	3.0	996.2	993.2	57.0	993.2	No	Destroyed	
RW-4	445432.81	13320232.98	1023.66	1023.43	29.0	32.0	3.0	994.4	991.4	32.0	991.4	No	-21.89	1001.77
RW-5S	445386.38	13320451.25	1039.78	1037.50	47.0	50.0	3.0	990.5	987.5	50.0	987.5	No	-38.12	1001.66
RW-5D	445387.01	13320453.46	1039.21	1037.15	60.0	65.0	5.0	977.1	972.1	65.0	972.1	No	-37.52	1001.69
RW-6	444918.80	13320457.14	1026.42	1023.59	31.0	34.0	3.0	992.6	989.6	34.0	989.6	No	-24.26	1002.16
RW-6D	444917.67	13320452.43	1026.98	1023.48	66.0	69.0	3.0	957.5	954.5	69.0	954.5	No	-24.79	1002.19
RW-7	445120.68	13320242.82	1022.74	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	1020.31	37.0	40.0	3.0	983.3	980.3	40.0	980.3	No	-21.16	1001.90
RW-8D	445237.45	13320191.79	1022.20	1020.45	70.0	73.0	3.0	950.5	947.5	73.0	947.5	No	-20.30	1001.90
RW-9	445309.05	13319941.89	999.99	997.07	11.0	14.0	3.0	986.1	983.1	14.0	983.1	No	-7.07	992.92
RW-10	445809.13	13320706.46	1023.13	1019.92	15.0	18.0	3.0	1004.9	1001.9	18.0	1001.9	No	-9.31	1013.82
RW-11	446529.54	13320346.67	1035.04	1032.00	33.0	36.0	3.0	999.0	996.0	36.0	996.0	No	-27.48	1007.56
RW-12	444963.45	13320929.00	1046.84	1044.01	44.0	47.0	3.0	1000.0	997.0	47.0	997.0	No	-44.59	1002.25
RW-13	444435.24	13320447.67	1010.77	1007.77	11.0	14.0	3.0	996.8	993.8	14.0	993.8	No	-11.81	998.96
RW-14	446202.95	13320387.44	1031.74	1028.49	30.0	33.0	3.0	998.5	995.5	33.0	995.5	No	-32.05	999.69
RW-15	445450.12	13320805.75	1051.04	1047.75	51.0	53.0	2.0	996.8	994.8	53.0	994.8	No	-49.30	1001.74
RW-16	444272.30	13319677.20	1011.43	1007.93	17.5	20.5	3.0	990.4	987.4	20.5	987.4	No	-6.58	1004.85
RW-17	445605.90	13321164.30	1016.76	1014.59	40.0	43.0	3.0	974.6	971.6	43.0	971.6	No	-12.34	1004.42
RW-18	447006.83	13319977.71	1010.78	1006.45	30.5	33.5	3.0	976.0	973.0	33.5	973.0	No	-6.45	1004.33
SG-1	447491	13321086	973.06	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-2	447158	13321126	972.86	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-3	446686	13321828	972.88	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-4	448241	13322404	967.79	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-5	448342	13323740	967.44	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-6	447554	13321305	973.18	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-7	448923	13320339	975.17	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-8	448508	13321050	973.73	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-9	443006	13320693	989.51	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
SG-10	447173	13320742	972.83	NA	NA	NA	NA	NA	NA	NA	NA	No	NM	
PZ-1	444993	13320456	1028.44	NA	14.0	24.0	10.0	NA	NA	NA	NA	No	NM	
PZ-2	447600	13321558	982.74	NA	3.5	13.5	10.0	NA	NA	NA	NA	No	NM	
PZ-3	447185	13321900	992.35	NA	14.0	24.0	10.0	NA	NA	NA	NA	No	NM	
PZ-4	447589	13322238	1010.26	NA	13.0	23.0	10.0	NA	NA	NA	NA	No	NM	
PZ-5	446823	13322002	983.73	NA	0.0	10.0	10.0	NA	NA	NA	NA	No	NM	
WPZ-1	445800	13319964	993.47	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
WPZ-2	446616	13319932	991.37	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
WPZ-3	446089	13321194	985.87	NA	0.0	5.0	5.0	NA	NA	NA	NA	No	NM	
Tipsico Lake	NA	NA	1012.72	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
Water elevation data used to contour Figure 2.
Water elevation data used to contour Figure 3.
Water elevation data used to contour Figure 2 and Figure 3.

Table 2
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected June 16 through June 24, 2008

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	DNR-1	DNR-3	DNR-4D	DNR-5	DNR-5 Dup	DNR-6	DNR-7	GW-1I	GW-3I	GW-4D	GW-5D	GW-5I	GW-6D	GW-6I	GW-12I	GW-16	GW-17D
Benzene	1.5	0.133	5	5	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	**3.2**	<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	<1.0	<1.0	<1.0	**9.4**	<1.0	<1.0	<1.0	**1.0**	**4.9**	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	—	—	—	260	ID	490,000	<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-Dichloroethane	—	—	—	880	740	2,400,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**9.6**	<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	<1.0	<1.0	<1.0	**110**	<1.0	<1.0	<1.0	**58**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<1.0	<1.0	<1.0	<1.0	<1.0	**0.14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	2,000	2,000	1,000	790	140	530,000	<1.0	<1.0	**1.0**	<1.0	<1.0	**3.8**	<1.0	<1.0	<1.0	<1.0	**1.5**	<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	<1.0	<1.0	<1.0	**22**	<1.0	<1.0	<1.0	**4.0**	<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
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	**0.40**	**100**	<1.0	<1.0	<1.0	**5.7**	**63**	<1.0	<1.0	<1.0	<1.0	**11**
Xylenes (Total)	440	440	10,000	280	35	130,000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

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.
B - The analyte was also detected in the associated method blank. The sample result is considered estimated.
<1.0 - Not detected above the analytical method reporting limits. The analytical method reporting limit following the "less than" symbol.
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Table 2
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Rose Township Demode Road Site
Holly, Michigan
Samples Collected June 16 through June 24, 2008

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-17I	GW-18	GW-19D	GW-19S	GW-19S Dup	GW-20D	GW-20D Dup	GW-20I	GW-21D	GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-24D
Benzene	1.5	0.133	5	5	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	<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
Chloromethane	---	---	---	260	ID	490,000	<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-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	<1.0
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	<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
Ethylbenzene	680	680	700	74	18	170,000	<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
Toluene	2,000	2,000	1,000	790	140	530,000	<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
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	<1.0	<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
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	18	<1.0	0.63	0.72	18	17	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Xylenes (Total)	440	440	10,000	280	35	130,000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

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	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-24I	GW-25D	GW-25I	GW-26D	GW-26D Dup	GW-26I	MW-2I	MW-3I	MW-102D	MW-103S	MW-107I	MW-108D	MW-109D	PW-1	PW-3	PW-4	PW-6
Benzene	1.5	0.133	5	5	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.8	<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	46	<1.0	<1.0
Chloroethane	—	—	—	430	ID	440,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	—	—	—	260	ID	490,000	<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	1.3	<1.0	<1.0	<1.0
1,1-Dichloroethane	—	—	—	880	740	2,400,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<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	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	2.2	<1.0	<1.0	<1.0	32	<1.0	<1.0	11
Ethylbenzene	680	680	700	74	18	170,000	<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	6.2	<1.0	<1.0
Toluene	2,000	2,000	1,000	790	140	530,000	<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	25	<1.0	<1.0
trans-1,2-Dichloroethene	—	—	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	<1.0	1.2	<1.0	<1.0	<1.0	4.4	<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
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	11	25	<1.0	<1.0	<1.0	<1.0	<1.0	13	<1.0	<1.0	9.1
Xylenes (Total)	440	440	10,000	280	35	130,000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	14	<3.0	<3.0

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.
B - The analyte was also detected in the associated method blank. The sample result is considered estimated.
<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.
180 - 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 June 16 through June 24, 2008

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	PW-9	RW-1	RW-1D	RW-1D Dup	RW-2	RW-2 Dup	RW-5S
Benzene	1.5	0.133	5	5	200	11,000	<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
Chlorobenzene	60	60	100	100	47	86,000	<1.0	38	<1.0	<1.0	<1.0	<1.0	4.8
Chloroethane	---	---	---	430	ID	440,000	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	---	---	---	260	ID	490,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	---	---	---	880	740	2,400,000	<1.0	3.1	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	---	---	7.0	7.0	65	11,000	<1.0	1.1	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	---	---	70	70	620	200,000	<1.0	3.3	22	23	<1.0	<1.0	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	2,000	2,000	1,000	790	140	530,000	1.9	<1.0	<1.0	<1.0	<1.0	1.1	<1.0
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	<1.0	<1.0	52	53	<1.0	<1.0	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	1.2	120	120	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	<1.0	1.1	1.1	<1.0	<1.0	<1.0
Xylenes (Total)	440	440	10,000	280	35	130,000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0

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.
B - The analyte was also detected in the associated method blank. The sample result is considered estimated.
<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-1	12/13/2007	<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	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	3/12/2008	<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	6/16/2008	<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-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-3	6/16/2008	<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	12/8/2005	<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	<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-4D	12/13/2007	<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
DNR-4D	3/13/2008	<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	6/19/2008	<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	--	**2.0**	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	4/6/1995	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
DNR-5	6/19/2008	<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-5 (Dup)	6/19/2008	<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	--	4.0	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	60	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	36	<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	6/23/2008	0.4	<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	3.2	<1.0	<1.0	<1.0	0.14	--	<5.0	<1.0	<10	3.8	<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
DNR-7	12/13/2007	75	<1.0	140	<1.0	<1.0	<1.0	<1.0	8.3	1.1	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	8.2	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	21	<3.0
DNR-7	3/12/2008	77	<1.0	150	<1.0	<1.0	<1.0	<1.0	10	1.1	<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	1.1	<3.0
DNR-7	6/17/2008	100	<1.0	110	<1.0	<1.0	<1.0	<1.0	9.6	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	9.4	<1.0	<1.0	12	<5.0	<1.0	<10	<1.0	22	<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-1I	6/20/2008	<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-3I	6/20/2008	<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-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	9/28/2005	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
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	8/19/2007	<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-4D	12/13/2007	<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-4D	3/12/2008	<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	6/19/2008	<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-5D	6/19/2008	**5.7**	<1.0	**58**	<1.0	<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	**1.5**	**4.0**	<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-5I	9/25/2007	**74**	<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	**4.6**	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	3/11/2008	**56**	<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	**3.7**	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-5I	6/20/2008	**63**	<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	**1.3**	<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-6D	12/11/2007	<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	3/12/2008	<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	6/20/2008	<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-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-6I	6/20/2008	<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-6S	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
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**	--	**80**
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-12I	6/17/2008	<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-16	6/16/2008	<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-17D	12/11/2007	**16**	<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	3/12/2008	**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	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	6/20/2008	**11**	<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-17I	12/11/2003	**6.7**	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-17I	12/11/2007	**1.3**	<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	3/12/2008	<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-17I	6/20/2008	<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-18	12/11/2003	**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
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	12/11/2006	**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	<2.0	<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	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
GW-18	12/11/2007	**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-18	3/12/2008	**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-18	6/23/2008	**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	<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-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	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	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	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	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	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	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	<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	<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	<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	<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	<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	<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	<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	<1.0	<3.0
GW-19D	12/10/2007	<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	<1.0	<3.0
GW-19D	3/12/2008	<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	**6.7B**	<1.0	<10	<1.0	<1.0	<1.0	<3.0
GW-19D	6/23/2008	<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	<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	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	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	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	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	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	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	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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.0	<3.0
GW-19S	12/10/2007	<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	<1.0	<3.0
GW-19S	3/12/2008	<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	**6.4B**	<1.0	<10	<1.0	<1.0	<1.0	<3.0
GW-19S	6/23/2008	<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	<1.0	<3.0
GW-19S (Dup)	6/23/2008	<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	<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	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	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	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	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	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	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	<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	<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	<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	<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	<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	<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	<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	<1.0	<3.0
GW-20D	12/11/2007	**15**	<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	<1.0	<3.0
GW-20D (Dup)	12/11/2007	**15**	<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	<1.0	<3.0
GW-20D	3/12/2008	**16**	<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	**7.0B**	<1.0	<10	<1.0	<1.0	<1.0	<3.0
GW-20D	6/23/2008	**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	<1.0	<3.0
GW-20D (Dup)	6/23/2008	**17**	<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	**1.9**	<5.0	<1.0	<10	<1.0	<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	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	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	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	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	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	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	<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	<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	<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	<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	<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	<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	<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	<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	<1.0	<3.0
GW-20I	12/11/2007	<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	<1.0	<3.0
GW-20I	3/12/2008	<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	**7.7B**	<1.0	<10	<1.0	<1.0	<1.0	<3.0
GW-20I	6/23/2008	<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	<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-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	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	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	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	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
GW-21D	12/11/2007	<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	3/13/2008	<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	**5.6B**	<10	<1.0	<1.0	<3.0
GW-21D	6/23/2008	<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	12/8/2004	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	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	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	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	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	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-21S	12/11/2007	<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	3/13/2008	<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	**5.3B**	<10	<1.0	<1.0	<3.0
GW-21S	6/23/2008	<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	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	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	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	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-22D	12/12/2007	<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-22D	3/13/2008	<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	6/17/2008	<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	**3.1**	<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	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	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	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	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	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	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-22I	12/12/2007	<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-22I	6/17/2008	<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-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	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	ND
GW-22S	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	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	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-22S	12/12/2007	<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-22S	3/13/2008	<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	6/17/2008	<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-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	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-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
GW-23D	12/12/2007	<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	**<2.0**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23D	3/13/2008	<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	6/17/2008	<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	**3.6**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
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-23I	12/12/2007	<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-23I	3/13/2008	<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	6/17/2008	<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-23S	12/8/2004	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-23S	12/12/2007	<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-23S	3/13/2008	<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	6/17/2008	<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-24D	12/12/2007	<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-24D	3/13/2008	<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	6/18/2008	<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	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-24I	12/12/2007	<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-24I	3/13/2008	<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	6/18/2008	<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-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-25D	12/12/2007	<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-25D	3/13/2008	<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	6/18/2008	<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	**1.9**	<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
GW-25I	12/12/2007	<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-25I (Dup)	12/12/2007	<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-25I	3/14/2008	<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	6/18/2008	<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-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-26D	12/12/2007	<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-26D	3/14/2008	<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-26D	6/18/2008	<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	<25	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D (Dup)	6/18/2008	<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
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
GW-26I	12/12/2007	<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-26I	3/14/2008	<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	6/18/2008	<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-26I (Dup)	6/18/2008																											
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-2I	6/18/2008	**11**	<1.0	<1.0	**5.5**	<1.0	<1.0	<1.0	**11**	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**4.2**	<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

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-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-3I	12/13/2007	20	<1.0	1.6	<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	1.6	<3.0
MW-3I (Dup)	12/13/2007	20	<1.0	1.6	<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	1.6	<3.0
MW-3I	3/12/2008	18	<1.0	1.3	<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	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	6/18/2008	25	<1.0	1.2	<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	1.7	<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-102D	12/13/2007	<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	<20	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	3/12/2008	<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	6/19/2008	<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-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	8/12/1991	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
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-103S	12/13/2007	<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	1.6	<3.0
MW-103S	3/12/2008	<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	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-103S	6/17/2008	<1.0	<1.0	2.2	<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	1.2	<3.0

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

		Parameters																										
Sample Location	Date Sampled	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-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	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
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	--	18	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-107I	6/20/2008	<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-108D	6/17/2008	<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-109D	6/17/2008	<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-1	12/11/2007	10	<1.0	31	<1.0	<1.0	<1.0	<1.0	1.4	<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	3.8	<3.0
PW-1	3/10/2008	8.3	<1.0	26	<1.0	<1.0	<1.0	<1.0	1.3	<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-1	6/16/2008	13	<1.0	32	<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	1.3	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	4.4	<3.0
PW-2	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	7.0	--	ND
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-3	6/16/2008	<1.0	<1.0	<1.0	2.6	46	<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	6.2	--	<5.0	<1.0	<10	25	<1.0	14
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-4	12/11/2007	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	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-4	3/10/2008	1.5	<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-4	6/16/2008	<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
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

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-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-6	12/11/2007	16	<1.0	11	<1.0	<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	1.1	<3.0
PW-6	3/10/2008	7.6	<1.0	8.7	<1.0	<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-6	6/16/2008	9.1	<1.0	11	<1.0	<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	4.6	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
PW-9	6/18/2008	<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	1.9	<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
RW-1	6/16/2008	<1.0	1.2	3.3	1.0	38	<1.0	<1.0	3.1	<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-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-1D	12/12/2007	1.6	150	24	<1.0	<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	24	<3.0
RW-1D (Dup)	12/12/2007	1.6	150	24	<1.0	<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	24	<3.0
RW-1D	3/12/2008	1.7	130	24	<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	<1.0	<5.0	<1.0	<10	<1.0	24	<3.0
RW-1D	6/16/2008	1.1	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	<2.0	<5.0	<1.0	<10	<1.0	52	<3.0
RW-1D (Dup)	6/16/2008	1.1	120	23	<1.0	<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	53	<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-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-2	6/18/2008	<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-2 (Dup)	6/18/2008	<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
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	6.0	--	<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-5S	12/13/2007	<1.0	1.5	1.1	<1.0	5.1	<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	<1.0	<3.0
RW-5S	3/13/2008	<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	1.6	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-5S	6/17/2008	<1.0	<1.0	<1.0	<1.0	4.8	<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-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	65,000	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

		Parameters																										
Sample Location	Date Sampled	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	9/29/1988	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 June 16 through June 23, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		DNR-1	DNR-3	DNR-4D	DNR-5	DNR-5 Dup	DNR-6	DNR-7	GW-1I	GW-3I	GW-4D	GW-5I	GW-5D	GW-6I	GW-6D	GW-12I	GW-16
Field Parameters																	
pH	S.U.	7.38	7.25	7.72	7.16	NA	8.51	7.60	7.58	7.14	7.26	7.15	7.34	7.22	7.14	9.27	8.04
Conductivity	µS/cm	520	552	511	519	NA	377	356	414	621	576	612	591	502	541	234	452
Dissolved Oxygen	mg/L	0.25	0.27	0.16	0.14	NA	0.65	9.27	7.22	0.07	0.20	0.16	0.22	0.09	0.12	5.24	2.90
Temperature	C°	10.77	10.54	11.87	11.11	NA	14.56	11.33	21.96	11.39	10.75	10.96	11.67	10.73	10.87	10.22	11.72
Oxidation/Reduction Potential	mv	10.5	21.1	-14.3	19.8	NA	1.1	-125.4	-211.5	20.1	5.5	24.7	-86	23.3	21.1	-65.2	140.2
Salinity	PSS	0.25	0.27	0.25	0.25	NA	0.18	NA	NA	0.30	28	0.30	0.29	0.24	0.26	NA	0.22
Turbidity	NTU	0.0	0	2	12	NA	8	98	26	2	7	0.0	24	1	1	25	0
Sulfide	mg/L	0.12	NA	0.38	NA	NA	NA	NA	NA	NA	0.09	0.00	NA	NA	0.04	NA	NA
Dissolved Iron	mg/L	0.8	NA	0.38	NA	NA	NA	NA	NA	NA	2.18	1.38	NA	NA	1.50	NA	NA
Dissolved Manganese	mg/L	1.6	NA	0.10	NA	NA	NA	NA	NA	NA	0.0	0.6	NA	NA	0.9	NA	NA
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.25	NA	0.13	NA	NA	NA	0.052	NA	NA	0.14	0.097	0.16	NA	<0.050	NA	NA
Total Organic Carbon	mg/L	3.0	NA	2.7	NA	NA	NA	3.1	NA	NA	1.4	2.8	2.5	NA	1.5	NA	NA
Nitrogen, Nitrate	mg/L	<0.050	NA	<0.050	NA	NA	NA	<0.050	NA	NA	<0.050	<0.050	<0.050	NA	<0.050	NA	NA
Nitrogen, Nitrite	mg/L	<0.050	NA	<0.050	NA	NA	NA	<0.050	NA	NA	<0.050	<0.050	<0.050	NA	<0.050	NA	NA
Sulfate	mg/L	<5.0	NA	9.1	NA	NA	NA	8.6	NA	NA	18	20	8.9	NA	22	NA	NA
Chloride	mg/L	1.7	NA	2.9	NA	NA	NA	7.2	NA	NA	2.6	6.0	5.1	NA	3.1	NA	NA
Total Alkalinity	mg/L	290	NA	280	NA	NA	NA	320	NA	NA	310	340	370	NA	270	NA	NA
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	NA	<1.0	NA	NA	NA	<2.0	NA	NA	<1.0	<1.0	<1.0	NA	<1.0	NA	NA
Ethene Gas in Water	µg/L	<1.0	NA	<1.0	NA	NA	NA	12	NA	NA	<1.0	1.3	<1.0	NA	<1.0	NA	NA
Methane Gas in Water	µg/L	47	NA	4.7	NA	NA	NA	75	NA	NA	4.6	12	9.9	NA	3.7	NA	NA

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 June 16 through June 23, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		GW-17D	GW-17I	GW-18	GW-19D	GW-19S	GW-19S Dup	GW-20D	GW-20D Dup	GW-20I	GW-21D	GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I
Field Parameters																	
pH	S.U.	7.03	7.08	7.21	7.07	6.96	NA	7.14	NA	7.09	7.36	7.22	7.54	7.19	7.45	7.52	7.20
Conductivity	µS/cm	609	609	576	559	548	NA	575	NA	593	502	591	590	576	551	572	590
Dissolved Oxygen	mg/L	0.11	0.39	0.06	0.19	0.09	NA	0.09	NA	0.11	0.05	0.10	0.08	0.08	0.12	0.08	0.07
Temperature	C°	10.17	10.17	10.42	10.78	10.68	NA	10.16	NA	10.01	10.34	10.64	10.68	10.88	11.59	11.47	11.15
Oxidation/Reduction Potential	mv	19.9	26.1	29.2	29.1	33.3	NA	23.5	NA	33.7	13.2	28.2	-79.4	-9.7	7.1	-118.3	-129.6
Salinity	PSS	0.30	0.30	0.28	0.27	0.27	NA	0.28	NA	0.29	0.24	0.29	0.29	0.28	0.27	0.28	0.29
Turbidity	NTU	2	0.0	0	0.0	0.0	NA	0	NA	0.0	3	0.0	NA	0.0	0.0	1.0	2.0
Sulfide	mg/L	0.0	NA	0.03	0.00	0.05	NA	0.01	NA	0.02	0.01	0.02	0.36	0.09	0.02	1.6	1
Dissolved Iron	mg/L	1.84	NA	1.55	1.96	1.64	NA	1.83	NA	1.68	1.17	1.51	0.24	2.01	0.69	0.14	0.2
Dissolved Manganese	mg/L	0.0	NA	0.3	0.7	0.0	NA	0.1	NA	0.4	0.3	0.1	0.0	0.4	0.3	0.4	0.0
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.10	NA	0.13	0.12	0.072	0.067	0.12	0.12	0.13	0.22	0.15	0.11	0.12	0.12	0.13	0.094
Total Organic Carbon	mg/L	1.4	NA	1.4	1.6	1.3	2.6	1.4	2.4	2.7	1.1	2.3	2.4	1.4	2.7	1.1	1.9
Nitrogen, Nitrate	mg/L	<0.050	NA	0.016	0.015	0.016	0.016	0.013	0.12	0.016	0.013	0.014	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	NA	<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	19	NA	16	25	24	23	16	16	21	2.5	20	11	20	16	<5.0	26
Chloride	mg/L	6.4	NA	5.2	5.2	3.1	3.1	6.1	5.6	7.7	1.9	7.1	3.7	2.6	2.4	3.0	5.5
Total Alkalinity	mg/L	310	NA	320	290	290	300	320	320	310	300	310	310	300	300	320	290
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	NA	<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
Ethene Gas in Water	µg/L	1.3	NA	0.38	<1.0	0.46	0.46	2.0	1.9	<1.0	<1.0	0.51	3.1	1.2	<1.0	3.6	1.3
Methane Gas in Water	µg/L	7.7	NA	18	3.4	3.1	3.6	20	18	3.6	18	4.7	5.6	2.3	18	25	2.6

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 June 16 through June 23, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		GW-23S	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26D Dup	GW-26I	MW-3I	MW-2I	MW-102D	MW-103S	MW-107I	MW-108D	MW-109D	PW-1
Field Parameters																	
pH	S.U.	7.19	7.13	7.19	7.08	7.02	7.44	NA	7.11	7.31	7.30	7.85	7.39	7.10	7.34	7.38	7.41
Conductivity	µS/cm	576	588	548	596	557	540	NA	572	397	417	423	402	578	419	414	374
Dissolved Oxygen	mg/L	0.06	0.59	2.45	0.79	0.46	0.71	NA	0.27	5.22	6.63	0.19	8.93	0.23	5.24	5.62	9.72
Temperature	C°	10.69	11.68	10.68	10.29	10.35	11.02	NA	11.40	9.85	10.16	12.20	11.22	9.97	10.40	10.34	10.32
Oxidation/Reduction Potential	mv	-77.7	84.3	63.8	30	13.2	-44.9	NA	21.5	-175.1	-177.6	-5.9	-129.6	23.0	-136.4	-134.3	-215.2
Salinity	PSS	0.28	0.29	0.27	0.29	27.00	0.26	NA	0.28	NA	NA	21	NA	0.28	NA	NA	NA
Turbidity	NTU	1.0	5.0	3	2	2	2	NA	4	17	32	3	23	0	15	20	2
Sulfide	mg/L	0.02	0.01	0.00	0.0	0.00	0.03	NA	0.05	0.05	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	mg/L	1.13	0.53	0.91	0.96	2.14	2.86	NA	2.45	1.39	NA	NA	NA	NA	NA	NA	NA
Dissolved Manganese	mg/L	0.3	0.0	0.4	0.40	0.5	1.9	NA	1.7	0.4	NA	NA	NA	NA	NA	NA	NA
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.12	<0.050	<0.050	0.14	0.16	0.12	0.12	0.13	0.11	NA	NA	0.16	NA	NA	NA	NA
Total Organic Carbon	mg/L	2.8	1.4	1.6	1.1	2.9	3.8	3.9	1.8	2.9	NA	NA	1.5	NA	NA	NA	NA
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	NA	<0.050	NA	NA	NA	NA
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	NA	<0.050	NA	NA	NA	NA
Sulfate	mg/L	25	21	10	21	15	<5.0	<5.0	13	19	NA	NA	20	NA	NA	NA	NA
Chloride	mg/L	4.3	5.1	2.6	4.4	2.8	2.4	2.1	2.6	3.1	NA	NA	5.2	NA	NA	NA	NA
Total Alkalinity	mg/L	290	230	230	240	230	230	240	240	240	NA	NA	320	NA	NA	NA	NA
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<20	<1.0	<1.0	NA	NA	<1.0	NA	NA	NA	NA
Ethene Gas in Water	µg/L	<1.0	<1.0	<1.0	1.9	<1.0	<25	<20	1.6	<1.0	NA	NA	<1.0	NA	NA	NA	NA
Methane Gas in Water	µg/L	3.3	0.51	2.1	3.6	5.8	590.0	480	24	12	NA	NA	8.7	NA	NA	NA	NA

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 June 16 through June 23, 2008

Biogeochemical and Field Parameters	Units	Sample Locations									
		PW-3	PW-4	PW-6	PW-9	RW-1	RW-1D	RW-1D Dup	RW-2	RW-2 Dup	RW-5S
Field Parameters											
pH	S.U.	7.41	7.43	7.42	7.23	7.27	7.63	NA	7.18	NA	7.48
Conductivity	µS/cm	406	385	388	390	533	524	NA	418	NA	424
Dissolved Oxygen	mg/L	8.36	9.39	7.43	8.90	0.17	0.22	NA	6.00	NA	5.57
Temperature	C°	10.71	11.44	10.54	10.70	10.35	7.63	NA	10.77	NA	11.29
Oxidation/Reduction Potential	mv	-159.4	-142.2	-187.1	-46.5	62.3	56.3	NA	-93.1	NA	-189.9
Salinity	PSS	NA	NA	NA	NA	0.26	0.25	NA	NA	NA	NA
Turbidity	NTU	2	2	2	31	1	1	NA	30	NA	9
Sulfide	mg/L	NA	NA	NA	NA	NA	0.01	NA	NA	NA	0.02
Dissolved Iron	mg/L	NA	NA	NA	NA	NA	0.37	NA	NA	NA	4.52
Dissolved Manganese	mg/L	NA	NA	NA	NA	NA	0.3	NA	NA	NA	0.9
Biogeochemical Parameters											
Nitrogen, Ammonia	mg/L	NA	NA	NA	NA	NA	0.075	0.08	NA	NA	<0.050
Total Organic Carbon	mg/L	NA	NA	NA	NA	NA	2.0	3.1	NA	NA	1.3
Nitrogen, Nitrate	mg/L	NA	NA	NA	NA	NA	<0.050	<0.050	NA	NA	<0.050
Nitrogen, Nitrite	mg/L	NA	NA	NA	NA	NA	<0.050	<0.050	NA	NA	<0.050
Sulfate	mg/L	NA	NA	NA	NA	NA	<5.0	<5.0	NA	NA	25
Chloride	mg/L	NA	NA	NA	NA	NA	4.7	4.8	NA	NA	4.9
Total Alkalinity	mg/L	NA	NA	NA	NA	NA	320	290	NA	NA	320
Dissolved Gases											
Ethane Gas in Water	µg/L	NA	NA	NA	NA	NA	<2.0	<2.0	NA	NA	<1.0
Ethene Gas in Water	µg/L	NA	NA	NA	NA	NA	<2.0	<2.0	NA	NA	<1.0
Methane Gas in Water	µg/L	NA	NA	NA	NA	NA	58	69	NA	NA	0.62

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
Rose Township, Demode Road Site
Groundwater Extraction and Treatment System
Units as Given

Sampling Month:		Discharge	April Data		April Data		April Data		April Data		April
Sample Date:		Limitations	04/07/08	04/07/08	04/14/08	04/14/08	04/21/08	04/21/08	04/28/08	04/28/08	Monthly Average
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Effluent
Compound Name	***Units***										
Chlorobenzene	ug/L	5(m)	-	<1.0	-	-	-	-	-	-	-
Methylene chloride	ug/L	5(m)	-	**1.5****	-	-	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	5(m)	-	<1.0	-	-	-	-	-	-	-
Trichloroethylene	ug/L	5(m)	-	<1.0	-	-	-	-	-	-	-
Vinyl chloride	ug/L	3(m)	**17**	<1.0	**16**	<1.0	**15**	<1.0	**16**	<1.0	<1.0
Benzene	ug/L	5(m)	<1.0	<1.0	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	<1.0	<1.0	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	**29**	<1.0	**29**	<2.0	**26**	<2.0	**29**	<2.0	<2.0
PCB: aroclor 1016	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1221	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1232	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1242	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1248	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1254	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
PCB: aroclor 1260	ug/L	*	<1.0	<1.0	-	-	-	-	-	-	-
Arsenic, total	ug/L	50(a)	-	**5.6**	-	**8.7**	-	**7.6**	-	**6.7**	**7.2**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5.0	-	<5.0	-	<5.0	-	<5.0	<5.0
Isophorone	ug/L	5(m)	-	<5.0	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1.0	-	<1.0	-	<1.0	-	<1.0	<1.0
Naphthalene	ug/L	5(m)	-	<5.0	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	-	-	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0084		0.0083		0.0075		0.0081		
Cumulative Mass Removal	lbs		528.79		530.20		531.60		532.86		

- = 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)
**=Analyte detected in the trip blank.

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

Sampling Month:		Discharge	May Data		May Data		May Data		May Data		May
Sample Date:		Limitations	05/05/08	05/05/08	05/12/08	05/12/08	05/19/08	05/19/08	05/27/08	05/27/08	Monthly Average
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	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)	15	<1.0	16	<1.0	14	<1.0	14	<1.0	<1.0
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	26	2.7	26	2.4	27	2.4	27	2.1	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)	-	100	-	49.0	-	8.8	-	24.0	45.5
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<0.50	-	<5.0	-	<5.0	-		<5.0
Isophorone	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	1.1	-	<1.0	-	<1.0	-		<1.0
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	-	-	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0071		0.0071		0.0070		0.0055		
Cumulative Mass Removal	lbs		534.22		535.40		536.60		537.94		

- = 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)
**=Analyte detected in the trip blank.

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

Sampling Month:		Discharge	June Data		June Data		June Data		June Data		June Data		June
Sample Date:		Limitations	06/02/08	06/02/08	06/11/08	06/11/08	06/16/08	06/16/08	06/23/08	06/23/08	06/30/08	06/30/08	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)	14	<1.0	15	<1.0	14	<1.0	15	<1.0	15	<1.0	<1.0
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	25	<2.0	26	<2.0	25	<2.0	26	<2.0	27	2.7	1.3
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)	-	7.2	-	17	-	21	-	5.6	-	12	12.7
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<0.50	-	<5.0	-	<5.0	-	<5.0	-	<5.0	<5.0
Isophorone	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1.0	-	<1.0	-	<1.0	-	<1.0	-	<1.0	<1.0
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	-	-	-	-	<0.5
Air Emission Rate	lbs/hr	1.0 †	0.0071		0.0054		0.0041		0.0069		0.0038		
Cumulative Mass Removal	lbs		538.74		540.27		540.91		541.60		542.75		

- = 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)
**=Analyte detected in the trip blank.

Table 6
Summary of Operating Data
Groundwater Extraction and Treatment System
Rose Township Site
2nd Quarter 2008

Well ID	Apr-08			May-08			Jun-08		
	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation
PW-1	5,409,857	125	100	5,244,071	117	100	4,108,900	95	80
PW-3	1,538,429	36	100	1,489,595	33	100	1,159,383	27	80
PW-4	2,198,143	51	100	2,136,857	48	100	1,084,600	25	63
PW-6	5,111,143	118	100	4,953,833	111	100	3,919,909	91	78
PW-7	0	0	0	0	0	0	1,000	0	0
PW-8	0	0	0	0	0	0	51,000	1	7

Appendix A

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: ~

Well Identification: PW-3
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]~~ gal	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1350	–	-	34								CLEAR / NONE
1410	–	–	34	7.43	406	8.59	10.72	-151.7	–	2	" / "
1414	–	–	34	7.43	406	8.44	10.72	-158.6	–	2	" / "
1418	–	–	34	7.41	406	8.36	10.71	-159.4	–	2	" / "

Sampling Flow Rate: 34 ~~mL~~ gal/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW3-061608-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1420
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI - 556 MPS (Rental) **Calibration Date:** 06.16.08
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.16.08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: —

Well Identification: PW 6
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]~~ gal	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1253	—	—	119								CLEAR / None
1255	—	—	119	7.40	388	7.47	10.54	-186.2	—	3	" / "
1300	—	—	118	7.42	388	7.42	10.52	-186.7	—	2	" / "
1303	—	—	119	7.42	388	7.43	10.54	-187.1	—	2	" / "

Sampling Flow Rate: 119 ~~mL~~ gal/min
Controler/Pump Settings: CPM PSI
Sample Identification:
Sample Analysis:
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1305
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06.16.08
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.16.08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: —

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]~~ gal	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1100	—	—	125								CLEAR / NONE
1112	—	—	125	7.41	374	9.95	10.32	-199.8	—	2	CLEAR / —
1117	—	—	125	7.41	374	9.75	10.33	-208.9	—	2	" / "
1120	—	—	125	7.41	374	9.71	10.33	-211.6	—	2	" / "
1123	—	—	125	7.41	374	9.72	10.32	-215.2	—	2	" / "

Sampling Flow Rate: 125 ~~ml~~ gal/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW1 - 061608 - JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1125
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (RENTAL) **Calibration Date:** 06.16.08
Second Meter Info: — **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.16.08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: –

Well Identification: PW-4
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]~~ Gal	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0958			51								CLEAR / –
1000			51	7.43	386	9.64	11.31	-138.2	–	2	CLEAR / –
1003			52	7.43	385	9.52	11.39	-140.5	–	2	CLEAR / –
1007			53	7.43	385	9.39	11.44	-142.2	–	2	CLEAR / –

Sampling Flow Rate: 51 Gal ~~mL~~/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: PW4-061608-JY
Sample Analysis: VOC
Field Filtered Analysis: –
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1010
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (rental) **Calibration Date:** 06.16.08
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.16.08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65°F overcast

Well Identification: MW 103 $
Water Level Before Pump Placement: - [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0830	-	-	245								CLOUDY / NONE
0849	-	-	245	7.41	399	9.93	11.28	-112.5	-	93	" / "
0852	-	-	245	7.41	400	9.72	11.22	-116.5	-	77	" / "
0855	-	-	"	7.40	401	9.46	11.19	-121.2	-	57	" / "
0859	-	-	"	7.38	401	9.25	11.19	-124.2	-	44	" / "
0903	-	-	"	7.39	401	9.10	11.20	-126.4	-	33	CLEAR / "
0907	-	-	"	7.39	401	8.98	11.20	-128.5	-	25	" / "
0910	-	-	"	7.39	402	8.93	11.22	-129.6	-	23	" / "

Sampling Flow Rate: 245 mL/min
Controler/Pump Settings: 4 CPM 140 PSI
Sample Identification: MW103$-061708-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 0915
QA/QC Sample Time: 0900

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☒ Field Blank ☐ Other:
QA/QC Sample Name: MW103$-FB-061708-JY
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 MPS (RENTAL) **Calibration Date:** 06.17.08
Second Meter Info: HACH 2100P **Calibration Date:** 06.06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No:
Personnel: ST
Weather: 67°F OVERCAST

Well Identification: MW-108D
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1350			450								CLOUDY / NONE
1407			"	7.47	385	8.55	10.30	-130.9	–	105	" / "
1411			350	7.44	393	8.65	10.46	-127.2	–	98	" / "
1415			280	7.40	399	7.65	10.65	-123.9	–	83	" / "
1418			325	7.38	408	7.25	10.70	-130.9	–	64	" / "
1421			325	7.38	406	6.50	10.51	-130.9	–	52	" / "
1425			"	7.36	415	5.81	10.42	-132.6	–	26	CLEAR / "
1430			"	7.35	419	5.35	10.38	-135.4	–	20	" / "
1434			"	7.34	420	5.27	10.36	-136.7	–	16	" / "
1439			"	7.34	419	5.24	10.40	-136.4	–	15	" / "

Sampling Flow Rate: ~~450~~ mL/min
Controler/Pump Settings: 4 CPM ~~150~~ ~~TBS~~ PSI
Sample Identification: MW108D-061708-ST
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1440
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06.17.08
Second Meter Info: HACH 2100P **Calibration Date:** 06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No:
Personnel: JY
Weather: 67° F OVERCAST

Well Identification: RW-5S
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1503			215								CLOUDY / NONE
1526			"	7.50	415	6.29	11.27	-183.2	–	17	CLEAR / "
1530			"	7.49	418	6.00	11.26	-185.5	–	14	" / "
1534			"	7.48	421	5.83	11.27	-187.7	–	12	" / "
1537			"	7.48	423	5.69	11.28	-189.0	–	10	" / "
1540			"	7.48	423	5.60	11.31	-189.6	–	10	" / "
1544			"	7.48	424	5.57	11.29	-189.9	–	9	" / "

Sampling Flow Rate: 215 mL/min
Controler/Pump Settings: 4 CPM 60 PSI
Sample Identification: RW5S-061708-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1545
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (Rental) **Calibration Date:** 06.17.08
Second Meter Info: Hach 2100 P **Calibration Date:** 03.06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ Well Identification: RW 5S

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^{2-}	0.02		☒ Yes	
			☐ Yes	
Fe^{2+}	4.52		☒ Yes	
			☐ Yes	
Mn	0.9		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR JT
Weather: CLOUDY, BREEZY 70°

Well Identification: RW-1D
Water Level Before Pump Placement: 17.97 [feet btor]
Pump Intake Set At: screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1620	17.97	~~18~~	200								NONE
1630	18.12	0.15	"	7.58	524	0.24	7.57	57.7	0.25	2	
1635	"	"	"	7.64	524	0.21	7.66	55.1	0.25	2	
1640	"	"	"	7.63	522	0.21	7.63	55.2	0.25	1	
1645	"	"	"	7.63	524	0.22	7.63	56.3	0.25	1	

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: RW1D-061608-PR
Sample Analysis:
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1650
QA/QC Sample Time: 1700

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: RW1R-061608-PR
QA/QC Sample Analysis: VOC + MNA + FIELD
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-16-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-16-08
Water Level Meter Info: HERON (CTI) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-16-08

EarthTech

	zero	RESULT	
S		0.01	mg/L
MN		0.3	mg/L
Fe		0.37	mg/L

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: PR
Weather: BREEZY 75° CLOUDS

Well Identification: RW-1
Water Level Before Pump Placement: 18.34 [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1530	18.34	0	200								
1540	"	"	"	7.58	537	1.05	10.21	22.5	0.26	2	NONE
1545	"	"	"	7.48	534	0.54	10.38	33.2	0.26	3	
1550	"	"	"	7.43	535	0.28	10.46	39.1	0.26	2	
1555	"	"	"	7.36	535	0.21	10.39	47.9	0.26	1	
1600	"	"	"	7.34	535	0.19	10.37	54.7	0.26	1	
1605	"	"	"	7.30	535	0.17	10.44	59.3	0.26	1	
1610	"	"	"	7.27	533	0.17	10.35	62.3	0.26	1	

Sampling Flow Rate: ≈100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: RW1-061608-PR
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1615
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) Calibration Date: 6-16-08
Second Meter Info: HACH 2100P (CTI) Calibration Date: 6-16-08
Water Level Meter Info: HERON CTI Calibration Date: —

Comments:

Signature: Phil Riley
Date: 6-16-08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65°F OVERCAST

Well Identification: RW-2
Water Level Before Pump Placement: 48.24 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1040	48.24	0.1	380								CLOUDY / NONE
1052	"	"	"	7.20	404	7.26	10.74	-113.0	-	146	" / "
1057	"	"	"	7.19	415	6.87	10.89	-108.9	-	125	" / "
1102	"	"	365	7.18	409	7.57	10.84	-102.8	-	84	" / "
1107	"	"	"	7.19	410	7.63	10.77	-100.5	-	72	" / "
1112	"	"	"	7.17	415	7.05	10.76	-96.6	-	49	" / "
1117	"	"	"	7.13	410	8.24	10.78	-94.1	-	42	" / "
1123	"	"	"	7.17	417	6.43	10.80	-92.8	-	37	clear / "
1126	"	"	"	7.17	418	6.26	10.77	-92.3	-	33	" / "
1129	"	"	"	7.18	418	6.00	10.77	-93.1	-	30	" / "

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: RW2-061808-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1130
QA/QC Sample Time: 1135

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: RW2+061808-JY-DUP.
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 MPS (RENTAL) **Calibration Date:** 06.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: HERON DIPPER-T **Calibration Date:**

Comments: COULD NOT STOP AIR FROM entering water line

Signature: John Vandenberk **Date:** 06.18.08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 3/25/2008

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 66°F OVERCAST

Well Identification: MW-2I
Water Level Before Pump Placement: 22.76 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1225	22.76	.03	375								DARK GRAY / NONE
1243	"	"	"	7.26	416	6.57	10.17	-176.5	—	249	GRAY / NONE
1248	"	"	"	7.27	417	6.39	10.18	-177.4	—	156	CLOUDY / "
1253	"	"	"	7.27	417	6.35	10.20	-177.7	—	111	" / "
1258	"	"	"	7.28	417	6.32	10.23	-177.9	—	107	" / "
1301	"	"	"	7.28	417	6.38	10.17	-178.2	—	63	" / "
1306	"	"	"	7.29	417	6.44	10.22	-177.7	—	47	" / "
1311	"	"	"	7.30	417	6.62	10.18	-177.7	—	35	" / "
1314	"	"	"	7.30	417	6.63	10.16	-177.6	—	32	" / "

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: MW2I-061808-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1315
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: HERON DIPPER T **Calibration Date:**

Comments:

Signature: John Yanchek **Date:** 06.18.08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 3/25/2008

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 78°F ~~[illegible]~~ PARTLY CLOUDY

Well Identification: DNR-6
Water Level Before Pump Placement: 59.92 [feet btor]
Pump Intake Set At: 67.70
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: 3/4" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1520	59.92	–	70								clear / NONE
1530	61.45	~~1.59~~ 1.53	70	8.38	380	0.84	14.52	1.4	0.18	14	" / "
1540	64.02	~~0.84~~ 4.10	70	8.40	380	0.69	14.60	-1.0	0.18	12	" / "
1550	64.54	4.62	70	8.47	377	0.68	14.73	-0.7	0.18	10	" / "
1553			70	8.51	377	0.65	14.56	1.1	0.18	8	" / "

Sampling Flow Rate: 70 mL/min
Controler/Pump Settings: 6 CPM 150 PSI
Sample Identification: DNR6-062308-JY
Sample Analysis: VOC, ~~MNA~~ ONLY
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1555

QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.23.08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments: 2" BLADDER PUMP, TUBING, SAFETY cable stuck at 67.70' bgs

Signature: [signature] **Date:** 06.23.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65°F overcast

Well Identification: GW-5D
Water Level Before Pump Placement: 1.46 [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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1105	1.46	—	125								
1110	6.97	1.08	125	7.35	591	0.24	11.81	-3.3	0.29	21	
1115	7.08		115	7.35	591	0.24	11.66	-6.7	0.29	23	
1120	←	7.55'	≈100	7.34	591	0.22	11.63	-7.6	0.29	23	
1125	←	7.63	≈100	7.34	591	0.22	11.67	-8.6	0.29	24	

Sampling Flow Rate: ≈125 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW5D-061808 · JY
Sample Analysis: MNA
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1128
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW5
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CT 7) **Calibration Date:** 06.18.08
Second Meter Info: Hach 2100 P (CT I) **Calibration Date:**
Water Level Meter Info: Heron Dipper T (CT1) **Calibration Date:**

Comments: VERY SLOW RECHARGE, PUMP @ LOWEST SPEED AND WELL STILL DRAWS DOWN

Signature: [signature] **Date:** 06.18.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 80°F PARTLY CLOUDY

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

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1530	-	-	-								CLEAR / "
1610	-	-	-	7.15	620	0.08	11.31	20.2	0.30	3	" / "
1615	-	-	-	7.15	620	0.11	11.19	20.4	0.30	3	" / "
1620	-	-	-	7.14	620	0.08	11.24	20.6	0.30	2	" / "
1625	-	-	-	7.14	621	0.07	11.39	20.1	0.30	2	" / "

Sampling Flow Rate: - mL/min
Controler/Pump Settings: - CPM - PSI
Sample Identification: GW3I-062008-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1630
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI MPS 556 (GI) **Calibration Date:** 06.20.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: - **Calibration Date:** -

Comments:

Signature: [signature] **Date:** 06.20.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777-04
Personnel: PRJ JY
Weather: CLEAR - 70° BREEZY

Well Identification: GW5I
Water Level Before Pump Placement: — [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1100											
1110				7.10	610	0.34	10.82	26.7	0.30	1	
1115				7.26	612	0.24	10.91	25.5	0.30	0	
1120				7.28	612	0.23	10.88	24.7	0.30	0	
1125				7.33	611	0.17	10.98	23.8	0.30	0	
1130				7.29	611	0.16	10.96	23.7	0.30	0	
1135				7.18	611	0.15	10.96	24.6	0.30	0	
1140				7.15	612	0.16	10.96	24.7	0.30	0	

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW5I-062008-JY
Sample Analysis: VOC+ MNA+ FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1145
QA/QC Sample Time: 1150

QA/QC Sample Type: ☐ Duplicate ☒ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW5I - MS/MSD-062008-JY
QA/QC Sample Analysis: VOC+ MNA
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-20-08
Second Meter Info: HACH (210VP) **Calibration Date:** 6-20-08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: Phillip Riley **Date:** 6-20-08

EarthTech

Project Number: _____ **Well Identification:** GW5I

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	0.00	mg/L	☒ Yes	
			☐ Yes	
Fe	1.38		☒ Yes	
			☐ Yes	
Mn	0.6		☒ 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 Township
Client: Crysler
Project No:
Personnel: PR
Weather: CLOUDY BREEZY 75°

Well Identification: GW-18
Water Level Before Pump Placement: ARTESIAN [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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1400	ARTESIAN										NONE
1435	"	"	"	7.22	577	0.30	10.40	34.1	0.28	2	
1440	"	"	"	7.21	576	0.21	10.58	33.3	0.28	1	
1445	"	"	"	7.23	576	0.16	10.63	31.7	0.28	2	
1450	"	"	"	7.23	576	0.12	10.46	30.7	0.28	0	
1455	"	"	"	7.22	576	0.08	10.54	30.2	0.28	0	
1500	"	"	"	7.22	576	0.07	10.44	29.7	0.28	0	
1505	"	"	"	7.21	576	0.04	10.39	29.4	0.28	0	
1510	"	"	"	7.21	576	0.06	10.42	29.2	0.28	0	

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW-18-062308-SY
Sample Analysis: VOC+MNA + FIELD
Field Filtered Analysis: NONE
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1515
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: 451 556 (CTI) **Calibration Date:** 6-23-08
Second Meter Info: HACH 2100P **Calibration Date:** 6-23-08
Water Level Meter Info: N/A **Calibration Date:**

Comments:

Signature: PRiley **Date:** 6-23-08

EarthTech

Project Number: _____ **Well Identification:** GW-18

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-	0.03	mg/L	☒ Yes	
			☐ Yes	
Fe	1.55		☒ Yes	
			☐ Yes	
Mn	0.3		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 70°F P. Cloudy

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

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1125	–	–	–								CLEAR/NONE
1149	–	–	–	7.16	575	0.15	10.25	24.8	0.28	0	" / "
1154	–	–	–	7.16	575	0.11	10.23	24.3	0.28	0	" / "
1159	–	–	–	7.13	575	0.10	10.18	23.8	0.28	0	" / "
1204	–	–	–	7.14	575	0.09	10.16	23.5	0.28	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW20D-062308-JY
Sample Analysis: VOC, MNA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1205
QA/QC Sample Time: 1210

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW20R-062308-JY
QA/QC Sample Analysis: VOC, MNA
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06-23-08
Second Meter Info: HACH 2100P **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.23.08

EarthTech

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

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⁻	0.01	mg/L	☒ Yes	
Fe	1.83	mg/L	☒ Yes	
Mn	0.1	mg/L	☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65° F, PARTLY CLOUDY

Well Identification: GW-19S
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At: –
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0820	–	–	ARTESIAN								CLEAR / NONE
0830	–	–	"	6.88	551	0.13	10.39	52.3	0.27	7	" / "
0835	–	–	–	6.90	548	0.09	10.56	44.2	0.27	6	" / "
0840	–	–	–	6.94	550	0.14	10.45	38.2	0.27	0	" / "
0845	–	–	–	6.94	547	0.09	10.62	37.4	0.27	0	" / "
0850	–	–	–	6.94	550	0.09	10.72	35.6	0.27	0	" / "
0855	–	–	–	6.96	548	0.09	10.68	33.3	0.27	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW19S-062308-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0900
QA/QC Sample Time: 0905

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW19R-062308-JY
QA/QC Sample Analysis: MNA
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.23.08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.23.08

EarthTech

Project Number: _____ **Well Identification:** GW19S

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	0.05	mg/L	☒ Yes	5-20[illegible]
			☐ Yes	
EC	1.64		☒ Yes	4-2012
			☐ Yes	
FM	0.0		☒ Yes	1-2013
			☐ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR/JY
Weather: Clear 60° Sunny

Well Identification: GW 17D
Water Level Before Pump Placement: T.O.C. [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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0905	T.O.C	0.0	ARTESIAN								
0910	"	"	"	6.94	609	0.11	10.16	45.3	0.30	6	
0915	"	"	"	6.98	609	0.10	10.17	30.8	0.30	6	
0920	"	"	"	7.00	609	0.08	10.17	26.3	0.30	6	
0925	"	"	"	7.02	609	0.10	10.18	22.6	0.30	4	
0930	"	"	"	7.03	609	0.11	10.17	19.9	0.30	2	

Sampling Flow Rate: ≈ 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW17D-062008-JY
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0935
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
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: [signature] **Date:**

EarthTech

Project Number: _____ **Well Identification:** _____

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	0.00	mg/L	☒ Yes	
			☐ Yes	
Fe	1.84		☒ Yes	
			☐ Yes	
Mn	0.0		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR/JY
Weather: Clear 65°

Well Identification: GW 17I
Water Level Before Pump Placement: T.O.C. [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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0940	—	—	AMES.								NONE
0950	"	"	"	7.01	608	1.51	10.19	27.8	0.30	0.0	"
0955	"	"	"	7.03	608	1.02	10.16	29.3	0.30	0.0	"
1000	"	"	"	6.98	608	1.00	10.17	29.7	0.30	0.0	"
1005	"	"	"	6.99	6.08	0.80	10.21	29.8	0.30	0.0	"
1010	"	"	"	7.05	609	0.71	10.17	29.2	0.30	0.0	"
1015	"	"	"	7.06	608	0.60	10.09	28.6	0.30	0.0	"
1020	"	"	"	7.06	609	0.51	10.14	28.4	0.30	0.0	"
1025	"	"	"	7.08	609	0.46	10.13	27.7	0.30	0.0	"
1030	"	"	"	7.07	609	0.42	10.15	26.9	0.30	0.0	"
1035	"	"	"	7.08	6.09	0.39	10.17	26.1	0.30	0.0	"

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW17I-062008-SY
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time:

QA/QC Sample Time: 1003

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☒ Field Blank ☐ Other:
QA/QC Sample Name: FB-
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 (CT1) **Calibration Date:** 10-20-08
Second Meter Info: HACH 2100P (CT1) **Calibration Date:** 10-20-08
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 10-20-08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: RH/JY
Weather: Sunny/Clear/Breeze

Well Identification: GW6D
Water Level Before Pump Placement: TOC [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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1210	—	—	—								
1220				7.17	546	0.16	10.61	21.3	0.27	11	
1225				7.15	545	0.12	10.64	21.8	0.27	2	
1230				7.14	545	0.12	10.84	21.6	0.27	1	
1235				7.14	543	0.11	10.98	21.4	0.26	2	
1240				7.14	541	0.12	10.87	21.1	0.26	1	

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW6D-062008-PR
Sample Analysis: VOC+MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1245
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis:
Meter Info: YSI 556 **Calibration Date:** 6-20-08
Second Meter Info: HACH 2100P **Calibration Date:** 6-20-08
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: Philip Ray **Date:** 6-20-08

EarthTech

Project Number: _____ **Well Identification:** GW-6D

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=	0.04	mg/L	☒ Yes	
			☐ Yes	
Fe	1.50		☒ Yes	
			☐ Yes	
Mn	0.9		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 70°F PARTLY SUNNY

Well Identification: MW102D
Water Level Before Pump Placement: 14.63 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERASTALTIC

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1200	14.45	-0.18	120								CLEAR / NONE
1220	14.32		"	7.67	476	0.61	12.27	-6.9	23	8	" / "
1225	14.01		"	7.73	456	0.49	12.13	-7.6	22	8	" / "
1230	13.92		"	7.75	448	0.45	12.10	-5.2	21	7	" / "
1235	13.89		"	7.77	441	0.35	12.08	-3.1	21	6	" / "
1240	13.84		"	7.80	431	0.27	12.23	-1.4	21	6	" / "
1245	13.81		"	7.81	429	0.21	12.19	-0.8	21	5	" / "
1250	13.74		"	7.83	425	0.22	12.32	-0.2	21	4	" / "
1255	"		"	7.84	423	0.20	12.24	-5.2	20	4	" / "
1300	"		"	7.85	423	0.19	12.20	-5.9	21	3	" / "

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: MW102D-061808-PR
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1305
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.18.08
Second Meter Info: HACH 2100 P (CTI) **Calibration Date:**
Water Level Meter Info: HERON DIPPER T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.18.08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 3/25/2008

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65° OVERCAST

Well Identification: DNR 7
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1000	–	–	155								CLOUDY / NONE
1017	–	–	"	7.65	345	9.61	11.55	-117.7	–	158	" / "
1020	–		"	7.63	350	9.34	11.57	-120.2	–	144	" / "
1023	–		"	7.62	351	9.29	11.51	-123.1	–	128	" / "
1026	–		"	7.61	354	9.25	11.47	-124.9	–	114	" / "
1029	–		"	7.60	356	9.27	11.33	-125.4	–	98	" / "

Sampling Flow Rate: 155 mL/min
Controler/Pump Settings: 4 CPM 140 PSI
Sample Identification: DNR7-061708-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1030
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
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: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 66°F OVERCAST

Well Identification: MW-3I
Water Level Before Pump Placement: 30.92 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1343	31.04	0.12	425								CLOUDY / NONE
1345	"	"	"	7.37	392	10.98	10.15	-164.7	–	207	" / "
1413	"	"	"	7.34	394	5.73	9.83	-174.6	–	57	" / "
1417	"	"	"	7.33	395	5.56	9.83	-174.8	–	37	" / "
1422	"	"	"	7.32	396	5.44	9.84	-174.8	–	31	Clear / "
1429	"	"	"	7.32	396	5.29	9.85	-175.0	–	21	" / "
1432	"	"	"	7.32	397	5.24	9.82	-175.1	–	18	" / "
1436	"	"	"	7.31	397	5.22	9.85	-175.1	–	17	" / "

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: MW3I-061808-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1440
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI MPS 556 (Rental) **Calibration Date:** 06.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: Heron Dipper-T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.18.08

EarthTech

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Printed Date: 3/25/2008

Project Number: 102777.04 Well Identification: MW 3I

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-	0.05	Mg/L	☒ Yes	
			☐ Yes	
Fe	1.39		☒ Yes	
			☐ Yes	
MN	0.4		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65° F OVERCAST

Well Identification: GW-12I
Water Level Before Pump Placement: [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1710			200								CLEAR/NONE
1741			"	9.71	168	5.56	10.23	-70.3	-	30	" / "
1745			"	9.50	186	5.37	10.22	-68.5	-	33	" / "
1748			"	9.39	200	5.36	10.24	-67.1	-	34	" / "
1751			"	9.25	220	5.29	10.21	-65.8	-	29	" / "
1755			"	9.26	226	5.26	10.20	-65.5	-	27	" / "
1800			"	9.27	234	5.24	10.22	-65.2	-	25	" / "

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: 3 CPM 220 PSI
Sample Identification: GW12I-061708-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1800
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (RENTAL) **Calibration Date:** 06.17.08
Second Meter Info: HACH 2100 P **Calibration Date:** 03.06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No:
Personnel: JY
Weather: 65° F OVERCAST

Well Identification: MW109D
Water Level Before Pump Placement: 44.27 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: - [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1220	44.27	0	315								CLOUDY / NONE
1310	-	"	"	7.44	394	6.01	10.42	-135.6	-	50	" / "
1314	-	"	"	7.41	402	5.90	10.35	-135.0	-	39	" / "
1318	-	"	"	7.41	410	5.75	10.36	-134.8	-	23	" / "
1322	-	"	"	7.38	413	5.66	10.33	-134.4	-	22	CLEAR / "
1325	-	-	"	7.38	414	5.62	10.34	-134.3	-	20	CLEAR / "

Sampling Flow Rate: 315 mL/min
Controler/Pump Settings: 3 CPM 160 PSI
Sample Identification: MW109D-061908-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1330
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06/17/08
Second Meter Info: **Calibration Date:**
Water Level Meter Info: Heron **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.17.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65°F OVERCAST

Well Identification: PW-9
Water Level Before Pump Placement: 42.72 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: 2" 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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0920	42.72	0	290								BROWN / NONE
0925	"	"	"	7.41	400	14.78	10.83	-57.1	-	963	" / "
0959	"	"	"	7.24	390	9.38	10.58	-47.4	-	55	CLOUDY / NONE
1003	"	"	"	7.21	390	9.26	10.65	-45.9	-	40	" / "
1008	"	"	"	7.24	390	9.07	10.41	-46.9	-	31	CLEAR / "
1012	"	"	"	7.23	390	8.90	10.70	-46.5	-	31	" / "

Sampling Flow Rate: 290 mL/min
Controler/Pump Settings: 3 CPM 130 PSI
Sample Identification: PW9-061809-JY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1015
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (RENTAL) **Calibration Date:** 06.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: HORIBA Dipper T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.18.08

EarthTech

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Printed Date: 3/25/2008

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777-04
Personnel: PR
Weather: CLOUDY 50° BREEZY

Well Identification: GW 25D
Water Level Before Pump Placement: <0.5' [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0915	<0.5'	?	200	[illegible]							SULPHUR
0925	"	"	"	~~10.18~~	596	0.87	10.18	38.5	0.29	4	ODOR
0930	"	"	"	7.07	596	0.79	10.23	34.4	0.29	2	
0935	"	"	"	7.08	596	0.74	10.25	33.1	0.29	3	
0940	"	"	"	7.08	596	0.82	10.28	31.0	0.29	2	
0945	"	"	"	7.08	596	0.79	10.29	30.0	0.29	2	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW25D-061808-PR
Sample Analysis: VOC+MNA+ FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0950
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-18-08
Water Level Meter Info: HERON (ET) **Calibration Date:** —

Comments: DEPTH TO WATER < LENGTH OF METAL PROBE COULD NOT MEASURE

Signature: _____ **Date:** 6-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW 25D

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^-	0.01		☐ Yes	9-12
			☐ Yes	
Fe^{2+}	0.96		☐ Yes	3-09
			☐ Yes	
Mn	0.40		☐ Yes	1-13
			☐ 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 Township
Client: Crysler
Project No: 102777-04
Personnel: PR
Weather: COOL CLOUDY BREEZY 55°

Well Identification: GW 25I
Water Level Before Pump Placement: <0.5' [feet btor]
Pump Intake Set At: Screen
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
USEPA Criteria		<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1025	<0.5'	<0.5'	200								
1035	"	"	"	7.02	558	0.53	10.33	13.7	27	4	
1040	"	"	"	7.02	557	0.47	10.32	14.1	27	3	
1045	"	"	"	7.02	557	0.49	10.33	13.9	27	3	
1050	"	"	"	7.02	557	0.46	10.35	13.2	27	2	
~~10~~											

Sampling Flow Rate: ≈200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW25I-061808-PR
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1055
QA/QC Sample Time: 1044

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☒ Field Blank ☐ Other:
QA/QC Sample Name: FB-3
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 (ET) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (ET) **Calibration Date:** 6-18-08
Water Level Meter Info: HORIBA (ET) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW 25I

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-	0.00	mg/L	☒ Yes	9-2012
			☐ Yes	
Fe	2.14		☒ Yes	3-2009
			☐ Yes	
Mn	0.5		☒ Yes	1-2013
			☐ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PRILEY
Weather: COOL 55° BREEZY CLOUDS

Well Identification: GW-24I
Water Level Before Pump Placement: 5.23 [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1245	5.23	—	175								NONE
1255	5.27	0.04	175	7.16	549	2.45	10.85	46.0	0.27	3	
1300	"	"	"	7.18	549	2.40	10.81	53.2	0.27	5	
1305	"	"	"	7.18	548	2.42	10.77	59.2	0.27	4	
1310	"	"	"	7.19	548	2.45	10.68	63.8	0.27	3	

Sampling Flow Rate: 175 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW24I-061808-PR
Sample Analysis: VOC+MNA+ FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1315
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-18-08
Water Level Meter Info: HERON (ET) **Calibration Date:** —

Comments:

Signature: Phillip Riley **Date:** 6-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW24I

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-	0.00	mg/L	☒ Yes	9-2012
			☐ Yes	
Fe	0.91		☒ Yes	3-2009
			☐ Yes	
Mn	0.4		☒ Yes	1-2013
			☐ 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 Township
Client: Crysler
Project No: 102777-04
Personnel: PRILEY
Weather: COOL CLOUDY BREEZY 50'S

Well Identification: GW 24D
Water Level Before Pump Placement: 2.36 [feet btor]
Pump Intake Set At: SCREEN
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1330	2.36	—	125								NONE
1340	2.57	0.21	125	7.17	579	1.05	12.02	78.3	0.28	3	
1345	"	"	"	7.15	582	0.85	11.99	79.9	0.28	3	
1350	"	"	"	7.14	585	0.66	11.91	81.8	0.29	2	
1355	"	"	"	7.13	587	0.63	11.88	83.0	0.29	5	
1400	"	"	"	7.13	588	0.62	11.72	83.8	0.29	4	
1405	"	"	"	7.13	588	0.59	11.68	84.3	0.29	5	

Sampling Flow Rate: 125 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW 24D-061808-PR
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1410
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-18-08
Water Level Meter Info: HERON (ET) **Calibration Date:** —

Comments:

Signature: Phillip Riley **Date:** 6-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW24D

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⁻	0.01	mg/L	☒ Yes	9-2012
			☐ Yes	
Fe	0.53		☒ Yes	3-2009
			☐ Yes	
Mn	0.0		☒ Yes	1-2013
			☐ 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 Township
Client: Crysler
Project No: 102777-04
Personnel: PR
Weather: COOL BREEZY CLOUDY

Well Identification: GW 26 I
Water Level Before Pump Placement: 13.62 [feet btor]
Pump Intake Set At: SCREEN
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
USEPA Criteria	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1500	13.62	—	100								NONE
1510	13.90	0.28	"	7.14	573	0.79	11.63	48.7	0.28	4	
1515	"	"	"	7.12	572	0.45	11.58	35.6	0.28	5	
1520	"	"	"	7.11	572	0.40	11.51	29.7	0.28	3	
1525	"	"	"	7.11	572	0.35	11.42	26.7	0.28	3	
1530	"	"	"	7.11	572	0.32	11.37	23.7	0.28	3	
1535	"	"	"	7.10	572	0.29	11.36	22.5	0.28	3	
1540				7.11	572	0.27	11.40	21.5	0.28	4	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW26I-061808-PR
Sample Analysis: VOC+MNA+FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1545
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-18-08
Water Level Meter Info: HERON (ET) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW 26I

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-	0.05	mg/L	☐ Yes	
			☐ Yes	
Fe	2.45		☐ Yes	
			☐ Yes	
Mn	1.2		☐ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR
Weather: COOL CLOUDS BREEZY

Well Identification: GW26D
Water Level Before Pump Placement: 10.61 [feet btor]
Pump Intake Set At: screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1605	10.61	—	175								NONE
1615	10.66	0.05	"	7.33	531	0.72	10.85	-26.4	0.26	3	
1620	"	"	"	7.36	531	0.56	10.83	-34.5	0.26	2	
1625	"	"	"	7.39	532	0.65	10.86	-38.7	0.26	2	
1630	"	"	"	7.42	533	0.69	10.99	-43.7	0.26	2	
1635	"	"	"	7.43	537	0.71	11.04	-44.5	0.26	2	
1640	"	"	"	7.44	540	0.71	11.02	-44.9	0.26	2	

Sampling Flow Rate: mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW26D-061808-PR
Sample Analysis: VOC+MNA+FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1645
QA/QC Sample Time: 1655

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW26R-061808-PR
QA/QC Sample Analysis: VOC+MNA+FIELD
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-18-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-18-08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 6-18-08

EarthTech

Project Number: 102777-04 Well Identification: GW 26D

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-	0.03	Mg/L	☒ Yes	
			☐ Yes	
Fe	2.86		☒ Yes	
			☐ Yes	
MN	1.9		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 71° F Partly cloudy

Well Identification: DNR-4D
Water Level Before Pump Placement: 4.22 [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERASTALTIC

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1445	4.30	0.08	100								CLEAR / NONE
1500	7.91	3.69	"	7.65	512	0.22	11.96	-15.6	0.25	3	" / "
1505	8.53	4.31	"	7.58	512	0.20	11.90	-15.7	0.25	2	" / "
1510	9.93	5.71	"	7.72	512	0.19	11.71	-14.7	0.25	2	" / "
1515	10.92	6.70	"	7.73	512	0.17	11.46	-13.7	0.25	2	" / "
1520	12.50	8.28	"	7.72	511	0.16	11.87	-14.3	0.25	2	" / "

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: DNR4D-061908-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1525
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.19.08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:**
Water Level Meter Info: HERON DIPPER-T (CTI) **Calibration Date:**

Comments: Very SLOW RECHARGE, PUMP AT LOWEST SPEED

Signature: [signature] **Date:** 06.19.08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 3/25/2008

Project Number: _____ **Well Identification:** _____

Other Field Parameters

Required per the Sampling Plan: ☒ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s): 01

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
SULFIDE	0.38	mg/L	☒ Yes	
Mn	0.10	mg/L	☒ Yes	
Fe	0.38	mg/L	☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 72° F PARTLY CLOUDY

Well Identification: GW-4D
Water Level Before Pump Placement: TOC [feet btor]
Pump Intake Set At:
Headspace Reading/Lamp: [ppm] [eV]
Sampling Pump Type: PERASTALT IC

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1335	TOC	0	300								CLEAR / NONE
1346	"	"	"	7.30	581	0.20	10.86	5.7	28	11	" / "
1351	"	"	"	7.28	578	0.20	10.80	3.9	28	9	" / "
1355	"	"	"	7.25	576	0.20	10.91	4.7	28	9	" / "
~~1350~~ 1400	"	"	"	7.26	576	0.20	10.75	5.5	28	7	" / "

Sampling Flow Rate: 300 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW4D-061908-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1405
QA/QC Sample Time: 1410

QA/QC Sample Type: ☐ Duplicate ☒ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW4D-MS/MSD-061908-JY
QA/QC Sample Analysis: MNA
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.19.08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:**
Water Level Meter Info: B **Calibration Date:**

Comments:

Signature: John Yandrich **Date:** 06.19.08

EarthTech

Project Number: _____ **Well Identification:** MW 4D

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⁻	0.09	mg/L	☒ Yes	
			☐ Yes	
Fe	2.18		☒ Yes	
			☐ Yes	
MP	0.0		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 65°F OVERCAST

Well Identification: DNR-5
Water Level Before Pump Placement: 1.79 [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 CLE
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0930	2.34	0.55	120								CLEAR / NONE
1000	"	"	"	7.12	518	0.19	10.73	13.1	0.21	18	
1005				7.12	518	0.15	10.78	17.9	0.25	14	
1010				7.14	519	0.17	10.85	19.1	0.25	14	
1015				7.15	519	0.16	11.02	20.0	0.25	13	
1020				7.16	519	0.14	11.11	19.8	0.25	12	

Sampling Flow Rate: 125 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: DNR5-061808-PR
Sample Analysis: VOC ONLY
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1025
QA/QC Sample Time: 1030

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 MPS (CTI) Calibration Date: 06.19.08
Second Meter Info: HACH 2100P (CTI) Calibration Date:
Water Level Meter Info: Heron Dipper T (CTI) Calibration Date:

Comments: VERY SLOW RECHARGE - PUMP AT LOWEST RATE

Signature: [signature] Date: 06.19.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 80°F PARTLY CLOUDY

Well Identification: MW-107 I
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At: –
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
USEPA Criteria		<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1645	–	–	–								CLEAR / "
1655	–	–	–	7.16	583	0.37	9.78	27.0	0.28	0	" / "
1700	–	–	–	7.18	583	0.31	9.68	23.1	0.28	0	" / "
1705	–	–	–	7.18	580	0.28	9.74	20.4	0.28	0	" / "
1710	–	–	–	7.16	579	0.25	9.76	21.2	0.28	0	" / "
1715	–	–	–	7.14	578	0.23	9.84	22.1	0.28	0	" / "
1720				7.10	578	0.23	9.97	23.0	0.28	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: MW107 I-062008-JY
Sample Analysis: VOC
Field Filtered Analysis: –
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1725
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.20.08
Second Meter Info: HACH 2100 P **Calibration Date:** 06.20.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.20.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: SY
Weather: 80°F PARTLY CLOUDY

Well Identification: GW-1I
Water Level Before Pump Placement: ARTESIAN [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
USEPA Criteria		<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1415	-	-	ART.								CLEAR / NONE
1435	-	-	"	7.53	416	6.90	24.84	-199.1	-	40	" "
1440	-	-	"	7.55	416	7.05	24.16	-200.2	-	37	" "
1445	-	-	"	7.54	415	7.21	23.27	-200.9	-	31	" "
1450	-	-	"	7.53	414	7.42	22.20	-202.0	-	30	" "
1455	-	-	"	7.56	414	7.38	22.20	-205.9	-	29	" "
1500	-	-	"	7.57	414	7.22	22.21	-208.2	-	28	" "
1505	-	"	"	7.59	414	7.15	22.22	-211.9	-	28	" "
1510	-	-	"	7.58	414	7.22	21.96	-211.5	-	26	" "

Sampling Flow Rate: - mL/min
Controler/Pump Settings: - CPM - PSI
Sample Identification: GW1I-062008-SY
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1515
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06.20.08
Second Meter Info: HACH 2100P **Calibration Date:** 06.20.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.20.08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777-04
Personnel: PRICE
Weather: CLEAR BREEZY 75°

Well Identification: GW 6I
Water Level Before Pump Placement: N.O.C. [feet btor]
Pump Intake Set At: — SCREEN
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: WEAK ARTESIAN

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1400	0.0	0.0	300								NONE
1410	"	"	"	7.21	502	0.14	11.60	20.8	0.24	2	
1415	"	"	"	7.26	505	0.11	10.76	19.3	0.24	1	
1420	"	"	"	7.22	502	0.11	10.60	22.2	0.24	2	
1425	"	"	"	7.23	502	0.10	10.66	22.2	0.24	2	
1430	"	"	"	7.22	502	0.09	10.73	23.3	0.24	1	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW6I-062008-PR
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1435
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-2008
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-2008
Water Level Meter Info: **Calibration Date:**

Comments: WELL IS LISTED AS "STRONG ARTESIAN" ON SAMPLING LIST . . . . WEAK ARTESIAN

Signature: _____ **Date:** 6-20-08

EarthTech

Project Number: _____ **Well Identification:** _____

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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 70°F P. CLOUDY

Well Identification: GW-203
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At: –
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1030	–	–	–								CLEAR / NONE
1102	–	–	–	7.03	592	0.16	10.01	35.6	0.29	0	" / "
1105	–	–	–	7.04	593	0.15	10.00	35.2	0.29	0	" / "
1108	–	–	–	7.05	592	0.11	9.97	34.7	0.29	0	" / "
1111	–	–	–	7.07	593	0.12	10.01	34.3	0.29	0	" / "
1115	–	–	–	7.09	593	0.11	10.01	33.7	0.29	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW203-062308-JY
Sample Analysis: MNA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1120
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.23.08
Second Meter Info: HACH 2100 P (CTI) **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments: 5-PLUG DOES NOT PROPERLY PLUG RISER

Signature: [signature] **Date:** 06.23.08

EarthTech

Project Number: _____ **Well Identification:** _____

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⁻	0.002	mg/L	☒ Yes	
Fe	1.68	mg/L	☒ Yes	
Mn	0.4	mg/L	☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 70° F P. CLOUDY

Well Identification: GW-19D
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At: –
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
USEPA Criteria	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0912	–	–	–								CLEAR / NONE
0939	–	–	–	7.01	558	0.51	10.83	35.5	0.27	1	" / "
0942	–	–	–	7.01	559	0.46	10.83	34.7	0.27	0	" / "
0946	–	–	–	7.03	558	0.37	10.87	33.2	0.27	0	" / "
0949	–	–	–	7.05	558	0.31	10.89	32.2	0.27	0	" / "
0952	–	–	–	7.06	559	0.30	10.82	31.2	0.27	0	" / "
0957	–	–	–	7.07	559	0.23	10.82	30.4	0.27	0	" / "
1002	–	–	–	7.07	559	0.21	10.80	29.4	0.27	0	" / "
1005	–	–	–	7.07	559	0.19	10.78	29.1	0.27	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW19D-062308-JY
Sample Analysis: MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1010
QA/QC Sample Time: \

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:**
Second Meter Info: HACH 2100P (CTI) **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: John Yanchula **Date:** 06.23.08

EarthTech

0.0 51 .10 .57

Project Number: _____ **Well Identification:** GW 19D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

	Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
	5	0.0	mg/L	☒ Yes	5-11
Method(s):				☐ Yes	
	FC	1.96		☒ Yes	4-2012
Meter(s) Info:				☐ Yes	
	MH	0.7		☒ Yes	1-2013
Meter(s) Calibration Date(s):				☐ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 72° F P. CLOUDY

Well Identification: GW-21S
Water Level Before Pump Placement: – [feet btor]
Pump Intake Set At: –
Headspace Reading/Lamp: – [ppm] [eV]
Sampling Pump Type: ARTESIAN

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1220	–	–	–								CLEAR / NONE
1250	–	–	–	7.21	592	0.20	10.63	29.0	0.29	2	" / "
1255	–	–	–	7.19	592	0.18	10.74	28.8	0.29	0	" / "
1300	–	–	–	7.19	593	0.17	10.61	28.7	0.29	0	" / "
1305	–	–	–	7.19	592	0.15	10.59	28.5	0.29	0	" / "
1310	–	–	–	7.21	592	0.09	10.62	28.4	0.29	0	" / "
1314	–	–	–	7.22	592	0.10	10.57	28.2	0.29	0	" / "
1319	–	–	–	7.22	591	0.10	10.64	28.2	0.29	0	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW21S-062308-SY
Sample Analysis: VOC, MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1320
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS (CTI) **Calibration Date:** 06.23.08
Second Meter Info: HACH 2100 P (CTI) **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:**

EarthTech

Project Number: _____ **Well Identification:** GW21S

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⁻	0.02	mg/L	☒ Yes	5-2011
			☐ Yes	
Fe	1.51		☒ Yes	4-2012
			☐ Yes	
Mn	0.01		☒ Yes	1-2013
			☐ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: JY
Weather: 75°F P CLOUDY

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

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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1320	–	–	–								CLEAR / NONE
1330	–	–	–	7.36	501	0.05	10.34	16.0	0.24	32	" / "
1335	–	–	–	7.37	501	0.06	10.33	14.6	0.24	7	" / "
1340	–	–	–	7.36	502	0.06	10.38	13.8	0.24	4	" / "
1344	–	–	–	7.36	502	0.05	10.34	13.2	0.24	3	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW21D-062308-JY
Sample Analysis: VOC, MNA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1345
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 MPS **Calibration Date:** 06.23.08
Second Meter Info: HACH 2100P **Calibration Date:** 06.23.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 06.23.08

EarthTech

Project Number: _____ **Well Identification:** GW 21D

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	0.01	Mg/L	☒ Yes	
			☐ Yes	
Fe	1.17		☒ Yes	
			☐ Yes	
Mn	0.3		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: ~~JT~~ PR
Weather: SUNNY 75° BREEZY

Well Identification: GW-16
Water Level Before Pump Placement: 14.20 [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1154	14.20	—	200								
1200	14.22	0.02	"	8.06	457	2.48	11.19	154.3	0.22	1	NONE
1205	"	"	"	8.03	454	2.65	11.30	148.3	0.22	0	
1210	"	"	"	8.04	453	2.77	11.57	146.4	0.22	0	
1215	"	"	"	8.04	452	2.90	11.72	140.2	0.22	0	

Sampling Flow Rate: ≈ 200 mL/min
Controler/Pump Settings: — CPM PSI
Sample Identification: GW16-061608-PR
Sample Analysis: VOC + MNA
Field Filtered Analysis: NO
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1220
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-16-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-16-08
Water Level Meter Info: HERON (CTI) **Calibration Date:** —

Comments:

Signature: Philip Riley **Date:** 6-16-08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: PRILET CTI JY
Weather: 70° BREEZY PCLOUDY

Well Identification: DNR 1
Water Level Before Pump Placement: TOC [feet btor]
Pump Intake Set At: SCREEN
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1255	0	0	150								
1305	"	"	"	7.46	519	1.19	11.03	25.0	0.25	0	NONE
1310	"	"	"	7.42	520	0.85	11.00	20.0	0.25	0	
1315	"	"	"	7.39	520	0.54	11.18	15.8	0.25	0	
1320	"	"	"	7.39	519	0.47	11.29	15.6	0.25	0	
1325	"	"	"	7.38	520	0.30	10.93	12.9	0.25	0	
1330	"	"	"	7.37	519	0.28	10.86	11.6	0.25	0	
1335	"	"	"	7.37	519	0.26	10.83	11.0	0.25	0	
1340	"	"	"	7.38	520	0.25	10.77	10.5	0.25	0	

Sampling Flow Rate: ≈150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: DNR1-061608-PR
Sample Analysis: VOC + MNA
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1345
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-16-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-16-08
Water Level Meter Info: HERRON (CTI) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-16-08

EarthTech

	[illegible]	[illegible]
S^{--}	✓	0.12 mg/L
Mn	✓	1.6 mg/L
Fe	✓	0.8 mg/L

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: ~~JT~~ PR
Weather: 70° Breezy Partly Cloudy

Well Identification: DNR-3
Water Level Before Pump Placement: TOC [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1420	0	0	200								
1430	"	"	"	7.37	501	0.65	10.58	26.5	0.24	0	
1435	"	"	"	7.28	543	0.29	10.44	24.6	0.26	0	
1440	"	"	"	7.26	548	0.27	10.37	24.3	0.27	0	
1445	"	"	"	7.26	550	0.26	10.43	22.8	0.27	0	
1450	"	"	"	7.25	552	0.27	10.54	21.1	0.27	0	

Sampling Flow Rate: 2x100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: DNR3-061608-PR
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1455
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis:
Meter Info: YSI 556 CTI **Calibration Date:** 6-16-08
Second Meter Info: HACH 2100P **Calibration Date:** 6-16-08
Water Level Meter Info: ~~HC~~ **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-16-08

EarthTech

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

Site: Rose Township
Client: Crysler
Project No: 102777.04
Personnel: PR
Weather: CLOUDS 55° BREEZY

Well Identification: GW-22S
Water Level Before Pump Placement: 22.04 [feet btor]
Pump Intake Set At: SCREEN
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
0845	22.28	0.24	100								S OOOR
0855	22.28	0.24	"	7.45	551	0.42	11.31	45.5	0.27	1	
0900	"	"	"	7.43	550	0.20	11.49	27.0	0.27	1	
0905	"	"	"	7.45	550	0.18	11.51	21.5	0.27	1	
0910	"	"	"	7.44	550	0.14	11.46	17.6	0.27	0	
0915	"	"	"	7.45	550	0.11	11.52	12.0	0.27	0	
0920	"	"	"	7.45	551	0.12	11.59	7.1	0.27	0	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW22S-061708-PR
Sample Analysis: VOC+MNA
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0925
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-17-08
Water Level Meter Info: HERON (CTI) **Calibration Date:** —

Comments:

Signature: P Riley **Date:** 6-17-08

EarthTech

Project Number: 102777.04 Well Identification: MW-22S

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-	0.02	mg/L	☑ Yes	
			☐ Yes	
Fe	0.69	mg/L	☑ Yes	
			☐ Yes	
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 Township
Client: Crysler
Project No: 102777-04
Personnel: PR
Weather: CLOUDY 55° BREEZY

Well Identification: ~~18~~ GW-22I
Water Level Before Pump Placement: 18.88 [feet btor]
Pump Intake Set At: SCREEN
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1005	18.88	0.0	300								NONE
1015	"	"	"	7.19	576	0.11	10.84	1.7	0.28	0	
1020	"	"	"	7.18	576	0.10	10.87	-3.7	0.28	0	
1025	"	"	"	7.19	576	0.09	10.87	-7.6	0.28	0	
1030	"	"	"	7.19	576	0.06	10.88	-9.7	0.28	0	

Sampling Flow Rate: ≈200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW22I-061708-PR
Sample Analysis: VOC+MNA+ FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1035
QA/QC Sample Time: 1022

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☒ Field Blank ☐ Other:
QA/QC Sample Name: FB-2
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-17-08
Water Level Meter Info: HERON (CTI) **Calibration Date:** —

Comments:

Signature: PR **Date:** 6-17-08

EarthTech

Project Number: 102777.09 **Well Identification:** GW-22I

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-	0.09	mg/L	☒ Yes	
			☐ Yes	
Fe	2.01	mg/L	☒ Yes	
			☐ Yes	
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 Township
Client: Crysler
Project No:
Personnel: PR
Weather: CLOUDS, 60° Breezy

Well Identification: GW-22D
Water Level Before Pump Placement: 10.19 [feet btor]
Pump Intake Set At: screen
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
USEPA Criteria		<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1118	10.19	0.03	200								NONE
1130	10.22	0.03	200	7.53	589	0.13	10.76	-65.2	0.29		
1135	"	"	"	7.53	589	0.09	10.70	-68.0	0.29		
1140	"	"	"	7.54	589	0.09	10.70	-71.5	0.29		
1145	"	"	"	7.54	589	0.08	10.74	-76.2	0.29		
1150	"	"	"	7.54	590	0.08	10.68	-79.4	0.29		

Sampling Flow Rate: ≈200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW22D-061708-PR
Sample Analysis: VOC+MNA+FIELD
Field Filtered Analysis: NONE
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1155
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (ETI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (ETI) **Calibration Date:** 6-17-08
Water Level Meter Info: HERON (ETI) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-17-08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 3/25/2008

Project Number: 102777.04 Well Identification: GW 22D

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⁻	0.36	Mg/L	☒ Yes	
			☐ Yes	
Fe²⁺	0.24		☒ Yes	
			☐ Yes	
MN	0.0		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR
Weather: CLOUDS BREEZY 55°

Well Identification: GW-23D
Water Level Before Pump Placement: 5.02 [feet btor]
Pump Intake Set At: Screen
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
USEPA Criteria		<0.3 ft	100 - 600	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1220	5.02	~~5.23~~	≈110								SULPHUR
1230	5.23	0.21	"	7.57	572	0.12	11.41	-112.2	0.28	1	ODOR
1235	"	"	"	7.55	573	0.10	11.38	-115.5	0.28	1	
1240	"	"	"	7.52	572	0.09	11.22	-116.4	0.28	1	
1245	"	"	"	7.53	570	0.08	11.65	-118.0	0.28	1	
1250	"	"	"	7.52	572	0.08	11.47	-118.3	0.28	1	

Sampling Flow Rate: ≈110 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23D-061708-PR
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1255
QA/QC Sample Time: NONE

~~**QA/QC Sample Type:**~~ ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: NONE
QA/QC Sample Analysis:
Meter Info: 451556 (CTI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-17-08
Water Level Meter Info: HERON (CTI) **Calibration Date:** —

Comments:

Signature: Phillip Riley **Date:** 6-17-08

EarthTech

Project Number: 102777.04 **Well Identification:** MW-23D

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⁻	1.60	mg/L	☒ Yes	
			☐ Yes	
Fe²⁺	0.14		☒ Yes	
			☐ Yes	
MN	0.4		☒ 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 Township
Client: Crysler
Project No: 102777.04
Personnel: PR
Weather: CLOUDS SPRINKLES 55° BREEZY

Well Identification: GW-23S
Water Level Before Pump Placement: 6.32 [feet btor]
Pump Intake Set At: Screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1320	6.32	—	≈250								NONE
1330	6.37	0.05	250	7.25	545	0.12	10.61	-87.8	0.27	5	
1340	"	"	"	7.25	558	0.08	10.67	-84.2	0.27	1	
1345	"	"	"	7.21	559	0.05	10.67	-81.8	0.28	1	
1350	"	"	"	7.15	571	0.05	10.67	-80.8	0.28	2	
1355	"	"	"	7.19	576	0.06	10.69	-76.7	0.28	1	

Sampling Flow Rate: ≈ 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23S-061708-PR
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1400
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-17-08
Water Level Meter Info: HERON 300' (CTI) **Calibration Date:** —

Comments:

Signature: Philip Ryan **Date:** 6-17-08

EarthTech

Project Number: 102 777.04 Well Identification: GW 235

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-	0.02	mg/L	☒ Yes	
			☐ Yes	
Fe2+	1.13		☒ Yes	
			☐ Yes	
MV	0.3		☒ 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 Township
Client: Crysler
Project No:
Personnel: PR
Weather: BREEZY 60° CLOUDS

Well Identification: GW23I
Water Level Before Pump Placement: 6.85 [feet btor]
Pump Intake Set At: screen
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
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1430	6.85	—	175								SULPHUR
1440	6.90	0.05	175	7.62	586	0.15	11.11	-129.1	0.29	7	ODOR
1445	"	"	"	7.60	587	0.11	11.12	-132.0	0.29	6	
1450	"	"	"	7.56	586	0.09	11.22	-132.8	0.29	3	
1455	"	"	"	7.52	589	0.07	11.12	-131.1	0.29	2	
1500	"	"	"	7.50	590	0.07	11.15	-129.6	0.29	2	

Sampling Flow Rate: 175 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23I-061708-PR
Sample Analysis: VOC+ MNA+ FIELD
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1505
QA/QC Sample Time: NONE

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: YSI 556 (CTI) **Calibration Date:** 6-17-08
Second Meter Info: HACH 2100P (CTI) **Calibration Date:** 6-17-08
Water Level Meter Info: HORM (CTI) **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 6-17-08

EarthTech

Project Number: _____ **Well Identification:** GW 23P

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-	1.00	mg/L	☒ Yes	
			☐ Yes	
Fe2+	0.20	"	☒ Yes	
			☐ Yes	
MN	0.0	"	☒ 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

TriMatrix Laboratories, Inc.

June 27, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806358	06/17/2008	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 34.

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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:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW4-061608-JY**	Sampled:	06/16/08 10:10
Lab Sample ID:	**0806358-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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

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Individual sample results relate only to the sample tested.
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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW4-061608-JY**	Sampled:	06/16/08 10:10
Lab Sample ID:	**0806358-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	98	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW1-061608-JY**	Sampled:	06/16/08 11:25
Lab Sample ID:	**0806358-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**13**	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	**4.4**	1.0
75-34-3	1,1-Dichloroethane	**1.7**	1.0
156-59-2	cis-1,2-Dichloroethene	**32**	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

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW1-061608-JY**	Sampled:	06/16/08 11:25
Lab Sample ID:	**0806358-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	102	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW6-061608-JY**	Sampled:	06/16/08 13:05
Lab Sample ID:	**0806358-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**9.1**	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	**11**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW6-061608-JY**	Sampled:	06/16/08 13:05
Lab Sample ID:	**0806358-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	99	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW3-061608-JY**	Sampled:	06/16/08 13:05
Lab Sample ID:	**0806358-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**2.6**	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	**25**	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	**46**	1.0
100-41-4	Ethylbenzene	**6.2**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW3-061608-JY**	Sampled:	06/16/08 13:05
Lab Sample ID:	**0806358-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	**14**	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	96	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW16-061608-PR**	Sampled:	06/16/08 12:20
Lab Sample ID:	**0806358-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW16-061608-PR**	Sampled:	06/16/08 12:20
Lab Sample ID:	**0806358-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	103	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-061608-PR**	Sampled:	06/16/08 13:45
Lab Sample ID:	**0806358-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**47**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-061608-PR**	Sampled:	06/16/08 13:45
Lab Sample ID:	**0806358-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-061608-PR**	Sampled:	06/16/08 13:45
Lab Sample ID:	**0806358-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	102	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR1-061608-PR**	Sampled:	06/16/08 13:45
Lab Sample ID:	**0806358-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/18/08	CAM	0807222
Chloride	**1.7**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.25**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807265
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807258
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**3.0**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR3-061608-PR**	Sampled:	06/16/08 14:55
Lab Sample ID:	**0806358-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR3-061608-PR**	Sampled:	06/16/08 14:55
Lab Sample ID:	**0806358-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	101	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1-061608-PR**	Sampled:	06/16/08 16:15
Lab Sample ID:	**0806358-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**3.1**	1.0
156-59-2	cis-1,2-Dichloroethene	**3.3**	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	**1.2**	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	**38**	1.0
100-41-4	Ethylbenzene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1-061608-PR**	Sampled:	06/16/08 16:15
Lab Sample ID:	**0806358-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	103	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW10-061608-PR**	Sampled:	06/16/08 16:50
Lab Sample ID:	**0806358-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**58**	1.0
74-85-1	Ethylene	<2.0	2.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW10-061608-PR**	Sampled:	06/16/08 16:50
Lab Sample ID:	**0806358-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**1.1**	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	**52**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**22**	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	**120**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW10-061608-PR**	Sampled:	06/16/08 16:50
Lab Sample ID:	**0806358-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	100	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW10-061608-PR**	Sampled:	06/16/08 16:50
Lab Sample ID:	**0806358-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/18/08	CAM	0807222
Chloride	**4.7**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.075**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807265
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807258
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.0**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1R-061608-PR**	Sampled:	06/16/08 17:00
Lab Sample ID:	**0806358-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**69**	1.0
74-85-1	Ethylene	<2.0	2.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1R-061608-PR**	Sampled:	06/16/08 17:00
Lab Sample ID:	**0806358-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	**1.1**	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	**53**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**23**	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	**120**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1R-061608-PR**	Sampled:	06/16/08 17:00
Lab Sample ID:	**0806358-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10
Unit:	ug/L	Prepared:	06/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807572	Analytical Batch:	8062430

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	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806358**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW1R-061608-PR**	Sampled:	06/16/08 17:00
Lab Sample ID:	**0806358-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/17/08 10:10

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807265
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/17/08	CKD	0807258
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/18/08	CAM	0807222
Chloride	**4.8**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.080**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**3.1**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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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: 0807443 Direct Injection/RSK-175								
Method Blank						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane			<1.0					1.0
Methane			<0.50					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane		19.1	**16.9**	88	76-125			1.0
Methane		9.42	**8.32**	88	74-126			0.50
Ethylene		26.4	**23.3**	88	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane		19.1	**16.8**	88	76-125	0.4	20	1.0
Methane		9.42	**8.31**	88	74-126	0.1	20	0.50
Ethylene		26.4	**23.2**	88	79-121	0.2	20	1.0
Duplicate 0806358-06 DNR1-061608-PR						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane	0.270		**0.270**			0	20	1.0
Methane	47.0		**43.7**			7	20	0.50
Ethylene	0.380		**0.380**			0	20	1.0

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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: 0807572 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8062430

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			**2.46**				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	

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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: 0807572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)						Analyzed:	06/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062430	
1,2,3-Trichlorobenzene			<1.0				1.0	
Surrogates								
Dibromofluoromethane				99	*88-115*			
1,2-Dichloroethane-d4				101	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				99	*78-116*			
Laboratory Control Sample						Analyzed:	06/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062430	
Chloromethane		40.0	**36.4**	91	68-130		1.0	
Vinyl Chloride		40.0	**37.0**	93	73-130		1.0	
Bromomethane		40.0	**41.9**	105	56-140		1.0	
Chloroethane		40.0	**38.0**	95	71-130		1.0	
1,1-Dichloroethene		40.0	**39.3**	98	81-125		1.0	
Acetone		40.0	**39.0**	97	52-134		5.0	
Carbon Disulfide		40.0	**39.1**	98	74-133		5.0	
*Methylene Chloride		40.0	**36.8**	92	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**42.3**	106	85-121		1.0	
1,1-Dichloroethane		40.0	**41.3**	103	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**42.5**	106	84-121		1.0	
2-Butanone (MEK)		40.0	**39.6**	99	60-134		5.0	
Chloroform		40.0	**41.4**	104	86-120		1.0	
1,1,1-Trichloroethane		40.0	**41.8**	105	81-123		1.0	
Carbon Tetrachloride		40.0	**37.0**	93	80-126		1.0	
Benzene		40.0	**41.6**	104	86-120		1.0	
1,2-Dichloroethane		40.0	**41.4**	104	78-121		1.0	
Trichloroethene		40.0	**42.6**	106	80-122		1.0	
1,2-Dichloropropane		40.0	**41.2**	103	77-125		1.0	
Bromodichloromethane		40.0	**43.8**	110	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**38.5**	96	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**41.7**	104	57-134		5.0	
Toluene		40.0	**41.6**	104	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**38.0**	95	70-125		1.0	
1,1,2-Trichloroethane		40.0	**42.0**	105	86-123		1.0	
Tetrachloroethene		40.0	**41.2**	103	85-115		1.0	
2-Hexanone		40.0	**42.6**	106	53-137		5.0	

Continued on next page

*See Statement of Data Qualifications

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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: 0807572 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	06/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062430	
Dibromochloromethane		40.0	**37.5**	94	77-114		1.0	
Chlorobenzene		40.0	**40.8**	102	88-114		1.0	
Ethylbenzene		40.0	**40.6**	102	86-116		1.0	
Xylene (Total)		120	**123**	102	88-115		3.0	
Tetrahydrofuran		40.0	**42.4**	106	60-122		10	
Styrene		40.0	**42.4**	106	81-115		1.0	
Bromoform		40.0	**36.1**	90	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**39.5**	99	81-127		1.0	
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				102	*78-116*			

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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: 0807222 (General Inorganic Prep)							Analyzed: 06/18/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**232**	mg/L	97	91-110			2.0
0806358-09 RW10-061608-PR									
Matrix Spike	317	238	**528**	mg/L	89	78-117			2.0
Duplicate	317		**284**	mg/L			11	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807557 (General Inorganic Prep)							Analyzed: 06/24/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.7**	mg/L	92	88-108			1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
0806358-06 DNR1-061608-PR									
Matrix Spike	1.68	50.0	**53.8**	mg/L	104	72-125			1.0
Matrix Spike Duplicate	1.68	50.0	**53.9**	mg/L	105	72-125	0.3	20	1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807321 (General Inorganic Prep)							Analyzed: 06/19/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.500	**0.480**	mg/L	96	90-110			0.050
0806358-06 DNR1-061608-PR									
Matrix Spike	0.245	0.500	**0.708**	mg/L	93	90-110			0.050
Matrix Spike Duplicate	0.245	0.500	**0.701**	mg/L	91	90-110	1	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807258 (Method-Specific Preparation)							Analyzed: 06/17/2008 By: CKD		
Method Blank			<0.050	mg/L					0.050

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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, Nitrate**/USEPA-353.2 (Continued)								
QC Batch: 0807258 (Continued) (Method-Specific Preparation)							Analyzed: 06/17/2008 By: CKD		
Laboratory Control Sample		0.500	**0.457**	mg/L	91	90-110			0.050
0806358-06 DNR1-061608-PR									
Matrix Spike	<0.050	0.500	**0.499**	mg/L	100	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.496**	mg/L	99	90-110	0.7	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807265 (Method-Specific Preparation)							Analyzed: 06/17/2008 By: CKD		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.514**	mg/L	103	90-110			0.050
0806358-06 DNR1-061608-PR									
Matrix Spike	<0.050	0.500	**0.519**	mg/L	104	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.510**	mg/L	102	90-110	2	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0
0806358-06 DNR1-061608-PR									
Matrix Spike	2.98	20.0	**24.1**	mg/L	106	61-156			5.0
Matrix Spike Duplicate	2.98	20.0	**24.3**	mg/L	107	61-156	0.9	20	5.0

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STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program. No Qualifications required.

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Chain of Custody Record

COC No. **124900**

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Cart: 9

VOA Rack/Tray: 716-329 White

Receipt Log No.: 19-5

Project Chemist: [illegible]

Laboratory Project No.: E-0806358

Client Name: EARTH TECH

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP

Client Project No./P.O. No.: 102777.04

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested

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): VOC, AMMONIA, NITRATE/NITRITE, SULFATE, CHLORIDE, TOC, ALKALINITY, METHANE, ETHANE, ETENE

Number of Containers Submitted: 9, 3, 11, 10 gray

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	P	Total	Sample Comments
01		01	1 PW4-061608-JY	1884	06/16	1010		X	GW	2	2	
↓		02	2 PW1-061608-JY	1884	06/16	1125		X	GW	2	2	
↓		03	3 PW6-061608-JY	1884	06/16	1305		X	GW	2	2	
↓		04	4 PW3-061608-JY	1884	06/16	1420		X	GW	2	2	
↓		05	5 GW16-061608-PR	1884	06/16	1220		X	GW	2	2	
02		06	6 DNR1-061608-PR	1884	06/16	1345		X	GW	2	9	
01		07	7 DNR3-061608-PR	1884	06/16	1455		X	GW	2	2	
↓		08	8 RW1-061608-PR	1884	06/16	1615		X	GW	2	2	
02		09	9 RW10-061608-PR	1884	06/16	1645 50		X	GW	2	9	
↓		10	10 RW1R-061608-PR	1884	06/16	1700		X	GW	2	9	

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

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
[signature]	06/16/08	1900						
1. Received By	Date		2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	6-17-08	10:10

Fed ex

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

June 30, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806383	06/18/2008	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 61.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-061708-JY**	Sampled:	06/17/08 09:15
Lab Sample ID:	**0806383-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**8.7**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-061708-JY**	Sampled:	06/17/08 09:15
Lab Sample ID:	**0806383-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	**1.2**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**2.2**	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

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-061708-JY**	Sampled:	06/17/08 09:15
Lab Sample ID:	**0806383-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	101	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-061708-JY**	Sampled:	06/17/08 09:15
Lab Sample ID:	**0806383-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**5.2**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.16**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-061708-JY**	Sampled:	06/17/08 10:30
Lab Sample ID:	**0806383-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**75**	1.0
74-85-1	Ethylene	**12**	2.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-061708-JY**	Sampled:	06/17/08 10:30
Lab Sample ID:	**0806383-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	**100**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**9.4**	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	**22**	1.0
75-34-3	1,1-Dichloroethane	**9.6**	1.0
156-59-2	cis-1,2-Dichloroethene	**110**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-061708-JY**	Sampled:	06/17/08 10:30
Lab Sample ID:	**0806383-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	104	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR7-061708-JY**	Sampled:	06/17/08 10:30
Lab Sample ID:	**0806383-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**7.2**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.052**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**8.6**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**3.1**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-FB-061708-JY**	Sampled:	06/17/08 09:00
Lab Sample ID:	**0806383-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW103S-FB-061708-JY**	Sampled:	06/17/08 09:00
Lab Sample ID:	**0806383-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB2-061708-JY**	Sampled:	06/17/08 11:30
Lab Sample ID:	**0806383-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB2-061708-JY**	Sampled:	06/17/08 11:30
Lab Sample ID:	**0806383-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	100	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	94	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW109D-061708-JY**	Sampled:	06/17/08 13:30
Lab Sample ID:	**0806383-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW109D-061708-JY**	Sampled:	06/17/08 13:30
Lab Sample ID:	**0806383-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	102	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW108D-061708-JY**	Sampled:	06/17/08 14:40
Lab Sample ID:	**0806383-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW108D-061708-JY**	Sampled:	06/17/08 14:40
Lab Sample ID:	**0806383-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	99	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	94	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-061708-JY**	Sampled:	06/17/08 15:45
Lab Sample ID:	**0806383-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**0.62**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-061708-JY**	Sampled:	06/17/08 15:45
Lab Sample ID:	**0806383-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-061708-JY**	Sampled:	06/17/08 15:45
Lab Sample ID:	**0806383-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	**4.8**	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	103	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	93	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW5S-061708-JY**	Sampled:	06/17/08 15:45
Lab Sample ID:	**0806383-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**4.9**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Sulfate	**25**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW12I-061708-JY**	Sampled:	06/17/08 18:00
Lab Sample ID:	**0806383-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW12I-061708-JY**	Sampled:	06/17/08 18:00
Lab Sample ID:	**0806383-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	99	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-061708-PR**	Sampled:	06/17/08 09:25
Lab Sample ID:	**0806383-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**18**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-061708-PR**	Sampled:	06/17/08 09:25
Lab Sample ID:	**0806383-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-061708-PR**	Sampled:	06/17/08 09:25
Lab Sample ID:	**0806383-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/24/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062513

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	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22S-061708-PR**	Sampled:	06/17/08 09:25
Lab Sample ID:	**0806383-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**2.4**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**2.7**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-061708-PR**	Sampled:	06/17/08 10:35
Lab Sample ID:	**0806383-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**2.3**	0.50
74-85-1	Ethylene	**1.2**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-061708-PR**	Sampled:	06/17/08 10:35
Lab Sample ID:	**0806383-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-061708-PR**	Sampled:	06/17/08 10:35
Lab Sample ID:	**0806383-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22I-061708-PR**	Sampled:	06/17/08 10:35
Lab Sample ID:	**0806383-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**2.6**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB-2**	Sampled:	06/17/08 10:22
Lab Sample ID:	**0806383-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB-2**	Sampled:	06/17/08 10:22
Lab Sample ID:	**0806383-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	99	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	93	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-061708-PR**	Sampled:	06/17/08 11:55
Lab Sample ID:	**0806383-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**5.6**	0.50
74-85-1	Ethylene	**3.1**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-061708-PR**	Sampled:	06/17/08 11:55
Lab Sample ID:	**0806383-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-061708-PR**	Sampled:	06/17/08 11:55
Lab Sample ID:	**0806383-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	101	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW22D-061708-PR**	Sampled:	06/17/08 11:55
Lab Sample ID:	**0806383-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**3.7**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**11**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.4**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-061708-PR**	Sampled:	06/17/08 12:55
Lab Sample ID:	**0806383-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**3.6**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-061708-PR**	Sampled:	06/17/08 12:55
Lab Sample ID:	**0806383-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-061708-PR**	Sampled:	06/17/08 12:55
Lab Sample ID:	**0806383-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23D-061708-PR**	Sampled:	06/17/08 12:55
Lab Sample ID:	**0806383-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**3.0**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-061708-PR**	Sampled:	06/17/08 14:00
Lab Sample ID:	**0806383-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-061708-PR**	Sampled:	06/17/08 14:00
Lab Sample ID:	**0806383-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-061708-PR**	Sampled:	06/17/08 14:00
Lab Sample ID:	**0806383-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23S-061708-PR**	Sampled:	06/17/08 14:00
Lab Sample ID:	**0806383-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**4.3**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**25**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.8**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-061708-PR**	Sampled:	06/17/08 15:05
Lab Sample ID:	**0806383-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**2.6**	0.50
74-85-1	Ethylene	**1.3**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-061708-PR**	Sampled:	06/17/08 15:05
Lab Sample ID:	**0806383-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-061708-PR**	Sampled:	06/17/08 15:05
Lab Sample ID:	**0806383-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807574	Analytical Batch:	8062515

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	103	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806383**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW23I-061708-PR**	Sampled:	06/17/08 15:05
Lab Sample ID:	**0806383-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/18/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/19/08	CAM	0807276
Chloride	**5.5**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.094**	0.050	mg/L	1	USEPA-350.1	06/19/08	GEH	0807321
Sulfate	**26**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**1.9**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807557

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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: 0807443 Direct Injection/RSK-175								
Method Blank						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane			<1.0					1.0
Methane			<0.50					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane		19.1	**16.9**	88	76-125			1.0
Methane		9.42	**8.32**	88	74-126			0.50
Ethylene		26.4	**23.3**	88	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		06/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062353
Ethane		19.1	**16.8**	88	76-125	0.4	20	1.0
Methane		9.42	**8.31**	88	74-126	0.1	20	0.50
Ethylene		26.4	**23.2**	88	79-121	0.2	20	1.0

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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: 0807574 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/24/2008 By: DLV
Unit: ug/L Analytical Batch: 8062513

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
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

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued) Unit: ug/L						Analyzed: Analytical Batch:	06/24/2008 8062513	By: DLV
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				97	*88-115*			
1,2-Dichloroethane-d4				101	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				94	*78-116*			
Method Blank Unit: ug/L						Analyzed: Analytical Batch:	06/25/2008 8062515	By: DLV
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

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062515

2-Hexanone			<50					50
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				98	*88-115*			
1,2-Dichloroethane-d4				103	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				93	*78-116*			

Laboratory Control Sample Analyzed: 06/24/2008 By: DLV
Unit: ug/L Analytical Batch: 8062513

Chloromethane		40.0	**42.9**	107	68-130			1.0
Vinyl Chloride		40.0	**43.0**	108	73-130			1.0
Bromomethane		40.0	**49.0**	122	56-140			1.0
Chloroethane		40.0	**40.5**	101	71-130			1.0
1,1-Dichloroethene		40.0	**42.4**	106	81-125			1.0
Acetone		40.0	**43.1**	108	52-134			5.0
Carbon Disulfide		40.0	**38.8**	97	74-133			5.0
Methylene Chloride		40.0	**39.9**	100	74-135			1.0
trans-1,2-Dichloroethene		40.0	**40.0**	100	85-121			1.0
1,1-Dichloroethane		40.0	**39.8**	100	80-122			1.0
cis-1,2-Dichloroethene		40.0	**39.5**	99	84-121			1.0
2-Butanone (MEK)		40.0	**37.9**	95	60-134			5.0
Chloroform		40.0	**39.2**	98	86-120			1.0
1,1,1-Trichloroethane		40.0	**40.2**	100	81-123			1.0
Carbon Tetrachloride		40.0	**36.3**	91	80-126			1.0
Benzene		40.0	**39.8**	100	86-120			1.0
1,2-Dichloroethane		40.0	**38.8**	97	78-121			1.0
Trichloroethene		40.0	**39.0**	98	80-122			1.0

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	06/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062513	
1,2-Dichloropropane		40.0	**40.0**	100	77-125		1.0	
Bromodichloromethane		40.0	**40.8**	102	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**36.2**	90	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**41.0**	102	57-134		5.0	
Toluene		40.0	**39.3**	98	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**34.9**	87	70-125		1.0	
1,1,2-Trichloroethane		40.0	**39.8**	100	86-123		1.0	
Tetrachloroethene		40.0	**38.2**	95	85-115		1.0	
2-Hexanone		40.0	**39.2**	98	53-137		5.0	
Dibromochloromethane		40.0	**34.7**	87	77-114		1.0	
Chlorobenzene		40.0	**38.1**	95	88-114		1.0	
Ethylbenzene		40.0	**39.0**	98	86-116		1.0	
Xylene (Total)		120	**119**	99	88-115		3.0	
Tetrahydrofuran		40.0	**34.4**	86	60-122		10	
Styrene		40.0	**35.6**	89	81-115		1.0	
Bromoform		40.0	**31.6**	79	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**37.0**	92	81-127		1.0	
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				97	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				103	*78-116*			
Laboratory Control Sample						Analyzed:	06/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062515	
Chloromethane		40.0	**37.2**	93	68-130		1.0	
Vinyl Chloride		40.0	**40.8**	102	73-130		1.0	
Bromomethane		40.0	**63.4**	**158**	56-140		1.0	
Chloroethane		40.0	**41.0**	103	71-130		1.0	
1,1-Dichloroethene		40.0	**42.4**	106	81-125		1.0	
Acetone		40.0	**50.2**	125	52-134		5.0	
Carbon Disulfide		40.0	**40.4**	101	74-133		5.0	
Methylene Chloride		40.0	**41.7**	104	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**41.2**	103	85-121		1.0	
1,1-Dichloroethane		40.0	**40.4**	101	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**41.3**	103	84-121		1.0	

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued) Unit: ug/L						Analyzed: Analytical Batch:	06/24/2008 8062515	By: DLV
2-Butanone (MEK)		40.0	**40.9**	102	60-134		5.0	
Chloroform		40.0	**41.3**	103	86-120		1.0	
1,1,1-Trichloroethane		40.0	**39.6**	99	81-123		1.0	
Carbon Tetrachloride		40.0	**35.4**	89	80-126		1.0	
Benzene		40.0	**42.0**	105	86-120		1.0	
1,2-Dichloroethane		40.0	**41.4**	104	78-121		1.0	
Trichloroethene		40.0	**42.9**	107	80-122		1.0	
1,2-Dichloropropane		40.0	**42.7**	107	77-125		1.0	
Bromodichloromethane		40.0	**44.0**	110	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**36.4**	91	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**41.9**	105	57-134		5.0	
Toluene		40.0	**41.5**	104	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**35.4**	89	70-125		1.0	
1,1,2-Trichloroethane		40.0	**43.7**	109	86-123		1.0	
Tetrachloroethene		40.0	**39.3**	98	85-115		1.0	
2-Hexanone		40.0	**38.3**	96	53-137		5.0	
Dibromochloromethane		40.0	**37.0**	93	77-114		1.0	
Chlorobenzene		40.0	**39.3**	98	88-114		1.0	
Ethylbenzene		40.0	**40.2**	100	86-116		1.0	
Xylene (Total)		120	**124**	103	88-115		3.0	
Tetrahydrofuran		40.0	**37.8**	94	60-122		10	
Styrene		40.0	**37.4**	94	81-115		1.0	
Bromoform		40.0	**35.1**	88	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**35.5**	89	81-127		1.0	
Surrogates								
Dibromofluoromethane				100	*88-115*			
1,2-Dichloroethane-d4				98	*81-116*			
Toluene-d8				103	*87-113*			
4-Bromofluorobenzene				102	*78-116*			
Matrix Spike 0806383-05 MW109D-061708-JY Unit: ug/L						Analyzed: Analytical Batch:	06/24/2008 8062513	By: DLV
Chloromethane	<1.0	40.0	**36.1**	90	66-132		1.0	
Vinyl Chloride	<1.0	40.0	**41.5**	104	71-136		1.0	
Bromomethane	<1.0	40.0	**56.7**	**142**	52-127		1.0	
Chloroethane	<1.0	40.0	**40.9**	102	77-141		1.0	

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 0806383-05 MW109D-061708-JY						Analyzed:	06/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062513	
1,1-Dichloroethene	<1.0	40.0	**42.0**	105	85-130		1.0	
Acetone	<5.0	40.0	**41.7**	104	54-146		5.0	
Carbon Disulfide	<5.0	40.0	**39.3**	98	68-145		5.0	
Methylene Chloride	<1.0	40.0	**41.2**	103	87-119		1.0	
trans-1,2-Dichloroethene	<1.0	40.0	**40.4**	101	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**40.6**	101	82-125		1.0	
cis-1,2-Dichloroethene	<1.0	40.0	**41.3**	103	84-127		1.0	
2-Butanone (MEK)	<5.0	40.0	**38.6**	97	62-140		5.0	
Chloroform	<1.0	40.0	**41.2**	103	87-123		1.0	
1,1,1-Trichloroethane	<1.0	40.0	**39.2**	98	82-126		1.0	
Carbon Tetrachloride	<1.0	40.0	**35.4**	89	83-126		1.0	
Benzene	<1.0	40.0	**41.2**	103	84-127		1.0	
1,2-Dichloroethane	<1.0	40.0	**41.1**	103	79-120		1.0	
Trichloroethene	<1.0	40.0	**39.7**	99	81-124		1.0	
1,2-Dichloropropane	<1.0	40.0	**41.8**	105	81-125		1.0	
Bromodichloromethane	<1.0	40.0	**43.3**	108	77-130		1.0	
cis-1,3-Dichloropropene	<1.0	40.0	**35.5**	89	68-122		1.0	
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**40.0**	100	55-139		5.0	
Toluene	<1.0	40.0	**41.1**	103	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	**42.7**	107	84-122		1.0	
Tetrachloroethene	<1.0	40.0	**41.6**	104	83-117		1.0	
2-Hexanone	<5.0	40.0	**38.2**	96	46-142		5.0	
Dibromochloromethane	<1.0	40.0	**36.3**	91	83-110		1.0	
Chlorobenzene	<1.0	40.0	**39.1**	98	89-115		1.0	
Ethylbenzene	<1.0	40.0	**40.7**	102	87-118		1.0	
Xylene (Total)	<3.0	120	**124**	104	88-115		3.0	
Tetrahydrofuran	<10	40.0	**37.9**	95	70-119		10	
Styrene	<1.0	40.0	**37.1**	93	84-114		1.0	
Bromoform	<1.0	40.0	**33.7**	84	70-123		1.0	
1,1,2,2-Tetrachloroethane	<1.0	40.0	**36.9**	92	82-123		1.0	
Surrogates								
Dibromofluoromethane				101	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				104	*78-116*			

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate 0806383-05 MW109D-061708-JY						Analyzed:	06/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062513	
Chloromethane	<1.0	40.0	**36.3**	91	66-132	0.5	13	1.0
Vinyl Chloride	<1.0	40.0	**41.3**	103	71-136	0.5	10	1.0
Bromomethane	<1.0	40.0	**60.0**	**150**	52-127	6	18	1.0
Chloroethane	<1.0	40.0	**40.9**	102	77-141	0.2	13	1.0
1,1-Dichloroethene	<1.0	40.0	**42.5**	106	85-130	1	10	1.0
Acetone	<5.0	40.0	**42.0**	105	54-146	0.5	27	5.0
Carbon Disulfide	<5.0	40.0	**40.7**	102	68-145	4	16	5.0
Methylene Chloride	<1.0	40.0	**42.0**	105	87-119	2	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**41.4**	103	87-125	2	9	1.0
1,1-Dichloroethane	<1.0	40.0	**40.9**	102	82-125	0.8	10	1.0
cis-1,2-Dichloroethene	<1.0	40.0	**42.6**	106	84-127	3	9	1.0
2-Butanone (MEK)	<5.0	40.0	**39.4**	99	62-140	2	20	5.0
Chloroform	<1.0	40.0	**41.2**	103	87-123	0.02	8	1.0
1,1,1-Trichloroethane	<1.0	40.0	**40.5**	101	82-126	3	9	1.0
Carbon Tetrachloride	<1.0	40.0	**36.2**	90	83-126	2	10	1.0
Benzene	<1.0	40.0	**41.9**	105	84-127	1	8	1.0
1,2-Dichloroethane	<1.0	40.0	**40.6**	101	79-120	1	8	1.0
Trichloroethene	<1.0	40.0	**40.7**	102	81-124	2	8	1.0
1,2-Dichloropropane	<1.0	40.0	**42.5**	106	81-125	2	10	1.0
Bromodichloromethane	<1.0	40.0	**43.9**	110	77-130	1	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**36.0**	90	68-122	1	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**40.4**	101	55-139	1	9	5.0
Toluene	<1.0	40.0	**41.7**	104	88-125	2	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**35.4**	89	72-121	2	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**43.1**	108	84-122	0.9	10	1.0
Tetrachloroethene	<1.0	40.0	**41.6**	104	83-117	0.1	8	1.0
2-Hexanone	<5.0	40.0	**37.8**	95	46-142	1	10	5.0
Dibromochloromethane	<1.0	40.0	**37.0**	93	83-110	2	9	1.0
Chlorobenzene	<1.0	40.0	**40.0**	100	89-115	2	8	1.0
Ethylbenzene	<1.0	40.0	**40.7**	102	87-118	0.05	7	1.0
Xylene (Total)	<3.0	120	**125**	104	88-115	0.7	7	3.0
Tetrahydrofuran	<10	40.0	**36.4**	91	70-119	4	14	10
Styrene	<1.0	40.0	**37.0**	93	84-114	0.3	8	1.0
Bromoform	<1.0	40.0	**34.0**	85	70-123	0.9	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**38.1**	95	82-123	3	9	1.0
Surrogates								
Dibromofluoromethane				101	*88-115*			

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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: 0807574 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0806383-05 MW109D-061708-JY — Analyzed: 06/24/2008 By: DLV
Unit: ug/L — Analytical Batch: 8062513

Surrogates (Continued)		
1,2-Dichloroethane-d4	99	*81-116*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	101	*78-116*

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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: 0807276 (General Inorganic Prep)							Analyzed: 06/19/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**227**	mg/L	95	91-110			2.0
0806383-02 DNR7-061708-JY									
Matrix Spike	316	238	**568**	mg/L	106	78-117			2.0
Duplicate	316		**289**	mg/L			9	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807557 (General Inorganic Prep)							Analyzed: 06/24/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.7**	mg/L	92	88-108			1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807321 (General Inorganic Prep)							Analyzed: 06/19/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.500	**0.480**	mg/L	96	90-110			0.050
0806383-01 MW103S-061708-JY									
Matrix Spike	0.159	0.500	**0.619**	mg/L	92	90-110			0.050
Matrix Spike Duplicate	0.159	0.500	**0.619**	mg/L	92	90-110	0.08	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807420 (Method-Specific Preparation)							Analyzed: 06/19/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.493**	mg/L	99	90-110			0.050
0806383-15 GW23I-061708-PR									
Matrix Spike	<0.050	0.500	**0.480**	mg/L	96	90-110			0.050

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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, Nitrate**/USEPA-353.2 (Continued)								
QC Batch: 0807420 (Continued) (Method-Specific Preparation)							Analyzed: 06/19/2008 By: HLB		
0806383-15 GW23I-061708-PR									
Matrix Spike Duplicate	<0.050	0.500	**0.479**	mg/L	96	90-110	0.1	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807421 (Method-Specific Preparation)							Analyzed: 06/19/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.507**	mg/L	101	90-110			0.050
0806383-15 GW23I-061708-PR									
Matrix Spike	<0.050	0.500	**0.526**	mg/L	105	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.518**	mg/L	104	90-110	2	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:		
0806383-10	GW22I-061708-PR	Bromomethane
0806383-11	FB-2	Bromomethane
0806383-12	GW22D-061708-PR	Bromomethane
0806383-13	GW23D-061708-PR	Bromomethane
0806383-14	GW23S-061708-PR	Bromomethane
0806383-15	GW23I-061708-PR	Bromomethane

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:		
0806383-05	MW109D-061708-JY	Bromomethane

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Chain of Custody Record

COC No. **124901**

Page 1 of 2

For Lab Use Only

Cart: 9

VOA Rack/Tray: 416 W ~~[illegible]~~ Box W

Receipt Log No.: 21-4

Project Chemist: [illegible]

Laboratory Project No.: E-0806383

Client Name: EARTH TECH

Address: 36133 SCHOOLCRAFT LIVONIA MI 48150

Phone: 734 779 2800

Fax: 734 779 2810

Project Name: ROSE TWP

Client Project No./PO. No.: 102777.04

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: Leslie Hartig

Analyses Requested

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	Ammonia	Nitrate/Nitrite	Sulfate	Chloride	TOC	Alkalinity	Methane	Ethane	Ethene	Total	Sample Comments
02		01	1 MW103$-061708-JY	TM 1274	06/17	0915		x	GW	2	/	/	/	/	/	/	/	/	/	9	
↓		02	2 DUR7-061708-JY	↓	06/17	1030		x	GW	2	/	/	/	/	/	/	/	/	/	9	
01		03	3 MW103$-FB-061708-JY	↓	06/17	0900		x	~~GW~~	2										2	
EB ↓	WQ	04	4 EB2-061708-JY	↓	06/17	1130		x	W	2										2	
↓		05	5 MW109D-061708-JY	↓	06/17	1330		x	GW	2										2	
↓			6 MW109D-MS/MSD-061708-JY	↓	06/17	1330		x	GW	2										2	
↓		06	7 MW108D-061708-JY	↓	06/17	1440		x	GW	2										2	
02		07	8 RW5$-061708-JY	↓	06/17	1545		x	GW	2	/	/	/	/	/	/	/	/	/	9	
01		08	9 GW12I-061708-JY	↓	06/17	1800		x	GW	2										2	
			10																		

Number of Containers Submitted

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)

Sampled By (print): John Yanchula

Sampler's Signature: [signature]

Company: EARTH TECH

Comments

How Shipped? Hand Carrier

Tracking No

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	06/17/08	1910						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received for Lab By	Date	Time
						[signature]	6/18/08	1015

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Chain of Custody Record

COC No. 124712

Page 1 of 1

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Cart: 9
VOA Rack/Tray: 4/6W W-Box
Receipt Log No.: 21-4
Project Chemist: [illegible]
Laboratory Project No.: E-08061383

Client Name: EARTH TECH INC
Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150
Phone:
Fax:

Project Name: ROSE TWP
Client Project No./P.O. No.: 102 777.04
Invoice No.: ☐ Client ☐ Other (comments)
Contact/Report To:

Analyses Requested

Container Type (corresponds to Container Picking 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	MNA	Total	Sample Comments
	02		09	1 GW22S-061708-PR	TM 1911	6-17-08	0925		X	AQ	X	X	9	
	↓		10	2 GW22I-061708-PR	"	6-17-08	1035		X	AQ	X	X	9	
EB	01	WQ	11	3 FB-2	"	6-17-08	1022		X	AQ	X		2	
	02		12	4 GW22D-061708-PR	"	6-17-08	1155		X	AQ	X	X	9	
			13	5 GW23D-061708-PR	"	6-17-08	1255		X	AQ	X	X	9	
			14	6 GW23S-061708-PR	"	6-17-08	1400		X	AQ	X	X	9	
			15	7 GW23I-061708-PR	"	6-17-08	1505		X	AQ	X	X	9	
				8										
				9										
				10										

Sampled By (print): PHILLIP RILEY
Sampler's Signature: [signature]
Company: CTI & ASSOC.

How Shipped? Hand Carrier
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	6-17-08	1745						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
[signature]	6/17/08	1745				[signature]	6/18/08	1015

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TriMatrix Laboratories, Inc.

July 02, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806415	06/19/2008	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 53.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW9-061808-JY**	Sampled:	06/18/08 10:15
Lab Sample ID:	**0806415-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	**1.9**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**PW9-061808-JY**	Sampled:	06/18/08 10:15
Lab Sample ID:	**0806415-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	105	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW2-061808-JY**	Sampled:	06/18/08 11:30
Lab Sample ID:	**0806415-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW2-061808-JY**	Sampled:	06/18/08 11:30
Lab Sample ID:	**0806415-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	104	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW2-061808-JY-DUP**	Sampled:	06/18/08 11:35
Lab Sample ID:	**0806415-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	**1.1**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**RW2-061808-JY-DUP**	Sampled:	06/18/08 11:35
Lab Sample ID:	**0806415-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	105	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	98	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW2I-061808-JY**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	**11**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**4.2**	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	**11**	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	**5.5**	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

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW2I-061808-JY**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	103	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	99	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-061808-JY**	Sampled:	06/18/08 14:40
Lab Sample ID:	**0806415-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**12**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-061808-JY**	Sampled:	06/18/08 14:40
Lab Sample ID:	**0806415-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	**25**	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	**1.7**	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)	<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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-061808-JY**	Sampled:	06/18/08 14:40
Lab Sample ID:	**0806415-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	104	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW3I-061808-JY**	Sampled:	06/18/08 14:40
Lab Sample ID:	**0806415-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**240**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Chloride	**3.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**19**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.9**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB3-061808-JY**	Sampled:	06/18/08 15:50
Lab Sample ID:	**0806415-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**EB3-061808-JY**	Sampled:	06/18/08 15:50
Lab Sample ID:	**0806415-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	105	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB3**	Sampled:	06/18/08 10:44
Lab Sample ID:	**0806415-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB3**	Sampled:	06/18/08 10:44
Lab Sample ID:	**0806415-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	105	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-061808-PR**	Sampled:	06/18/08 14:10
Lab Sample ID:	**0806415-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**0.51**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-061808-PR**	Sampled:	06/18/08 14:10
Lab Sample ID:	**0806415-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-061808-PR**	Sampled:	06/18/08 14:10
Lab Sample ID:	**0806415-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	104	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24D-061808-PR**	Sampled:	06/18/08 14:10
Lab Sample ID:	**0806415-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Alkalinity, Total**	**230**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Chloride	**5.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	**0.094**	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

*See Statement of Data Qualifications

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-061808-PR**	Sampled:	06/18/08 10:55
Lab Sample ID:	**0806415-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**5.8**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-061808-PR**	Sampled:	06/18/08 10:55
Lab Sample ID:	**0806415-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-061808-PR**	Sampled:	06/18/08 10:55
Lab Sample ID:	**0806415-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	107	*79-124*
1,2-Dichloroethane-d4	100	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25I-061808-PR**	Sampled:	06/18/08 10:55
Lab Sample ID:	**0806415-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**230**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Chloride	**2.8**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.16**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Carbon, Total Organic	**2.9**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-061808-PR**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-061808-PR**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-061808-PR**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	104	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW24I-061808-PR**	Sampled:	06/18/08 13:15
Lab Sample ID:	**0806415-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**230**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Chloride	**2.6**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Sulfate	**10**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	**0.058**	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**1.6**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-061808-PR**	Sampled:	06/18/08 16:45
Lab Sample ID:	**0806415-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	25	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<25	25
74-82-8	Methane	**590**	12
74-85-1	Ethylene	<25	25

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-061808-PR**	Sampled:	06/18/08 16:45
Lab Sample ID:	**0806415-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-061808-PR**	Sampled:	06/18/08 16:45
Lab Sample ID:	**0806415-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	103	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26D-061808-PR**	Sampled:	06/18/08 16:45
Lab Sample ID:	**0806415-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**2.4**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Alkalinity, Total	**230**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**3.8**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-061808-PR**	Sampled:	06/18/08 15:45
Lab Sample ID:	**0806415-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**1.6**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-061808-PR**	Sampled:	06/18/08 15:45
Lab Sample ID:	**0806415-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-061808-PR**	Sampled:	06/18/08 15:45
Lab Sample ID:	**0806415-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	102	*75-128*
Toluene-d8	98	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26I-061808-PR**	Sampled:	06/18/08 15:45
Lab Sample ID:	**0806415-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Alkalinity, Total	**240**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Chloride	**2.6**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Sulfate	**13**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.8**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26R-061808-PR**	Sampled:	06/18/08 16:55
Lab Sample ID:	**0806415-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	20	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<20	20
74-82-8	Methane	**480**	10
74-85-1	Ethylene	<20	20

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26R-061808-PR**	Sampled:	06/18/08 16:55
Lab Sample ID:	**0806415-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26R-061808-PR**	Sampled:	06/18/08 16:55
Lab Sample ID:	**0806415-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	107	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW26R-061808-PR**	Sampled:	06/18/08 16:55
Lab Sample ID:	**0806415-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**240**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Chloride	**2.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Carbon, Total Organic	**3.9**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-061808-PR**	Sampled:	06/18/08 09:50
Lab Sample ID:	**0806415-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/23/08 By: JLB
QC Batch:	0807443	Analytical Batch:	8062353

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	**1.9**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-061808-PR**	Sampled:	06/18/08 09:50
Lab Sample ID:	**0806415-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-061808-PR**	Sampled:	06/18/08 09:50
Lab Sample ID:	**0806415-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JDM
Dilution Factor:	1	Date Analyzed:	06/26/08 By: JDM
QC Batch:	0807635	Analytical Batch:	8062617

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	107	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	99	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806415**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW25D-061808-PR**	Sampled:	06/18/08 09:50
Lab Sample ID:	**0806415-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/19/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**240**	2.0	mg/L	1	USEPA-310.1	06/20/08	CAM	0807361
Chloride	**4.4**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807421
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/19/08	HLB	0807420
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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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: 0807443 Direct Injection/RSK-175									
Method Blank						Analyzed:		06/23/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062353	
Ethane			<1.0					1.0	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		06/23/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062353	
Ethane		19.1	**16.9**	88	76-125			1.0	
Methane		9.42	**8.32**	88	74-126			0.50	
Ethylene		26.4	**23.3**	88	79-121			1.0	
Laboratory Control Sample Duplicate						Analyzed:		06/23/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062353	
Ethane		19.1	**16.8**	88	76-125	0.4	20	1.0	
Methane		9.42	**8.31**	88	74-126	0.1	20	0.50	
Ethylene		26.4	**23.2**	88	79-121	0.2	20	1.0	

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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: 0807635 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/25/2008 By: JDM
Unit: ug/L Analytical Batch: 8062617

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

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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: 0807635 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)						Analyzed:	06/25/2008	By: JDM
Unit: ug/L						Analytical Batch:	8062617	
1,2,3-Trichlorobenzene			<1.0				1.0	
Surrogates								
Dibromofluoromethane				105	*88-115*			
1,2-Dichloroethane-d4				103	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
Laboratory Control Sample						Analyzed:	06/25/2008	By: JDM
Unit: ug/L						Analytical Batch:	8062617	
Chloromethane		40.0	**40.9**	102	68-130		1.0	
Vinyl Chloride		40.0	**42.2**	106	73-130		1.0	
Bromomethane		40.0	**32.9**	82	56-140		1.0	
Chloroethane		40.0	**43.6**	109	71-130		1.0	
1,1-Dichloroethene		40.0	**42.9**	107	81-125		1.0	
Acetone		40.0	**43.6**	109	52-134		5.0	
Carbon Disulfide		40.0	**41.6**	104	74-133		5.0	
Methylene Chloride		40.0	**40.2**	100	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**43.3**	108	85-121		1.0	
1,1-Dichloroethane		40.0	**43.2**	108	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**46.8**	117	84-121		1.0	
2-Butanone (MEK)		40.0	**46.6**	116	60-134		5.0	
Chloroform		40.0	**47.4**	118	86-120		1.0	
1,1,1-Trichloroethane		40.0	**45.8**	115	81-123		1.0	
Carbon Tetrachloride		40.0	**47.4**	119	80-126		1.0	
Benzene		40.0	**42.9**	107	86-120		1.0	
1,2-Dichloroethane		40.0	**43.5**	109	78-121		1.0	
Trichloroethene		40.0	**47.0**	117	80-122		1.0	
1,2-Dichloropropane		40.0	**43.4**	108	77-125		1.0	
Bromodichloromethane		40.0	**45.3**	113	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**43.2**	108	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**43.0**	107	57-134		5.0	
Toluene		40.0	**42.4**	106	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**38.7**	97	70-125		1.0	
1,1,2-Trichloroethane		40.0	**43.1**	108	86-123		1.0	
Tetrachloroethene		40.0	**43.3**	108	85-115		1.0	
2-Hexanone		40.0	**44.3**	111	53-137		5.0	

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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: 0807635 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued) Unit: ug/L						Analyzed: Analytical Batch:		06/25/2008 8062617 By: JDM
Dibromochloromethane		40.0	**40.0**	100	77-114			1.0
Chlorobenzene		40.0	**43.0**	108	88-114			1.0
Ethylbenzene		40.0	**43.9**	110	86-116			1.0
Xylene (Total)		120	**131**	109	88-115			3.0
Tetrahydrofuran		40.0	**41.3**	103	60-122			10
Styrene		40.0	**44.2**	110	81-115			1.0
Bromoform		40.0	**37.3**	93	70-126			1.0
1,1,2,2-Tetrachloroethane		40.0	**37.5**	94	81-127			1.0
Surrogates								
Dibromofluoromethane				107	*88-115*			
1,2-Dichloroethane-d4				99	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				100	*78-116*			
Laboratory Control Sample Duplicate Unit: ug/L						Analyzed: Analytical Batch:		06/25/2008 8062617 By: JDM
Chloromethane		40.0	**42.4**	106	68-130	3	20	1.0
Vinyl Chloride		40.0	**45.0**	113	73-130	6	20	1.0
Bromomethane		40.0	**36.4**	91	56-140	10	20	1.0
Chloroethane		40.0	**44.3**	111	71-130	2	20	1.0
1,1-Dichloroethene		40.0	**44.6**	112	81-125	4	20	1.0
Acetone		40.0	**47.1**	118	52-134	8	20	5.0
Carbon Disulfide		40.0	**43.9**	110	74-133	5	20	5.0
Methylene Chloride		40.0	**40.8**	102	74-135	1	20	1.0
trans-1,2-Dichloroethene		40.0	**44.0**	110	85-121	2	20	1.0
1,1-Dichloroethane		40.0	**44.8**	112	80-122	4	20	1.0
cis-1,2-Dichloroethene		40.0	**47.2**	118	84-121	0.8	20	1.0
2-Butanone (MEK)		40.0	**49.6**	124	60-134	6	20	5.0
Chloroform		40.0	**47.9**	120	86-120	1	20	1.0
1,1,1-Trichloroethane		40.0	**47.7**	119	81-123	4	20	1.0
Carbon Tetrachloride		40.0	**48.9**	122	80-126	3	20	1.0
Benzene		40.0	**43.8**	110	86-120	2	20	1.0
1,2-Dichloroethane		40.0	**43.7**	109	78-121	0.4	20	1.0
Trichloroethene		40.0	**47.1**	118	80-122	0.2	20	1.0
1,2-Dichloropropane		40.0	**44.0**	110	77-125	2	20	1.0
Bromodichloromethane		40.0	**46.0**	115	81-126	2	20	1.0

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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: 0807635 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample Duplicate (Continued)					Analyzed:		06/25/2008	By: JDM
Unit: ug/L					Analytical Batch:		8062617	
cis-1,3-Dichloropropene		40.0	**44.4**	111	78-119	3	20	1.0
4-Methyl-2-pentanone (MIBK)		40.0	**43.2**	108	57-134	0.4	20	5.0
Toluene		40.0	**43.1**	108	87-123	2	20	1.0
trans-1,3-Dichloropropene		40.0	**39.4**	98	70-125	2	20	1.0
1,1,2-Trichloroethane		40.0	**43.9**	110	86-123	2	20	1.0
Tetrachloroethene		40.0	**43.7**	109	85-115	1	20	1.0
2-Hexanone		40.0	**45.1**	113	53-137	2	20	5.0
Dibromochloromethane		40.0	**39.9**	100	77-114	0.3	20	1.0
Chlorobenzene		40.0	**43.2**	108	88-114	0.5	20	1.0
Ethylbenzene		40.0	**44.5**	111	86-116	1	20	1.0
Xylene (Total)		120	**133**	111	88-115	1	20	3.0
Tetrahydrofuran		40.0	**45.2**	113	60-122	9	20	10
Styrene		40.0	**44.7**	112	81-115	1	20	1.0
Bromoform		40.0	**37.1**	93	70-126	0.4	20	1.0
1,1,2,2-Tetrachloroethane		40.0	**38.8**	97	81-127	4	20	1.0
Surrogates								
Dibromofluoromethane				107	*88-115*			
1,2-Dichloroethane-d4				102	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				102	*78-116*			

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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: 0807361 (General Inorganic Prep)							Analyzed: 06/20/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**228**	mg/L	96	91-110			2.0
0806415-08 GW24D-061808-PR									
Matrix Spike	234	238	**417**	mg/L	**77**	78-117			2.0
Duplicate	234		**233**	mg/L			0.4	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807558 (General Inorganic Prep)							Analyzed: 06/24/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.7**	mg/L	92	88-108			1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807474 (General Inorganic Prep)							Analyzed: 06/23/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.500	**0.483**	mg/L	97	90-110			0.050
0806415-05 MW3I-061808-JY									
Matrix Spike	0.112	0.500	**0.579**	mg/L	93	90-110			0.050
Matrix Spike Duplicate	0.112	0.500	**0.574**	mg/L	92	90-110	0.9	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807420 (Method-Specific Preparation)							Analyzed: 06/19/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.493**	mg/L	99	90-110			0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807421 (Method-Specific Preparation)							Analyzed: 06/19/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050

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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: 0807421 (Continued) (Method-Specific Preparation)								Analyzed: 06/19/2008 By: HLB	
Laboratory Control Sample		0.500	**0.507**	mg/L	101	90-110			0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)								Analyzed: 06/25/2008 By: GEH	
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0

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STATEMENT OF DATA QUALIFICATIONS

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Qualification: The MS and/or MSD recovery was outside the control limit. The non-spiked sample result is considered estimated.

Analysis: USEPA-310.1

Sample/Analyte: 0806415-08 GW24D-061808-PR Alkalinity, Total

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Chain of Custody Record

COC No. 124904

QUARTERLY SAMPLING

Page 1 of 2

For Lab Use Only
Cart: 9
VOA Rack/Tray: Whik Box - 709R
Receipt Log No.: 23-4
Project Chemist:
Laboratory Project No.: 08060415

Client Name: EARTH TECH
Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150
Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP
Client Project No./P.O. No.: 107777.04
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, MNA

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): 1

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
		01	1 PW9-061808-JY	TM 1441	06/18	1015		X	GW	X		2	
		02	2 RW2-061808-JY	↓	06/18	1130		X	GW	X		2	
		03	3 RW2-061808-JY-DUP		06/18	1135		X	GW	X		2	
		04	4 MW2I-061808-JY		06/18	1315		X	GW	X		2	
		05	5 MW3I-061808-JY		06/18	1440		X	GW	X	X	9	
		06	6 EB3-061808-JY		06/18	1550		X	GW	X		2	
		07	7 FB3		06/18	1044		X	GW	X		2	
		08	8 GW24D-061808-PR		06/18	1410		X	GW	X	X	9	
		09	9 GW25I-061808-PR		06/18	1055		X	GW	X	X	9	
		10	10 GW24I-061808-PR		06/18	1315		X	GW	X	X	9	

Sampled By (print): JOHN YANCHUS
Sampler's Signature: [signature]
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
[signature]	06/18/08	1830						
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	6/19/08	10:15

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Chain of Custody Record

COC No. 124906

QUARTERLY SAMPLING

Page 2 of 2

For Lab Use Only

Cart: 9

VOA Rack/Tray:

Receipt Log No.: 23-4

Project Chemist:

Laboratory Project No.: 08060415

Client Name: EARTH TECH

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP

Client Project No./P.O. No.: 102777.04

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, MANA

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	GRAB	Matrix	Number of Containers Submitted			Total	Sample Comments
		11	1	GW26D-061808-PR	TM 1441	06/18	1645	X	GW	X	X		9	
		12	2	GW26I-061808-PR		06/18	1545	X	GW	X	X		9	
		13	3	GW26R-061808-PR		06/18	1655	X	GW	X	X		9	
		14	4	GW25D-061808-PR		06/18	0950	X	GW	X	X		9	
			5											
			6											
			7											
			8											
			9											
			10											

Sampled By (print): JOHN YANCHUS

Sampler's Signature:

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
	06/18/08	1830						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received By Lab By**	**Date**	**Time**
							6-19-08	10:15

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TriMatrix Laboratories, Inc.

July 02, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806447	06/20/2008	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 28.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR5-061908-PR**	Sampled:	06/19/08 10:25
Lab Sample ID:	**0806447-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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

*See Statement of Data Qualifications

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR5-061908-PR**	Sampled:	06/19/08 10:25
Lab Sample ID:	**0806447-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	99	*79-124*
1,2-Dichloroethane-d4	100	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR5R-061908-JY**	Sampled:	06/19/08 10:30
Lab Sample ID:	**0806447-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR5R-061908-JY**	Sampled:	06/19/08 10:30
Lab Sample ID:	**0806447-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	99	*79-124*
1,2-Dichloroethane-d4	101	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5D-061908-JY**	Sampled:	06/19/08 11:28
Lab Sample ID:	**0806447-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**9.9**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5D-061908-JY**	Sampled:	06/19/08 11:28
Lab Sample ID:	**0806447-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	**5.7**	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	**4.0**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**58**	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	**1.5**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5D-061908-JY**	Sampled:	06/19/08 11:28
Lab Sample ID:	**0806447-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5D-061908-JY**	Sampled:	06/19/08 11:28
Lab Sample ID:	**0806447-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**370**	2.0	mg/L	1	USEPA-310.1	06/23/08	CAM	0807440
Chloride	**5.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.16**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Sulfate	**8.9**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.5**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-061908-PR**	Sampled:	06/19/08 13:05
Lab Sample ID:	**0806447-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW102D-061908-PR**	Sampled:	06/19/08 13:05
Lab Sample ID:	**0806447-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	100	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-061908-JY**	Sampled:	06/19/08 14:10
Lab Sample ID:	**0806447-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**4.6**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-061908-JY**	Sampled:	06/19/08 14:10
Lab Sample ID:	**0806447-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-061908-JY**	Sampled:	06/19/08 14:10
Lab Sample ID:	**0806447-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW4D-061908-JY**	Sampled:	06/19/08 14:10
Lab Sample ID:	**0806447-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	06/23/08	CAM	0807440
Chloride	**2.6**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Sulfate	**18**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-061908-JY**	Sampled:	06/19/08 15:25
Lab Sample ID:	**0806447-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-061908-JY**	Sampled:	06/19/08 15:25
Lab Sample ID:	**0806447-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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

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*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-061908-JY**	Sampled:	06/19/08 15:25
Lab Sample ID:	**0806447-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15
Unit:	ug/L	Prepared:	06/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807575	Analytical Batch:	8062515

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	102	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806447**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR4D-061908-JY**	Sampled:	06/19/08 15:25
Lab Sample ID:	**0806447-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/20/08 10:15

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**280**	2.0	mg/L	1	USEPA-310.1	06/23/08	CAM	0807440
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Sulfate	**9.1**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Chloride	**2.9**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Carbon, Total Organic	**2.7**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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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: 0807573 Direct Injection/RSK-175									
Method Blank						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane			<1.0					1.0	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane		19.1	**18.6**	97	76-125			1.0	
Methane		9.42	**9.06**	96	74-126			0.50	
Ethylene		26.4	**25.6**	97	79-121			1.0	
Laboratory Control Sample Duplicate						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane		19.1	**18.0**	94	76-125	3	20	1.0	
Methane		9.42	**8.79**	93	74-126	3	20	0.50	
Ethylene		26.4	**24.9**	94	79-121	3	20	1.0	
Duplicate 0806447-05 GW4D-061908-JY						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane	<1.0		<1.0				20	1.0	
Methane	4.58		**4.36**			5	20	0.50	
Ethylene	<1.0		<1.0				20	1.0	

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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: 0807575 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062515

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
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

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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: 0807575 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062515

1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				98	*88-115*			
1,2-Dichloroethane-d4				103	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				93	*78-116*			

Laboratory Control Sample Analyzed: 06/24/2008 By: DLV
Unit: ug/L Analytical Batch: 8062515

Chloromethane		40.0	**37.2**	93	68-130			1.0
Vinyl Chloride		40.0	**40.8**	102	73-130			1.0
Bromomethane		40.0	**63.4**	**158**	56-140			1.0
Chloroethane		40.0	**41.0**	103	71-130			1.0
1,1-Dichloroethene		40.0	**42.4**	106	81-125			1.0
Acetone		40.0	**50.2**	125	52-134			5.0
Carbon Disulfide		40.0	**40.4**	101	74-133			5.0
Methylene Chloride		40.0	**41.7**	104	74-135			1.0
trans-1,2-Dichloroethene		40.0	**41.2**	103	85-121			1.0
1,1-Dichloroethane		40.0	**40.4**	101	80-122			1.0
cis-1,2-Dichloroethene		40.0	**41.3**	103	84-121			1.0
2-Butanone (MEK)		40.0	**40.9**	102	60-134			5.0
Chloroform		40.0	**41.3**	103	86-120			1.0
1,1,1-Trichloroethane		40.0	**39.6**	99	81-123			1.0
Carbon Tetrachloride		40.0	**35.4**	89	80-126			1.0
Benzene		40.0	**42.0**	105	86-120			1.0
1,2-Dichloroethane		40.0	**41.4**	104	78-121			1.0
Trichloroethene		40.0	**42.9**	107	80-122			1.0
1,2-Dichloropropane		40.0	**42.7**	107	77-125			1.0
Bromodichloromethane		40.0	**44.0**	110	81-126			1.0
cis-1,3-Dichloropropene		40.0	**36.4**	91	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**41.9**	105	57-134			5.0
Toluene		40.0	**41.5**	104	87-123			1.0
trans-1,3-Dichloropropene		40.0	**35.4**	89	70-125			1.0
1,1,2-Trichloroethane		40.0	**43.7**	109	86-123			1.0
Tetrachloroethene		40.0	**39.3**	98	85-115			1.0
2-Hexanone		40.0	**38.3**	96	53-137			5.0

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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: 0807575 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	06/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062515	
Dibromochloromethane		40.0	**37.0**	93	77-114		1.0	
Chlorobenzene		40.0	**39.3**	98	88-114		1.0	
Ethylbenzene		40.0	**40.2**	100	86-116		1.0	
Xylene (Total)		120	**124**	103	88-115		3.0	
Tetrahydrofuran		40.0	**37.8**	94	60-122		10	
Styrene		40.0	**37.4**	94	81-115		1.0	
Bromoform		40.0	**35.1**	88	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**35.5**	89	81-127		1.0	
Surrogates								
Dibromofluoromethane				100	*88-115*			
1,2-Dichloroethane-d4				98	*81-116*			
Toluene-d8				103	*87-113*			
4-Bromofluorobenzene				102	*78-116*			
Matrix Spike 0806447-05 GW4D-061908-JY						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062515	
Chloromethane	<1.0	40.0	**34.9**	87	66-132		1.0	
Vinyl Chloride	<1.0	40.0	**41.3**	103	71-136		1.0	
Bromomethane	<1.0	40.0	**59.6**	**149**	52-127		1.0	
Chloroethane	<1.0	40.0	**42.0**	105	77-141		1.0	
1,1-Dichloroethene	<1.0	40.0	**42.5**	106	85-130		1.0	
Acetone	<5.0	40.0	**37.2**	93	54-146		5.0	
Carbon Disulfide	<5.0	40.0	**42.8**	107	68-145		5.0	
Methylene Chloride	<1.0	40.0	**40.8**	102	87-119		1.0	
trans-1,2-Dichloroethene	<1.0	40.0	**40.9**	102	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**40.2**	101	82-125		1.0	
cis-1,2-Dichloroethene	<1.0	40.0	**40.7**	102	84-127		1.0	
2-Butanone (MEK)	<5.0	40.0	**37.1**	93	62-140		5.0	
Chloroform	<1.0	40.0	**41.5**	104	87-123		1.0	
1,1,1-Trichloroethane	<1.0	40.0	**39.9**	100	82-126		1.0	
Carbon Tetrachloride	<1.0	40.0	**36.1**	90	83-126		1.0	
Benzene	<1.0	40.0	**41.0**	102	84-127		1.0	
1,2-Dichloroethane	<1.0	40.0	**40.0**	100	79-120		1.0	
Trichloroethene	<1.0	40.0	**39.2**	98	81-124		1.0	
1,2-Dichloropropane	<1.0	40.0	**41.6**	104	81-125		1.0	
Bromodichloromethane	<1.0	40.0	**43.7**	109	77-130		1.0	

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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: 0807575 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 0806447-05 GW4D-061908-JY						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062515	
cis-1,3-Dichloropropene	<1.0	40.0	**36.9**	92	68-122			1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**37.7**	94	55-139			5.0
Toluene	0.590	40.0	**41.3**	102	88-125			1.0
trans-1,3-Dichloropropene	<1.0	40.0	**35.9**	90	72-121			1.0
1,1,2-Trichloroethane	<1.0	40.0	**42.9**	107	84-122			1.0
Tetrachloroethene	<1.0	40.0	**40.7**	102	83-117			1.0
2-Hexanone	<5.0	40.0	**35.7**	89	46-142			5.0
Dibromochloromethane	<1.0	40.0	**37.6**	94	83-110			1.0
Chlorobenzene	<1.0	40.0	**39.5**	99	89-115			1.0
Ethylbenzene	<1.0	40.0	**40.6**	101	87-118			1.0
Xylene (Total)	<3.0	120	**125**	105	88-115			3.0
Tetrahydrofuran	<10	40.0	**35.1**	88	70-119			10
Styrene	<1.0	40.0	**37.5**	94	84-114			1.0
Bromoform	<1.0	40.0	**35.4**	88	70-123			1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**37.2**	93	82-123			1.0
Surrogates								
Dibromofluoromethane				101	*88-115*			
1,2-Dichloroethane-d4				97	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				104	*78-116*			
Matrix Spike Duplicate 0806447-05 GW4D-061908-JY						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062515	
Chloromethane	<1.0	40.0	**37.0**	93	66-132	6	13	1.0
Vinyl Chloride	<1.0	40.0	**42.8**	107	71-136	4	10	1.0
Bromomethane	<1.0	40.0	**65.7**	**164**	52-127	10	18	1.0
Chloroethane	<1.0	40.0	**43.4**	108	77-141	3	13	1.0
1,1-Dichloroethene	<1.0	40.0	**44.4**	111	85-130	4	10	1.0
Acetone	<5.0	40.0	**39.1**	98	54-146	5	27	5.0
Carbon Disulfide	<5.0	40.0	**44.6**	112	68-145	4	16	5.0
Methylene Chloride	<1.0	40.0	**42.4**	106	87-119	4	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**42.4**	106	87-125	4	9	1.0
1,1-Dichloroethane	<1.0	40.0	**42.0**	105	82-125	4	10	1.0
cis-1,2-Dichloroethene	<1.0	40.0	**42.6**	107	84-127	5	9	1.0
2-Butanone (MEK)	<5.0	40.0	**37.1**	93	62-140	0.08	20	5.0
Chloroform	<1.0	40.0	**42.4**	106	87-123	2	8	1.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0807575 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0806447-05 GW4D-061908-JY — Analyzed: 06/25/2008 By: DLV
Unit: ug/L — Analytical Batch: 8062515

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
1,1,1-Trichloroethane	<1.0	40.0	**42.0**	105	82-126	5	9	1.0
Carbon Tetrachloride	<1.0	40.0	**37.8**	95	83-126	5	10	1.0
Benzene	<1.0	40.0	**42.6**	107	84-127	4	8	1.0
1,2-Dichloroethane	<1.0	40.0	**41.7**	104	79-120	4	8	1.0
Trichloroethene	<1.0	40.0	**41.7**	104	81-124	6	8	1.0
1,2-Dichloropropane	<1.0	40.0	**42.9**	107	81-125	3	10	1.0
Bromodichloromethane	<1.0	40.0	**45.2**	113	77-130	3	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**38.9**	97	68-122	5	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**39.7**	99	55-139	5	9	5.0
Toluene	0.590	40.0	**42.9**	106	88-125	4	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**37.5**	94	72-121	4	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**43.7**	109	84-122	2	10	1.0
Tetrachloroethene	<1.0	40.0	**41.8**	104	83-117	2	8	1.0
2-Hexanone	<5.0	40.0	**36.1**	90	46-142	1	10	5.0
Dibromochloromethane	<1.0	40.0	**38.4**	96	83-110	2	9	1.0
Chlorobenzene	<1.0	40.0	**40.6**	101	89-115	3	8	1.0
Ethylbenzene	<1.0	40.0	**41.1**	103	87-118	1	7	1.0
Xylene (Total)	<3.0	120	**127**	106	88-115	1	7	3.0
Tetrahydrofuran	<10	40.0	**37.9**	95	70-119	8	14	10
Styrene	<1.0	40.0	**37.9**	95	84-114	1	8	1.0
Bromoform	<1.0	40.0	**36.1**	90	70-123	2	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**38.1**	95	82-123	2	9	1.0
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				96	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				101	*78-116*			

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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: 0807440 (General Inorganic Prep)							Analyzed: 06/23/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**251**	mg/L	105	91-110			2.0
0806447-05 GW4D-061908-JY									
Matrix Spike	308	238	**550**	mg/L	102	78-117			2.0
Duplicate	308		**312**	mg/L			1	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807558 (General Inorganic Prep)							Analyzed: 06/24/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.7**	mg/L	92	88-108			1.0
0806447-05 GW4D-061908-JY									
Matrix Spike	1.36	40.0	**36.8**	mg/L	89	75-124			1.0
Matrix Spike Duplicate	1.36	40.0	**39.1**	mg/L	94	75-124	6	20	1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
0806447-05 GW4D-061908-JY									
Matrix Spike	2.64	50.0	**53.2**	mg/L	101	72-125			1.0
Matrix Spike Duplicate	2.64	50.0	**53.2**	mg/L	101	72-125	0.1	20	1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807474 (General Inorganic Prep)							Analyzed: 06/23/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.500	**0.483**	mg/L	97	90-110			0.050
0806447-05 GW4D-061908-JY									
Matrix Spike	0.140	0.500	**0.605**	mg/L	93	90-110			0.050
Matrix Spike Duplicate	0.140	0.500	**0.601**	mg/L	92	90-110	0.6	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807415 (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050

Continued on next page

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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, Nitrate**/USEPA-353.2 (Continued)								
QC Batch: 0807415 (Continued) (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Laboratory Control Sample		0.500	**0.487**	mg/L	97	90-110			0.050
0806447-05 GW4D-061908-JY									
Matrix Spike	0.0141	0.500	**0.501**	mg/L	97	90-110			0.050
Matrix Spike Duplicate	0.0141	0.500	**0.505**	mg/L	98	90-110	0.7	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807417 (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.502**	mg/L	100	90-110			0.050
0806447-05 GW4D-061908-JY									
Matrix Spike	<0.050	0.500	**0.500**	mg/L	100	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.498**	mg/L	100	90-110	0.5	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0
0806447-05 GW4D-061908-JY									
Matrix Spike	17.5	20.0	**37.5**	mg/L	100	61-156			10
Matrix Spike Duplicate	17.5	20.0	**37.6**	mg/L	100	61-156	0.3	20	10

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The LCS and/or LCSD recovery exceeded the upper control limit. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:		
0806447-01	DNR5-061908-PR	Bromomethane
0806447-02	DNR5R-061908-JY	Bromomethane
0806447-03	GW5D-061908-JY	Bromomethane
0806447-04	MW102D-061908-PR	Bromomethane
0806447-05	GW4D-061908-JY	Bromomethane
0806447-06	DNR4D-061908-JY	Bromomethane

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:		
0806447-05	GW4D-061908-JY	Bromomethane

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Chain of Custody Record

COC No. 124905

QUARTERLY SAMPLING

Page 1 of 1

For Lab Use Only
Cart: 7
VOA Rack/Tray: 377, 570 G7
Receipt Log No.: 254
Project Chemist:
Laboratory Project No.: 08060447

Client Name: EARTH TECH
Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150
Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP
Client Project No./P.O. No.: 102777.04
Invoice No: ☑ Client ☐ Other (comments)
Contact/Report To: LESLEE HARTIG

Analyses Requested: VOC, MNA

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
		01	1 DNR5-061908-PR	TM 1560	06/19	1025		X	GW	X				2	
		02	2 DNR5R-061908-JY		06/19	1030		X	GW	X				2	
		03	3 GW5D-061908-JY		06/19	1128		X	GW	X	X			9	
		04	4 MW102D-061908-JY		06/19	1305		X	GW	X				2	
		05	5 GW4D-061908-JY		06/19	1405		X	GW	X	X			9	
			6 GW4D-MS/MSD/061908-JY		06/19	1410		X	GW	X	X			9	
		06	7 DNR4D-061908-JY		06/19	1525		X	GW	X	X			9	
			8												
			9												
			10												

Sampled By (print): JOHN YACHULA
Sampler's Signature: [signature]
Company: EARTH TECH

How Shipped? Hand Carrier: FED EX
Tracking No.:

1. Relinquished By: [signature] Date: 06/19/08 Time: 1730
1. Received By: Date: Time:

2. Relinquished By: Date: Time:
2. Received By: Date: Time:

3. Relinquished By: Date: Time:
3. Received for Lab By: [signature] Date: 6-20-08 Time: 1015

Comments:

TriMatrixCOC - COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

July 03, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806477	06/21/2008	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 37.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-062008-JY**	Sampled:	06/20/08 09:35
Lab Sample ID:	**0806477-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**7.7**	0.50
74-85-1	Ethylene	**1.3**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-062008-JY**	Sampled:	06/20/08 09:35
Lab Sample ID:	**0806477-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	**11**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-062008-JY**	Sampled:	06/20/08 09:35
Lab Sample ID:	**0806477-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	103	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	96	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17D-062008-JY**	Sampled:	06/20/08 09:35
Lab Sample ID:	**0806477-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	06/24/08	CAM	0807517
Chloride	**6.4**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.10**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Sulfate	**19**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB4-062008-JY**	Sampled:	06/20/08 10:03
Lab Sample ID:	**0806477-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB4-062008-JY**	Sampled:	06/20/08 10:03
Lab Sample ID:	**0806477-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	101	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	104	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-062008-JY**	Sampled:	06/20/08 10:40
Lab Sample ID:	**0806477-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW17I-062008-JY**	Sampled:	06/20/08 10:40
Lab Sample ID:	**0806477-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	102	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-062008-JY**	Sampled:	06/20/08 11:50
Lab Sample ID:	**0806477-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**12**	0.50
74-85-1	Ethylene	**1.3**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-062008-JY**	Sampled:	06/20/08 11:50
Lab Sample ID:	**0806477-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	**63**	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

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*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-062008-JY**	Sampled:	06/20/08 11:50
Lab Sample ID:	**0806477-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	101	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW5I-062008-JY**	Sampled:	06/20/08 11:50
Lab Sample ID:	**0806477-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**340**	2.0	mg/L	1	USEPA-310.1	06/24/08	CAM	0807517
Chloride	**6.0**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.097**	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.8**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-062008-PR**	Sampled:	06/20/08 12:45
Lab Sample ID:	**0806477-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**3.7**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-062008-PR**	Sampled:	06/20/08 12:45
Lab Sample ID:	**0806477-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-062008-PR**	Sampled:	06/20/08 12:45
Lab Sample ID:	**0806477-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062623

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	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-062008-PR**	Sampled:	06/20/08 12:45
Lab Sample ID:	**0806477-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**270**	2.0	mg/L	1	USEPA-310.1	06/24/08	CAM	0807517
Chloride	**3.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Sulfate	**22**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6D-062008-PR**	Sampled:	06/20/08 12:45
Lab Sample ID:	**0806477-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**270**	2.0	mg/L	1	USEPA-310.1	06/24/08	CAM	0807517
Chloride	**3.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	06/23/08	GEH	0807474
Sulfate	**22**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807417
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	06/21/08	HLB	0807415
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	06/24/08	LMA	0807558

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6I-062008-PR**	Sampled:	06/20/08 14:35
Lab Sample ID:	**0806477-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW6I-062008-PR**	Sampled:	06/20/08 14:35
Lab Sample ID:	**0806477-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	99	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	105	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW1I-062008-JY**	Sampled:	06/20/08 15:15
Lab Sample ID:	**0806477-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW1I-062008-JY**	Sampled:	06/20/08 15:15
Lab Sample ID:	**0806477-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	101	*79-124*
1,2-Dichloroethane-d4	100	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW3I-062008-JY**	Sampled:	06/20/08 16:30
Lab Sample ID:	**0806477-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW3I-062008-JY**	Sampled:	06/20/08 16:30
Lab Sample ID:	**0806477-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	99	*79-124*
1,2-Dichloroethane-d4	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW107I-062008-JY**	Sampled:	06/20/08 17:25
Lab Sample ID:	**0806477-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806477**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**MW107I-062008-JY**	Sampled:	06/20/08 17:25
Lab Sample ID:	**0806477-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/21/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	99	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	98	*70-121*

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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: 0807573 Direct Injection/RSK-175									
Method Blank						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane			<1.0					1.0	
Methane			<0.50					0.50	
Ethylene			<1.0					1.0	
Laboratory Control Sample						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane		19.1	**18.6**	97	76-125			1.0	
Methane		9.42	**9.06**	96	74-126			0.50	
Ethylene		26.4	**25.6**	97	79-121			1.0	
Laboratory Control Sample Duplicate						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane		19.1	**18.0**	94	76-125	3	20	1.0	
Methane		9.42	**8.79**	93	74-126	3	20	0.50	
Ethylene		26.4	**24.9**	94	79-121	3	20	1.0	
Duplicate 0806477-04 GW5I-062008-JY						Analyzed:		06/25/2008	By: JLB
Unit: ug/L						Analytical Batch:		8062536	
Ethane	<1.0		<1.0				20	1.0	
Methane	11.5		**10.4**			10	20	0.50	
Ethylene	1.28		**1.21**			6	20	1.0	

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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: 0807639 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062623

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
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

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062623	
1,2,3-Trichlorobenzene			<1.0				1.0	
Surrogates								
Dibromofluoromethane				99	*88-115*			
1,2-Dichloroethane-d4				101	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				97	*78-116*			
Method Blank						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062624	
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	

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062624	
2-Hexanone			<50				50	
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				97	*88-115*			
1,2-Dichloroethane-d4				100	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				99	*78-116*			
Laboratory Control Sample						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062623	
Chloromethane		40.0	**42.1**	105	68-130		1.0	
Vinyl Chloride		40.0	**43.2**	108	73-130		1.0	
Bromomethane		40.0	**40.8**	102	56-140		1.0	
Chloroethane		40.0	**44.0**	110	71-130		1.0	
1,1-Dichloroethene		40.0	**44.8**	112	81-125		1.0	
Acetone		40.0	**41.8**	105	52-134		5.0	
Carbon Disulfide		40.0	**46.6**	116	74-133		5.0	
Methylene Chloride		40.0	**48.5**	121	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**44.6**	111	85-121		1.0	
1,1-Dichloroethane		40.0	**42.7**	107	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**43.9**	110	84-121		1.0	
2-Butanone (MEK)		40.0	**41.1**	103	60-134		5.0	
Chloroform		40.0	**42.3**	106	86-120		1.0	
1,1,1-Trichloroethane		40.0	**42.9**	107	81-123		1.0	
Carbon Tetrachloride		40.0	**39.0**	97	80-126		1.0	
Benzene		40.0	**44.0**	110	86-120		1.0	
1,2-Dichloroethane		40.0	**42.2**	105	78-121		1.0	
Trichloroethene		40.0	**44.2**	111	80-122		1.0	

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062623	
1,2-Dichloropropane		40.0	**42.6**	107	77-125		1.0	
Bromodichloromethane		40.0	**46.0**	115	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**38.6**	97	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**42.2**	106	57-134		5.0	
Toluene		40.0	**44.0**	110	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**36.9**	92	70-125		1.0	
1,1,2-Trichloroethane		40.0	**43.5**	109	86-123		1.0	
Tetrachloroethene		40.0	**42.1**	105	85-115		1.0	
2-Hexanone		40.0	**40.8**	102	53-137		5.0	
Dibromochloromethane		40.0	**39.0**	97	77-114		1.0	
Chlorobenzene		40.0	**41.4**	104	88-114		1.0	
Ethylbenzene		40.0	**41.8**	104	86-116		1.0	
Xylene (Total)		120	**126**	105	88-115		3.0	
Tetrahydrofuran		40.0	**38.9**	97	60-122		10	
Styrene		40.0	**43.4**	108	81-115		1.0	
Bromoform		40.0	**37.3**	93	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**38.9**	97	81-127		1.0	
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				97	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
Laboratory Control Sample						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062624	
Chloromethane		40.0	**41.6**	104	68-130		1.0	
Vinyl Chloride		40.0	**41.3**	103	73-130		1.0	
Bromomethane		40.0	**53.9**	135	56-140		1.0	
Chloroethane		40.0	**42.6**	106	71-130		1.0	
1,1-Dichloroethene		40.0	**43.7**	109	81-125		1.0	
Acetone		40.0	**41.3**	103	52-134		5.0	
Carbon Disulfide		40.0	**38.6**	97	74-133		5.0	
Methylene Chloride		40.0	**47.8**	120	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**43.4**	108	85-121		1.0	
1,1-Dichloroethane		40.0	**41.9**	105	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**42.9**	107	84-121		1.0	

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued) Unit: ug/L						Analyzed: Analytical Batch:	06/25/2008 8062624	By: DLV
2-Butanone (MEK)		40.0	**40.7**	102	60-134			5.0
Chloroform		40.0	**41.8**	104	86-120			1.0
1,1,1-Trichloroethane		40.0	**42.3**	106	81-123			1.0
Carbon Tetrachloride		40.0	**38.2**	96	80-126			1.0
Benzene		40.0	**42.9**	107	86-120			1.0
1,2-Dichloroethane		40.0	**41.8**	105	78-121			1.0
Trichloroethene		40.0	**44.8**	112	80-122			1.0
1,2-Dichloropropane		40.0	**41.7**	104	77-125			1.0
Bromodichloromethane		40.0	**45.4**	114	81-126			1.0
cis-1,3-Dichloropropene		40.0	**37.8**	94	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**40.9**	102	57-134			5.0
Toluene		40.0	**42.8**	107	87-123			1.0
trans-1,3-Dichloropropene		40.0	**36.7**	92	70-125			1.0
1,1,2-Trichloroethane		40.0	**43.9**	110	86-123			1.0
Tetrachloroethene		40.0	**41.7**	104	85-115			1.0
2-Hexanone		40.0	**40.5**	101	53-137			5.0
Dibromochloromethane		40.0	**38.3**	96	77-114			1.0
Chlorobenzene		40.0	**40.6**	101	88-114			1.0
Ethylbenzene		40.0	**40.5**	101	86-116			1.0
Xylene (Total)		120	**123**	103	88-115			3.0
Tetrahydrofuran		40.0	**39.4**	99	60-122			10
Styrene		40.0	**42.1**	105	81-115			1.0
Bromoform		40.0	**36.7**	92	70-126			1.0
1,1,2,2-Tetrachloroethane		40.0	**37.9**	95	81-127			1.0
Surrogates								
Dibromofluoromethane				99	*88-115*			
1,2-Dichloroethane-d4				97	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				100	*78-116*			
Matrix Spike 0806477-04 GW5I-062008-JY Unit: ug/L						Analyzed: Analytical Batch:	06/26/2008 8062624	By: DLV
Chloromethane	<1.0	40.0	**42.5**	106	66-132			1.0
Vinyl Chloride	62.8	40.0	**93.1**	76	71-136			1.0
Bromomethane	<1.0	40.0	**48.1**	120	52-127			1.0
Chloroethane	4.92	40.0	**48.1**	108	77-141			1.0

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 0806477-04 GW5I-062008-JY						Analyzed:	06/26/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062624	
1,1-Dichloroethene	<1.0	40.0	**44.8**	112	85-130		1.0	
Acetone	<5.0	40.0	**44.9**	112	54-146		5.0	
Carbon Disulfide	<5.0	40.0	**39.5**	99	68-145		5.0	
Methylene Chloride	1.27	40.0	**50.7**	**124**	87-119		1.0	
trans-1,2-Dichloroethene	<1.0	40.0	**44.4**	111	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**43.4**	109	82-125		1.0	
cis-1,2-Dichloroethene	0.620	40.0	**45.9**	113	84-127		1.0	
2-Butanone (MEK)	<5.0	40.0	**40.4**	101	62-140		5.0	
Chloroform	<1.0	40.0	**43.1**	108	87-123		1.0	
1,1,1-Trichloroethane	<1.0	40.0	**42.3**	106	82-126		1.0	
Carbon Tetrachloride	<1.0	40.0	**38.2**	96	83-126		1.0	
Benzene	<1.0	40.0	**44.4**	111	84-127		1.0	
1,2-Dichloroethane	<1.0	40.0	**42.9**	107	79-120		1.0	
Trichloroethene	<1.0	40.0	**44.0**	110	81-124		1.0	
1,2-Dichloropropane	<1.0	40.0	**42.5**	106	81-125		1.0	
Bromodichloromethane	<1.0	40.0	**46.5**	116	77-130		1.0	
cis-1,3-Dichloropropene	<1.0	40.0	**35.5**	89	68-122		1.0	
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**40.8**	102	55-139		5.0	
Toluene	<1.0	40.0	**44.1**	110	88-125		1.0	
trans-1,3-Dichloropropene	<1.0	40.0	**33.7**	84	72-121		1.0	
1,1,2-Trichloroethane	<1.0	40.0	**44.3**	111	84-122		1.0	
Tetrachloroethene	<1.0	40.0	**40.1**	100	83-117		1.0	
2-Hexanone	<5.0	40.0	**39.6**	99	46-142		5.0	
Dibromochloromethane	<1.0	40.0	**37.5**	94	83-110		1.0	
Chlorobenzene	<1.0	40.0	**41.1**	103	89-115		1.0	
Ethylbenzene	<1.0	40.0	**41.2**	103	87-118		1.0	
Xylene (Total)	<3.0	120	**124**	103	88-115		3.0	
Tetrahydrofuran	<10	40.0	**41.7**	104	70-119		10	
Styrene	<1.0	40.0	**42.6**	106	84-114		1.0	
Bromoform	<1.0	40.0	**35.0**	88	70-123		1.0	
1,1,2,2-Tetrachloroethane	<1.0	40.0	**38.1**	95	82-123		1.0	
Surrogates								
Dibromofluoromethane				101	*88-115*			
1,2-Dichloroethane-d4				100	*81-116*			
Toluene-d8				104	*87-113*			
4-Bromofluorobenzene				100	*78-116*			

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate 0806477-04 GW5I-062008-JY — Analyzed: 06/26/2008 By: DLV
Unit: ug/L — Analytical Batch: 8062624

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chloromethane	<1.0	40.0	**43.0**	107	66-132	1	13	1.0
Vinyl Chloride	62.8	40.0	**95.2**	81	71-136	2	10	1.0
Bromomethane	<1.0	40.0	**51.1**	**128**	52-127	6	18	1.0
Chloroethane	4.92	40.0	**49.5**	112	77-141	3	13	1.0
1,1-Dichloroethene	<1.0	40.0	**46.7**	117	85-130	4	10	1.0
Acetone	<5.0	40.0	**47.7**	119	54-146	6	27	5.0
Carbon Disulfide	<5.0	40.0	**40.7**	102	68-145	3	16	5.0
Methylene Chloride	1.27	40.0	**37.9**	92	87-119	**29**	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**44.8**	112	87-125	1	9	1.0
1,1-Dichloroethane	<1.0	40.0	**43.3**	108	82-125	0.2	10	1.0
cis-1,2-Dichloroethene	0.620	40.0	**46.0**	114	84-127	0.4	9	1.0
2-Butanone (MEK)	<5.0	40.0	**42.2**	106	62-140	4	20	5.0
Chloroform	<1.0	40.0	**43.6**	109	87-123	1	8	1.0
1,1,1-Trichloroethane	<1.0	40.0	**43.1**	108	82-126	2	9	1.0
Carbon Tetrachloride	<1.0	40.0	**39.2**	98	83-126	3	10	1.0
Benzene	<1.0	40.0	**44.9**	112	84-127	1	8	1.0
1,2-Dichloroethane	<1.0	40.0	**43.1**	108	79-120	0.5	8	1.0
Trichloroethene	<1.0	40.0	**45.0**	113	81-124	2	8	1.0
1,2-Dichloropropane	<1.0	40.0	**43.1**	108	81-125	1	10	1.0
Bromodichloromethane	<1.0	40.0	**46.5**	116	77-130	0.06	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**36.3**	91	68-122	2	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**43.1**	108	55-139	6	9	5.0
Toluene	<1.0	40.0	**44.6**	111	88-125	1	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**34.5**	86	72-121	2	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**44.2**	111	84-122	0.02	10	1.0
Tetrachloroethene	<1.0	40.0	**41.2**	103	83-117	3	8	1.0
2-Hexanone	<5.0	40.0	**41.6**	104	46-142	5	10	5.0
Dibromochloromethane	<1.0	40.0	**37.9**	95	83-110	1	9	1.0
Chlorobenzene	<1.0	40.0	**42.2**	105	89-115	3	8	1.0
Ethylbenzene	<1.0	40.0	**41.7**	104	87-118	1	7	1.0
Xylene (Total)	<3.0	120	**126**	105	88-115	2	7	3.0
Tetrahydrofuran	<10	40.0	**42.7**	107	70-119	2	14	10
Styrene	<1.0	40.0	**43.3**	108	84-114	2	8	1.0
Bromoform	<1.0	40.0	**36.1**	90	70-123	3	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**39.3**	98	82-123	3	9	1.0
Surrogates								
Dibromofluoromethane				100	*88-115*			

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 0806477-04 GW5I-062008-JY — Analyzed: 06/26/2008 By: DLV
Unit: ug/L — Analytical Batch: 8062624

Surrogates (Continued)		
1,2-Dichloroethane-d4	99	*81-116*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	100	*78-116*

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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: 0807517 (General Inorganic Prep)							Analyzed: 06/24/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**235**	mg/L	99	91-110			2.0
0806477-04 GW5I-062008-JY									
Matrix Spike	335	238	**549**	mg/L	90	78-117			2.0
Duplicate	335		**311**	mg/L			7	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807558 (General Inorganic Prep)							Analyzed: 06/24/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.7**	mg/L	92	88-108			1.0
0806477-04 GW5I-062008-JY									
Matrix Spike	2.81	40.0	**40.0**	mg/L	93	75-124			1.0
Matrix Spike Duplicate	2.81	40.0	**36.0**	mg/L	83	75-124	10	20	1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
0806477-04 GW5I-062008-JY									
Matrix Spike	5.96	50.0	**56.4**	mg/L	101	72-125			1.0
Matrix Spike Duplicate	5.96	50.0	**56.4**	mg/L	101	72-125	0.03	20	1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807474 (General Inorganic Prep)							Analyzed: 06/23/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.500	**0.483**	mg/L	97	90-110			0.050
0806477-04 GW5I-062008-JY									
Matrix Spike	0.0974	0.500	**0.572**	mg/L	95	90-110			0.050
Matrix Spike Duplicate	0.0974	0.500	**0.572**	mg/L	95	90-110	0.02	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807415 (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050

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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, Nitrate**/USEPA-353.2 (Continued)								
QC Batch: 0807415 (Continued) (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Laboratory Control Sample		0.500	**0.487**	mg/L	97	90-110			0.050
0806477-04 GW5I-062008-JY									
Matrix Spike	<0.050	0.500	**0.510**	mg/L	102	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.511**	mg/L	102	90-110	0.2	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807417 (Method-Specific Preparation)							Analyzed: 06/21/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.502**	mg/L	100	90-110			0.050
0806477-04 GW5I-062008-JY									
Matrix Spike	<0.050	0.500	**0.507**	mg/L	101	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.508**	mg/L	102	90-110	0.09	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0
0806477-04 GW5I-062008-JY									
Matrix Spike	20.1	20.0	**39.6**	mg/L	98	61-156			10
Matrix Spike Duplicate	20.1	20.0	**39.8**	mg/L	98	61-156	0.4	20	10

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification:	The RPD between the MS and MSD results exceeded the control limit. The non-spiked sample result is considered estimated.	
Analysis:	USEPA-8260B	
Sample/Analyte:	0806477-04 GW5I-062008-JY	Methylene Chloride
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:	0806477-04 GW5I-062008-JY	Bromomethane

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For Lab Use Only

Cart: 3
VOA Rack/Tray: 359G 601R
Receipt Log No.: 27-8
Project Chemist:
Laboratory Project No.: E-0806477

Client Name: EARTH TECH
Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150
Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP
Client Project No./P.O. No.: 102777.04
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, MNA

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	Container Type	Number of Containers Submitted	Test	Sample Comments
02		01	1 GW17D-062008-JY	TM 1744	06/20	0935		X	GW	X X		9	
01		02	2 FB4-062008-JY		06/20	1003		X	GW	X		2	
↓		03	3 GW17I-062008-JY		06/20	1040		X	GW	X		2	
02		04	4 GW5I-062008-JY		06/20	1145		X	GW	X X		9	* MS/MSD
↓		X	5 GW5I-062008-JY		06/20	1150		X	GW	X X		9	
↓		05	6 GW6D-062008-~~JY~~PR		06/20	1245		X	GW	X X		9	
01		06	7 GW6I-062008-PR		06/20	1435		X	GW	X		2	
↓		07	8 GW1I-062008-JY		06/20	1515		X	GW	X		2	
↓		08	9 GW3I-062008-JY		06/20	1630		X	GW	X		2	
↓		09	10 MW107I-062008-JY		06/20	1725		X	GW	X		2	

Sampled By (print): JOHN YANCHULA
Sampler's Signature: [signature]
Company: EARTH TECH

How Shipped? Hand Carrier FED EX
Tracking No.

Comments: * MS/MSD added by login staff, per sample labels

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	06/20/08	1830						

Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	6/21/08	0845

FedEx

TriMatrixCOC -- COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TriMatrix Laboratories, Inc.

July 09, 2008

EARTH TECH - Livonia
Attn: Ms. Leslie Hartig
36133 Schoolcraft Road
Livonia, MI 48150

Project: Rose Township Groundwater Monitoring

Dear Ms. Leslie Hartig,

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
0806497	06/24/2008	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 48.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-062308-JY**	Sampled:	06/23/08 09:00
Lab Sample ID:	**0806497-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**3.1**	0.50
74-85-1	Ethylene	**0.46**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-062308-JY**	Sampled:	06/23/08 09:00
Lab Sample ID:	**0806497-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	**0.63**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-062308-JY**	Sampled:	06/23/08 09:00
Lab Sample ID:	**0806497-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	102	*75-128*
Toluene-d8	104	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19S-062308-JY**	Sampled:	06/23/08 09:00
Lab Sample ID:	**0806497-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**3.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.072**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.016**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**24**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19R-062308-JY**	Sampled:	06/23/08 09:05
Lab Sample ID:	**0806497-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**0.46**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19R-062308-JY**	Sampled:	06/23/08 09:05
Lab Sample ID:	**0806497-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	**0.72**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19R-062308-JY**	Sampled:	06/23/08 09:05
Lab Sample ID:	**0806497-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	101	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19R-062308-JY**	Sampled:	06/23/08 09:05
Lab Sample ID:	**0806497-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**3.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.067**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.016**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**23**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.6**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-062308-JY**	Sampled:	06/23/08 10:10
Lab Sample ID:	**0806497-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-062308-JY**	Sampled:	06/23/08 10:10
Lab Sample ID:	**0806497-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-062308-JY**	Sampled:	06/23/08 10:10
Lab Sample ID:	**0806497-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	103	*75-128*
Toluene-d8	104	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW19D-062308-JY**	Sampled:	06/23/08 10:10
Lab Sample ID:	**0806497-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**290**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**5.2**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.015**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**25**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.6**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-062308-JY**	Sampled:	06/23/08 11:20
Lab Sample ID:	**0806497-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-062308-JY**	Sampled:	06/23/08 11:20
Lab Sample ID:	**0806497-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-062308-JY**	Sampled:	06/23/08 11:20
Lab Sample ID:	**0806497-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	101	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20I-062308-JY**	Sampled:	06/23/08 11:20
Lab Sample ID:	**0806497-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.016**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**7.7**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Carbon, Total Organic	**2.7**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-062308-JY**	Sampled:	06/23/08 12:05
Lab Sample ID:	**0806497-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**2.0**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-062308-JY**	Sampled:	06/23/08 12:05
Lab Sample ID:	**0806497-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-062308-JY**	Sampled:	06/23/08 12:05
Lab Sample ID:	**0806497-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20D-062308-JY**	Sampled:	06/23/08 12:05
Lab Sample ID:	**0806497-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**6.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Nitrogen, Nitrate	**0.013**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-062308-JY**	Sampled:	06/23/08 12:10
Lab Sample ID:	**0806497-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**18**	0.50
74-85-1	Ethylene	**1.9**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-062308-JY**	Sampled:	06/23/08 12:10
Lab Sample ID:	**0806497-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	**17**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-062308-JY**	Sampled:	06/23/08 12:10
Lab Sample ID:	**0806497-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	101	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW20R-062308-JY**	Sampled:	06/23/08 12:10
Lab Sample ID:	**0806497-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.012**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**5.6**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.4**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB5-062308-JY**	Sampled:	06/23/08 12:40
Lab Sample ID:	**0806497-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	**5.3**	25
75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	**1.5**	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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**FB5-062308-JY**	Sampled:	06/23/08 12:40
Lab Sample ID:	**0806497-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	100	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	105	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-062308-JY**	Sampled:	06/23/08 13:45
Lab Sample ID:	**0806497-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**18**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-062308-JY**	Sampled:	06/23/08 13:45
Lab Sample ID:	**0806497-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-062308-JY**	Sampled:	06/23/08 13:45
Lab Sample ID:	**0806497-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	103	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21D-062308-JY**	Sampled:	06/23/08 13:45
Lab Sample ID:	**0806497-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**300**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**1.9**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.22**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Sulfate	**2.5**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.013**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-062308-JY**	Sampled:	06/23/08 13:20
Lab Sample ID:	**0806497-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**0.51**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-062308-JY**	Sampled:	06/23/08 13:20
Lab Sample ID:	**0806497-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-062308-JY**	Sampled:	06/23/08 13:20
Lab Sample ID:	**0806497-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	99	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW21S-062308-JY**	Sampled:	06/23/08 13:20
Lab Sample ID:	**0806497-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Chloride	**7.1**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.15**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Alkalinity, Total	**310**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Nitrogen, Nitrate	**0.014**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Carbon, Total Organic	**2.3**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-062308-JY**	Sampled:	06/23/08 15:15
Lab Sample ID:	**0806497-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	06/25/08 By: JLB
QC Batch:	0807573	Analytical Batch:	8062536

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	**18**	0.50
74-85-1	Ethylene	**0.38**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-062308-JY**	Sampled:	06/23/08 15:15
Lab Sample ID:	**0806497-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-062308-JY**	Sampled:	06/23/08 15:15
Lab Sample ID:	**0806497-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/26/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	102	*75-128*
Toluene-d8	103	*87-113*
4-Bromofluorobenzene	94	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**GW18-062308-JY**	Sampled:	06/23/08 15:15
Lab Sample ID:	**0806497-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**320**	2.0	mg/L	1	USEPA-310.1	06/26/08	CAM	0807596
Chloride	**5.2**	1.0	mg/L	1	USEPA-325.2	06/25/08	GEH	0807594
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	06/27/08	GEH	0807701
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	06/25/08	GEH	0807605
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807716
Nitrogen, Nitrate	**0.016**	0.050	mg/L	1	USEPA-353.2	06/25/08	HLB	0807717
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	07/02/08	LMA	0807906

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR6-062308-JY**	Sampled:	06/23/08 15:55
Lab Sample ID:	**0806497-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	**0.40**	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	**3.2**	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	**3.8**	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	**0.14**	1.0

Continued on next page

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ANALYTICAL REPORT

Client:	**EARTH TECH - Livonia**	Work Order:	**0806497**
Project:	Rose Township Groundwater Monitoring	Description:	Laboratory Services
Client Sample ID:	**DNR6-062308-JY**	Sampled:	06/23/08 15:55
Lab Sample ID:	**0806497-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	06/24/08 08:45
Unit:	ug/L	Prepared:	06/25/08 By: DLV
Dilution Factor:	1	Date Analyzed:	06/25/08 By: DLV
QC Batch:	0807639	Analytical Batch:	8062624

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	100	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	98	*70-121*

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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: 0807573 Direct Injection/RSK-175								
Method Blank						Analyzed:		06/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062536
Ethane			<1.0					1.0
Methane			**0.100**					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		06/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062536
Ethane		19.1	**18.6**	97	76-125			1.0
Methane		9.42	**9.06**	96	74-126			0.50
Ethylene		26.4	**25.6**	97	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		06/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8062536
Ethane		19.1	**18.0**	94	76-125	3	20	1.0
Methane		9.42	**8.79**	93	74-126	3	20	0.50
Ethylene		26.4	**24.9**	94	79-121	3	20	1.0

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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: 0807639 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062624

Chloromethane	<1.0	1.0
Vinyl Chloride	<1.0	1.0
Bromomethane	**0.600**	1.0
Chloroethane	<1.0	1.0
Bromochloromethane	<1.0	1.0
1,1-Dichloroethene	<1.0	1.0
Acetone	**2.00**	25
Carbon Disulfide	**3.29**	5.0
Methylene Chloride	**1.42**	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	**0.100**	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
Dibromochloromethane	<1.0	1.0
Chlorobenzene	**0.160**	1.0
Ethylbenzene	**0.110**	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

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062624

1,2,3-Trichlorobenzene			**0.400**					1.0
Surrogates								
Dibromofluoromethane				97	*88-115*			
1,2-Dichloroethane-d4				100	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				99	*78-116*			

Laboratory Control Sample Analyzed: 06/25/2008 By: DLV
Unit: ug/L Analytical Batch: 8062624

Chloromethane		40.0	**41.6**	104	68-130			1.0
Vinyl Chloride		40.0	**41.3**	103	73-130			1.0
Bromomethane		40.0	**53.9**	135	56-140			1.0
Chloroethane		40.0	**42.6**	106	71-130			1.0
1,1-Dichloroethene		40.0	**43.7**	109	81-125			1.0
Acetone		40.0	**41.3**	103	52-134			5.0
Carbon Disulfide		40.0	**38.6**	97	74-133			5.0
Methylene Chloride		40.0	**47.8**	120	74-135			1.0
trans-1,2-Dichloroethene		40.0	**43.4**	108	85-121			1.0
1,1-Dichloroethane		40.0	**41.9**	105	80-122			1.0
cis-1,2-Dichloroethene		40.0	**42.9**	107	84-121			1.0
2-Butanone (MEK)		40.0	**40.7**	102	60-134			5.0
Chloroform		40.0	**41.8**	104	86-120			1.0
1,1,1-Trichloroethane		40.0	**42.3**	106	81-123			1.0
Carbon Tetrachloride		40.0	**38.2**	96	80-126			1.0
Benzene		40.0	**42.9**	107	86-120			1.0
1,2-Dichloroethane		40.0	**41.8**	105	78-121			1.0
Trichloroethene		40.0	**44.8**	112	80-122			1.0
1,2-Dichloropropane		40.0	**41.7**	104	77-125			1.0
Bromodichloromethane		40.0	**45.4**	114	81-126			1.0
cis-1,3-Dichloropropene		40.0	**37.8**	94	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**40.9**	102	57-134			5.0
Toluene		40.0	**42.8**	107	87-123			1.0
trans-1,3-Dichloropropene		40.0	**36.7**	92	70-125			1.0
1,1,2-Trichloroethane		40.0	**43.9**	110	86-123			1.0
Tetrachloroethene		40.0	**41.7**	104	85-115			1.0
2-Hexanone		40.0	**40.5**	101	53-137			5.0

Continued on next page

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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: 0807639 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	06/25/2008	By: DLV
Unit: ug/L						Analytical Batch:	8062624	
Dibromochloromethane		40.0	**38.3**	96	77-114		1.0	
Chlorobenzene		40.0	**40.6**	101	88-114		1.0	
Ethylbenzene		40.0	**40.5**	101	86-116		1.0	
Xylene (Total)		120	**123**	103	88-115		3.0	
Tetrahydrofuran		40.0	**39.4**	99	60-122		10	
Styrene		40.0	**42.1**	105	81-115		1.0	
Bromoform		40.0	**36.7**	92	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**37.9**	95	81-127		1.0	
Surrogates								
Dibromofluoromethane				99	*88-115*			
1,2-Dichloroethane-d4				97	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				100	*78-116*			

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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: 0807596 (General Inorganic Prep)							Analyzed: 06/26/2008 By: CAM		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**237**	mg/L	100	91-110			2.0
0806497-02 GW19R-062308-JY									
Matrix Spike	304	238	**540**	mg/L	99	78-117			2.0
Duplicate	304		**290**	mg/L			5	20	2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0807906 (General Inorganic Prep)							Analyzed: 07/02/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**36.2**	mg/L	91	88-108			1.0
0806497-01 GW19S-062308-JY									
Matrix Spike	1.32	40.0	**35.7**	mg/L	86	80-115			1.0
Matrix Spike Duplicate	1.32	40.0	**36.1**	mg/L	87	80-115	1	20	1.0
Analyte:	**Chloride**/USEPA-325.2								
QC Batch: 0807594 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**53.9**	mg/L	108	92-109			1.0
Analyte:	**Nitrogen, Ammonia**/USEPA-350.1								
QC Batch: 0807701 (General Inorganic Prep)							Analyzed: 06/27/2008 By: GEH		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.484**	mg/L	97	90-110			0.050
0806497-01 GW19S-062308-JY									
Matrix Spike	0.0724	0.500	**0.553**	mg/L	96	90-110			0.050
Matrix Spike Duplicate	0.0724	0.500	**0.557**	mg/L	97	90-110	0.9	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0807717 (Method-Specific Preparation)							Analyzed: 06/25/2008 By: HLB		
Method Blank			**0.00912**	mg/L					0.050

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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, Nitrate**/USEPA-353.2 (Continued)								
QC Batch: 0807717 (Continued) (Method-Specific Preparation)							Analyzed: 06/25/2008 By: HLB		
Laboratory Control Sample		0.500	**0.487**	mg/L	97	90-110			0.050
0806497-04 GW20I-062308-JY									
Matrix Spike	0.0159	0.500	**0.490**	mg/L	95	90-110			0.050
Matrix Spike Duplicate	0.0159	0.500	**0.499**	mg/L	97	90-110	2	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0807716 (Method-Specific Preparation)							Analyzed: 06/25/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.509**	mg/L	102	90-110			0.050
0806497-04 GW20I-062308-JY									
Matrix Spike	<0.050	0.500	**0.493**	mg/L	99	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.500**	mg/L	100	90-110	1	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0807605 (General Inorganic Prep)							Analyzed: 06/25/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0

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STATEMENT OF DATA QUALIFICATIONS

All analyses have been validated and comply with our Quality Control Program. No Qualifications required.

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Chain of Custody Record

COC No. 124910

QUARTERLY SAMPLING

Page 1 of 2

For Lab Use Only

Cart: 3

VOA Rack/Tray: 74B 355 W

Receipt Log No.: 31-5

Project Manager: W

Laboratory Project No.: E-0806497

Client Name: EARTH TECH

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone: 734 779 2800
Fax: 734 779 2810

Project Name: ROSE TWP

Client Project No./P.O. No.: 102777.04

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, MNA

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 GW19S-062308-JY	TM 1257	06/23	0900		X	GW	X	X			9	
		02	2 GW19R-062308-JY		06/23	0905		X	GW	X	X			9	
		03	3 GW19D-062308-JY		06/23	1010		X	GW	X	X			9	
		04	4 GW20I-062308-JY		06/23	1120		X	GW	X	X			9	
		05	5 GW20D-062308-JY		06/23	1205		X	GW	X	X			9	
		06	6 GW20R-062308-JY		06/23	1210		X	GW	X	X			9	
FB 01	W2	07	7 FB5-062308-JY		06/23	1240		X	W	X				2	
02		08	8 GW21D-062308-JY		06/23	1345		X	GW	X	X			9	
		09	9 GW21S-062308-JY		06/23	1320		X	GW	X	X			9	
		10	10 GW18-062308-JY		06/23	1515		X	GW	X	X			9	

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

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
[signature]	06/23/08	1800						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						[signature]	6/24/08	0845

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Chain of Custody Record

COC No. 124911

Page 2 of 3

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Cart: 3
VOA Rack/Tray: 74B 355 W
Receipt Log No.: 31-5
Project Chemist: (W)
Laboratory Project No.: E-0806497

Client Name: EARTH TECH
Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150
Phone 734 779 2800
Fax 734 779 2800

Project Name: ROSE TWP
Client Project No./P.O. No.: 102777.04
Invoice No.: ☒ Client ☐ Other (comments)
Contact Report To: LESLIE HARTIG

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	GRAB	COMP	Matrix	Number of Containers Submitted	Total	Sample Comments
		Hold	DNR6-062308-JY	TM 1257	6/23	1555	X		GW	X		CALL LESLIE. Added VOCs 6/25/08 (W) for Leslie H.

Sampled By (print): JOHN YANCHULA
Sampler's Signature: [signature]
Company: EARTH TECH

How Shipped? Hand Carrier FED EX
Tracking No.:

Comments: CALL LESLIE HARTIG BEFORE RUNNING
DNR-062308-JY

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	06/23/08	1500						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Laboratory	Date	Time
						[signature]	6/24/08	0845

TriMatrixCOC - COC WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

Appendix C

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Apr-06
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)
4/1/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/2/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/3/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/4/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/5/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/6/2008		72,000	24	100		180,571	24	100		170,857	24	100		0	0	0		0	0	0		51,143	24	100		0		524,857
4/7/2008	276,187,000	73,286	24	100	40,186,000	182,143	24	100	312,752,000	172,143	24	100	128,271,000	0	0	0	109,828,000	0	0	0	283,393,000	51,571	24	100	279,042	0	1,459,751,000	529,571
4/8/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/9/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/10/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/11/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/12/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/13/2008		73,286	24	100		182,143	24	100		172,143	24	100		0	0	0		0	0	0		51,571	24	100		0		529,571
4/14/2008	276,700,000	74,143	24	100	41,461,000	181,286	24	100	313,957,000	171,143	24	100	128,271,000	0	0	0	109,828,000	0	0	0	283,754,000	51,714	24	100	279,042	0	1,463,458,000	527,000
4/15/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/16/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/17/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/18/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/19/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/20/2008		74,143	24	100		181,286	24	100		171,143	24	100		0	0	0		0	0	0		51,714	24	100		0		527,000
4/21/2008	277,219,000	72,857	24	100	42,730,000	176,571	24	100	315,155,000	166,714	24	100	128,271,000	0	0	0	109,828,000	0	0	0	284,116,000	50,429	24	100	279,042	0	1,467,147,000	513,429
4/22/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/23/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/24/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/25/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/26/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/27/2008		72,857	24	100		176,571	24	100		166,714	24	100		0	0	0		0	0	0		50,429	24	100		0		513,429
4/28/2008	277,729,000	74,714	24	100	43,966,000	182,143	24	100	316,322,000	172,000	24	100	128,271,000	0	0	0	109,828,000	0	0	0	284,469,000	51,857	24	100	279,042	0	1,470,741,000	529,571
4/29/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
4/30/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
MONTHLY TOTAL		2,198,143				5,409,857				5,111,143				0				0				1,538,429				0		15,727,857
DAILY AVERAGE		73,271				180,329				170,371				0				0				51,281				0		524,262
PER. MIN. AVG.		51				125				118				0				0				36				0		364
AVG % OPERATION				100				100				100				0				0				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. PW-5 was removed from the active pumping well system and replaced with PW-1 on March 12, 2004. The counter was not reset, but PW-1 started at a total gallon count of 199,584,000 gallons.
3. PW-9 was removed from the active pumping well system and replaced with PW-3 on March 31, 2004. The counter was not reset, but PW-3 started at a total gallon count of 181,827,000 gallons.

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
May-08
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)[1]	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)
5/1/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
5/2/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
5/3/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
5/4/2008		74,714	24	100		182,143	24	100		172,000	24	100		0	0	0		0	0	0		51,857	24	100		0		529,571
5/5/2008	278,252,000	72,286	24	100	45,241,000	177,286	24	100	317,526,000	167,143	24	100	128,271,000	0	0	0	109,828,000	0	0	0	284,832,000	50,429	24	100	279,042	0	1,474,448,000	515,143
5/6/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/7/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/8/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/9/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/10/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/11/2008		72,286	24	100		177,286	24	100		167,143	24	100		0	0	0		0	0	0		50,429	24	100		0		515,143
5/12/2008	278,758,000	72,429	24	100	46,482,000	178,714	24	100	318,696,000	168,429	24	100	128,271,000	0	0	0	109,828,000	0	0	0	285,185,000	50,857	24	100	279,042	0	1,478,054,000	519,143
5/13/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/14/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/15/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/16/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/17/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/18/2008		72,429	24	100		178,714	24	100		168,429	24	100		0	0	0		0	0	0		50,857	24	100		0		519,143
5/19/2008	279,265,000	56,875	24	100	47,733,000	140,750	24	100	319,875,000	132,500	24	100	128,271,000	0	0	0	109,828,000	0	0	0	285,541,000	39,875	24	100	279,042	0	1,481,688,000	408,500
5/20/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/21/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/22/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/23/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/24/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/25/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/26/2008		56,875	24	100		140,750	24	100		132,500	24	100		0	0	0		0	0	0		39,875	24	100		0		408,500
5/27/2008	279,720,000	74,000	24	100	48,859,000	179,500	24	100	320,935,000	169,333	24	100	128,271,000	0	0	0	109,828,000	0	0	0	285,860,000	50,833	24	100	279,042	0	1,484,956,000	521,333
5/28/2008		74,000	24	100		179,500	24	100		169,333	24	100		0	0	0		0	0	0		50,833	24	100		0		521,333
5/29/2008		74,000	24	100		179,500	24	100		169,333	24	100		0	0	0		0	0	0		50,833	24	100		0		521,333
5/30/2008		74,000	24	100		179,500	24	100		179,500	24	100		0	0	0		0	0	0		50,833	24	100		0		521,333
5/31/2008		74,000	24	100		179,500	24	100		169,333	24	100		0	0	0		0	0	0		50,833	24	100		0		521,333
MONTHLY TOTAL		2,136,857				5,244,071				4,953,833				0				0				1,489,595				0		15,232,952
DAILY AVERAGE		68,931				169,164				159,801				0				0				48,051				0		491,386
PER. MIN. AVG.		48				117				111				0				0				33				0		341
AVG % OPERATION				100				100				100				0				0				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. PW-5 was removed from the active pumping well system and replaced with PW-1 on March 12, 2004. The counter was not reset, but PW-1 started at a total gallon count of 199,584,000 gallons.
3. PW-9 was removed from the active pumping well system and replaced with PW-3 on March 31, 2004. The counter was not reset, but PW-3 started at a total gallon count of 181,827,000 gallons.

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Jun-08
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)
6/1/2008		74,000	24	100		179,500	24	100		179,500	24	100		0	0	0		0	0	0		50,833	24	100		0		521,333
6/2/2008	280,164,000	77,500	24	100	49,936,000	167,571	24	100	321,951,000	158,237	24	100	128,271,000	0	0	0	109,828,000	0	0	0	286,165,000	47,714	24	100	279,042	0	1,488,084,000	482,286
6/3/2008		77,500	24	100		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/4/2008		77,500	24	100		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/5/2008		77,500	24	100		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/6/2008		77,500	24	100		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/7/2008		77,500	24	100		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/8/2008		0	0	0		167,571	24	100		158,237	24	100		0	0	0		0	0	0		47,714	24	100		0		482,286
6/9/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/10/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/11/2008	280,629,000	59,000	24	100	51,109,000	178,667	24	100	320,965,000	169,333	24	100	128,271,000	0	0	0	109,828,000	0	0	0	286,499,000	49,000	24	100	279,042	0	1,491,460,000	498,667
6/12/2008		59,000	24	100		178,667	24	100		169,333	24	100		0	0	0		0	0	0		49,000	24	100		0		498,667
6/13/2008		59,000	24	100		178,667	24	100		169,333	24	100		0	0	0		0	0	0		49,000	24	100		0		498,667
6/14/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/15/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/16/2008	280,806,000	41,714	24	100	51,645,000	177,857	24	100	321,473,000	170,714	24	100	128,271,000	0	0	0	109,828,000	0	0	0	286,646,000	49,286	24	100	279,042	0	1,492,956,000	479,571
6/17/2008		41,714	24	100		177,857	24	100		170,714	24	100		0	0	0		0	0	0		49,286	24	100		0		479,571
6/18/2008		41,714	24	100		177,857	24	100		170,714	24	100		0	0	0		0	0	0		49,286	24	100		0		479,571
6/19/2008		41,714	24	100		177,857	24	100		170,714	24	100		1,000	1	4		0	0	0		49,286	24	100		0		479,571
6/20/2008		41,714	24	100		177,857	24	100		170,714	24	100		0	0	0		35,000	24	100		49,286	24	100		0		479,571
6/21/2008		41,714	24	100		177,857	24	100		170,714	24	100		0	0	0		0	0	0		49,286	24	100		0		479,571
6/22/2008		41,714	24	100		177,857	24	100		170,714	24	100		0	0	0		0	0	0		49,286	24	100		0		479,571
6/23/2008	281,098,000	3,000	24	100	52,890,000	160,800	24	100	322,668,000	153,800	24	100	128,272,000	0	0	0	109,863,000	0	0	0	286,991,000	45,400	24	100	279,042	0	1,496,313,000	388,400
6/24/2008		0	0	0		160,800	24	100		153,800	24	100		0	0	0		0	0	0		45,400	24	100		0		388,400
6/25/2008		0	0	0		160,800	24	100		153,800	24	100		0	0	0		0	0	0		45,400	24	100		0		388,400
6/26/2008		0	0	0		160,800	24	100		153,800	24	100		0	0	0		0	0	0		45,400	24	100		0		388,400
6/27/2008		0	0	0		160,800	24	100		153,800	24	100		0	0	0		16,000	24	100		45,400	24	100		0		388,400
6/28/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/29/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
6/30/2008	281,101,000	73,600	24	100	53,694,000	171,400	24	100	323,437,000	160,750	12	50	128,272,000	0	0	0	109,879,000	0	0	0	287,218,000	55,550	24	100	279,042	0	1,498,255,000	470,000
MONTHLY TOTAL		1,084,600				4,108,900				3,919,909				1,000				51,000				1,159,383				0		11,162,333
DAILY AVERAGE		36,153				136,963				130,664				33				1,700				38,646				0		372,078
PER. MIN. AVG.		25				95				91				0				1				27				0		258
AVG % OPERATION				63				80				78				0				7				80				

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-5 was removed from the active pumping well system and replaced with PW-1 on March 12, 2004. The counter was not reset, but PW-1 started at a total gallon count of 199,584,000 gallons.
3. PW-9 was removed from the active pumping well system and replaced with PW-3 on March 31, 2004. The counter was not reset, but PW-3 started at a total gallon count of 181,827,000 gallons.
4. System shutdown occurred due to electrical outage around June 8, 2008 through June 10, 2008 (2:45 pm). PW-4 had problems restarting was not restarted until June 11, 2008
5. System was down upon arrival on June 11, 2008, system was restarted with PW1,3,4,6 running at 9:10 am
6. System was down upon arrival on June 16, 2008