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Third Quarter (September) 2008 Groundwater Monitoring Report for the Rose Township-Demode Road Site 913 Demode Road Holly, Michigan

Prepared For:

Rose Township Settling Defendants
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Auburn Hills, MI 48326

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January 2009

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1.0 INTRODUCTION

This groundwater monitoring report documents field activities and analytical results from the September 2008 (Third Quarter) 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-five groundwater monitoring wells and four active and two inactive extraction wells on September 12, 2008. A total of thirty-two groundwater monitoring wells were purged and sampled between September 15 and 18, 2008, using either low-flow pumping methods or by use of natural artesian conditions. In addition, samples were collected from three active extraction wells on September 15, 2008. This report summarizes the methods and procedures used during the monitoring event, the results of the September 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 (Figures 2 and 3). 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. Since November 2007 the residence at 487 Demode has been vacant and drinking water sample collection has not been possible. However, during August 2008 new residents acquired the property and a drinking water sample was collected during the residential sampling that occurred in September 2008. 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 (September 23, 2008) contained VC at 1.4 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 September 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 September 12 and 18, 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 September 2008 groundwater monitoring event were consistent with those established during previous quarterly monitoring events.

Thirty-two monitoring wells were sampled between September 15 and 18, 2008. Seventeen of these were purged using a peristaltic pump and dedicated tubing while four were sampled using a bladder pump and dedicated tubing. Eleven wells were purged and sampled using natural artesian flow. Additionally, three active recovery wells (PW-1, PW-4, and PW-6) were sampled on September 15, 2008. Two additional extraction wells (PW-7 and PW-8) which are normally sampled during the quarterly sampling events were not sampled during the September 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 September 12, 2008, AECOM collected static groundwater level measurements from one-hundred and twenty-five groundwater monitoring wells and three active extraction wells located both on-Site and off-Site (Table 1 and Figures 2 and 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 September 15 and 18, 2008 at thirty-two monitoring well locations and three 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-two 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 eleven monitoring wells were purged using natural artesian flow. The flowing artesian wells were sampled using a sealed k-packer wellhead assembly with a small diameter hose barb at the other end. A short section of hose attached this assembly to a flow diversion valve which controlled the amount of water flowing into the flow-through cell. The water flow into the cell was only reduced far enough not to damage the flow through cell. Field parameters were collected and recorded throughout purging activities, as described above for the low-flow sampling method on a low-flow field purge form (Appendix A). All purge water was disposed of through the on-Site groundwater remediation treatment system.

2.2.3 ACTIVE GROUNDWATER EXTRACTION WELL SAMPLING METHODS

Three active groundwater extraction wells were sampled during the September 2008 quarterly sampling event. These well samples were collected through sample collection ports built into the piping between the groundwater treatment system and each well. Field parameters, including pH, temperature, conductivity, dissolved oxygen, ORP, salinity, and turbidity, were collected and recorded on a low-flow field purge form (Appendix A) prior to the collection of the analytical sample.

2.3 ANALYTICAL METHODS

Groundwater samples were collected at thirty-five monitoring and extraction well locations. Thirty-two wells including DNR-1, DNR-4D, DNR-7, GW-17D, GW-17I, GW-18, GW-19D, GW-19S, GW-20D, GW-20I, GW-21D, GW-21S, GW-22D, GW-22I, GW-22S, GW-23D, GW-23I, GW-23S, GW-24D, GW-24I, GW-25D, GW-25I, GW-26D, GW-26I, GW-4D, GW-5I, GW-6D, MW-102D, 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.

Three active extraction wells (PW-1, 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 four monitoring wells. The wells selected for duplicate sample collection were DNR-1, GW-19S, GW-23S, and GW-26D. 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-21D and RW-5S. 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-5I, GW-24I, and MW-102D.

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

3.0 GROUNDWATER MONITORING RESULTS

A total of thirty-two groundwater monitoring wells and three active extraction wells were purged and sampled during the September 2008 quarterly groundwater monitoring event. All samples were analyzed for VOCs and thirty-two wells were analyzed for biogeochemical indicator parameters. A total of twelve QA/QC samples including equipment blanks, field blanks, duplicates, MS/MSDs, and trip blanks were also collected.

VC, TCE, and cis-1,2-DCE are the primary VOCs at the Site based on the detected concentrations and frequency of detections in the groundwater monitoring wells. The September 2008 quarterly groundwater monitoring results are summarized and discussed in the following sections.

3.1 GROUNDWATER ELEVATIONS

Water levels were measured in one hundred and twenty-five groundwater monitoring wells and four active and two inactive extraction wells on September 12, 2008. These water level data are summarized in Table 1.

Ninety-Five of the one hundred and twenty-five groundwater elevations measured were utilized to create the September 2008 groundwater contour figures. Sixty 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 thirty-nine 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 in the shallow zone ranged from 1004.42 ft. AMSL at well RW-17, located along the eastern boundary of the property, to 979.57 feet AMSL at monitoring well GW-26I, located off-Site to the northeast of the Site. The groundwater flow direction on-Site is generally from south to north at a horizontal gradient of approximately 0.001 feet/foot (ft/ft) across the southern and central portions of the property. The gradient steepens upgradient of extraction well PW-6 to 0.02 ft/ft and then flattens out downgradient of PW-6 (0.002 ft/ft) to the

northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.02 ft/ft. (Figure 2).

The groundwater level elevations in the deep zone ranged from 1004.42 ft. AMSL at well RW-17, located along the eastern boundary of the property, to 981.74 feet AMSL at monitoring well GW-26D, located off-Site to the northeast of the Site. The flow direction in the deep zone is similar to that observed in the shallow zone. The horizontal gradient across the southern and central portions of the property ranges from 0.001 to 0.003 ft/ft. Similar to the shallow zone, the gradient steepens upgradient of extraction well PW-6 to 0.022 ft/ft and then flattens out downgradient of PW-6 (0.008 ft/ft) to near the northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.012 ft/ft. (Figure 3).

3.2 FIELD PARAMETERS

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

- **Temperature:** Groundwater temperatures ranged from 9.74 (GW-17I) to 13.44 (GW-22S) °C.
- **pH:** Groundwater pH ranged from 6.77 (GW-25I) to 7.87 (MW-102D).
- **Conductivity:** Groundwater conductivities ranged from 421 (MW-102D) to 672 (RW-5S) microSiemens per centimeter (µS/cm).
- **Dissolved Oxygen:** Dissolved oxygen values ranged from 0.02 (multiple wells) to 6.82 (MW-3I) mg/L.
- **Turbidity:** Groundwater turbidity ranged from less than 1 (multiple wells) to 41 (GW-21D) nephelometric turbidity units (NTUs).
- **ORP:** Groundwater ORP ranged from -276.8 (GW-23I) to -66.8 (GW-24D) milliVolts (mV).

The field parameters recorded during the September 2008 quarterly sampling event were generally consistent with historical observations. The low dissolved oxygen and ORP values observed in most monitoring wells is indicative of ambient anaerobic conditions. Appendix A includes the Low-Flow Field Purge Forms that were completed in the field during the sampling event.

3.3 ANALYTICAL RESULTS

The VOC concentrations detected in September 2008 quarterly sampling event are summarized in Table 2 and Figure 4. 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 nine of the thirty-two wells and all three active extraction wells (DNR-7, GW-5I, GW-17D, GW-18, GW-20D, MW-3I, MW-103S, PW-1, PW-4, PW-6, RW-1D, and RW-5S) sampled in September 2008. VOCs that were detected, but did not exceed the Part 201 Criteria, MCLs, or the ROD TCLs, include chlorobenzene, chloroethane, chloromethane, 1,1-dichloroethane, 1,1-dichloroethene, and trans-1,2-dichloroethene. 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 ten of the thirty-two monitoring wells and all three active extraction wells sampled during this monitoring event. The detected VC concentrations in groundwater samples ranged from 1.4 μg/L (PW-4) to 87 μg/L

(DNR-7). The dissolved VC plume as shown in Figure 5 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 5). The VC concentrations detected in groundwater across the Site between December 2007 and September 2008 are summarized on the following table. A map showing the historical distribution of VC concentrations across the Site is provided as Figure 6.

Observed Vinyl Chloride Concentrations (µg/L) per Monitoring Event				
Sample Location	**12/2007**	**3/2008**	**6/2008**	**9/2008**
DNR-6	NS	NS	**0.40**	NS
DNR-7	**75**	**77**	**100**	**87**
GW-17D	**16**	**13**	**11**	**12**
GW-17I	**1.3**	< 1.0	< 1.0	< 1.0
GW-18	**21**	**18**	**18**	**15**
GW-19S	<1.0	<1.0	**0.63**	<1.0
GW-20D	**15**	**16**	**18**	**14**
GW-5I	**74**	**56**	**63**	**54**
GW-5D	NS	NS	**5.7**	NS
MW-2I	NS	NS	**11**	NS
MW-3I	**20**	**18**	**25**	**22**
PW-1	**10**	**8.3**	**13**	**11**
PW-3	NS	NS	<1.0	NS
PW-4	**1.7**	**1.5**	<1.0	**1.4**
PW-6	**16**	**7.6**	**9.1**	**10**
PW-7	NS	NS	NS	NS
PW-8	NS	NS	NS	NS
RW-1D	**1.6**	**1.7**	**1.1**	**1.5**
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
Comparison Criteria (µg/L):
ROD TCLs for Vinyl Chloride:
Phase I = 1.0
Phase II = 0.003
2004 Federal Drinking Water MCL for Vinyl Chloride = 2.0
Part 201 Criteria for Vinyl Chloride:
Residential Drinking Water = 2.0
Groundwater/Surface Water Interface = 15
Groundwater Contact = 1,000

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 7 through 27. 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, GW-20D, MW-3I, PW-1, PW-3, 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, RW-1D, and PW-4 are generally stable.

Table 3 and Figure 6 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 one of the thirty-two monitoring wells sampled in September 2008. The detected concentration was120 μg/L at monitoring well RW-1D. TCE and VC iso-concentration contours are shown in Figure 5.

The TCE concentrations reported in September 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 newest down gradient wells and boundary wells, including the GW-17, GW-18, GW-19, GW-20 and GW-21 series, or any of the off-Site monitoring wells. A map showing the historical distribution of TCE and VC concentrations across the Site is provided as Figure 6.

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 7 through 27.

3.3.3 CIS-1,2-DICHLOROETHENE

Concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater samples collected from five of the thirty-two monitoring wells and two of the three active extraction wells sampled in September 2008. The cis-1,2-DCE concentrations ranged from 1.4 µg/L at wells MW-3I and GW-5I to 180 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.

Sample Location	cis-1,2-DCE (µg/L) September 2008
DNR-7	**180**
MW-3I	**1.4**
GW-5I	**1.4**
MW-103S	**2.0**
PW-1	**33**
PW-6	**13**
RW-1D	**28**

Notes:
MCL = Maximum Contaminant Level
Shaded areas indicate that the concentration exceeds the MCL Part 201 or ROD Criteria.
Comparison Criteria (µg/L):
2004 Federal Drinking Water MCL for cis-1,2-DCE = 70
Part 201 Criteria for Vinyl Chloride:
Residential Drinking Water = 70

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 7 through 27. 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 not detected in any groundwater samples collected from monitoring wells sampled in September 2008. 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-two of the thirty-five groundwater samples collected in September 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 thirty-two wells. Additional biogeochemical parameters were collected in the field from all thirty-five wells, including dissolved oxygen and ORP. These parameters are used to determine the aerobic/anaerobic condition of the aquifer. In general, electron acceptors progress from oxygen to nitrate, manganese, iron, sulfate and methane, with oxygen indicating the aerobic end of the scale and methane indicating the anaerobic end of the scale.

A summary of the September 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 0.02 (multiple wells) to 6.82 (MW-3I) mg/L (see Section 3.2).

ORP: Groundwater ORP ranged from -276.8 (GW-23I) to -66.8 (GW-24D) milliVolts (mV) (see Section 3.2).

Laboratory Results

Methane: Methane was detected in thirty of the thirty-two wells sampled, at concentrations ranging from 1.4 (GW-24D) to 510 μg/L (GW-26D).

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

Ethene: Ethene was detected in fifteen of the thirty-two wells sampled at concentrations of 0.46 μg/L (GW-19S) and 14 μg/L (DNR-7).

Nitrate/Nitrite: Nitrate was detected in two of the thirty-two wells sampled at concentrations ranging from 0.016 mg/L (GW-19S) to 0.12 mg/L (GW-24I). Nitrite was not detected in any well sampled.

Sulfate: Sulfate was detected in twenty-seven of the thirty-two wells sampled, at concentrations ranging from 5.5 (GW-23D) to 26 mg/L (RW-5S).

Ammonia: Ammonia was detected in twenty-seven of the thirty-two wells sampled at concentrations ranging from 0.052 mg/L (DNR-7) to 0.23 mg/L (DNR-1).

Chloride: Chloride concentrations ranged from 1.0 mg/L (DNR-1) to 7.4 mg/L (GW-20I).

Total Alkalinity: Total alkalinity concentrations ranged from 210 mg/L (MW-102D) to 320 mg/L (multiple wells).

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, RW-1D, and MW-102D 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 September 2008 sampling event are summarized below. Complete laboratory analytical reports including QA/QC sample results are provided in Appendix B.

Field Blanks

Three field blank samples were submitted to the laboratory for analysis of VOCs. All three samples contained no detectable concentration of VOCs. None of the 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-1, GW-19S, GW-23S, and GW-26D) 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 acetone, carbon disulfide, 2-butanone, 4 methyl-2-pentanone, and 2-hexanone for batch 8092352. Therefore, positive results for these analytes in this batch are considered estimated. Because these analytes have 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 carbon disulfide for batch 8092382. Therefore, positive results for the analyte in this batch are considered estimated. Because carbon disulfide 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 carbon disulfide for batch 8092427. Therefore, positive results for the analyte in this batch are considered estimated. Because carbon disulfide 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 carbon

disulfide for batch 8092556. Therefore, positive results for the analyte in this batch are considered estimated. Because carbon disulfide 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 carbon disulfide and 1,2-dichloroethane from GW-21D. 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 1,2-dichloroethane from RW-5S. The non-spiked sample result was non-detect and so is not considered estimated.

Holding Times

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

4.0 SUMMARY OF SEPTEMBER 2008 GROUNDWATER MONITORING EVENT

Water levels were collected from a total of one hundred and twenty-five groundwater monitoring wells and two active and four inactive extraction wells on September 12, 2008. Purging and sampling activities were performed on thirty-two on and off-Site monitoring wells and three active extraction wells between September 15 and 18, 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 September 2008, groundwater elevations decreased an average of 1.03 feet from the last monitoring event in June 2008. The shallow groundwater flow direction on-Site is generally from south to north at a horizontal gradient of approximately 0.001 ft/ft across the southern and central portions of the property. The gradient steepens upgradient of extraction well PW-6 to 0.02 ft/ft and then flattens out downgradient of PW-6 (0.002 ft/ft) to the northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.02 ft/ft.

The flow direction in the deep zone is similar to that observed in the shallow zone. The horizontal gradient across the southern and central portions of the property ranges from 0.001 to 0.003 ft/ft. Similar to the shallow zone, the gradient steepens upgradient of extraction well PW-6 to 0.022 ft/ft and then flattens out downgradient of PW-6 (0.008 ft/ft) to near the northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.012 ft/ft.

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. To date, however, only toluene and carbon disulfide have been detected in any off-Site monitoring wells on the east side of the wetland, despite the low level occurrence of VC in off-Site private supply wells.

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 PW-1, PW-3, PW-4, and PW-6 (Figure 28). Weekly monitoring of the treated and untreated groundwater is conducted in accordance with the Michigan Department of Environmental Quality (MDEQ) Substantive Requirements Document for Surface Water Discharge (Permit No. MIU990014).

5.1 COMPLIANCE

Table 5 provides a summary of the influent and effluent analyses, and weekly average air emission rates for the three-month period from July 1, 2008 through September 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 July 14, 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. AECOM 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 (July 1, 2008 through September 30, 2008). The air emission rates for the air stripper system ranged from 0.0045 to 0.0077 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 well PW-6 was cleaned during the week of July 28, 2008. During the well cleaning, PW-6 was temporarily off-line.

The groundwater treatment system was shut down starting on September 22, 2008 for cleaning of the air stripper tower. During cleaning of the air stripper tower it was discovered that the riser pipe that conveys groundwater to the top of the air stripper tower was leaking and would need to be repaired. Cleaning of the air stripper tower was halted until the riser pipe could be repaired. The riser pipe was repaired on October 2, 2008 and cleaning resumed on October 3, 2008.

5.3 SYSTEM OPERATIONS

The system has removed through September 30, 2008 an estimated 553.69 lbs of VOCs from the groundwater since start-up of the groundwater collection and treatment system on February 10, 1996. For this quarter, the groundwater treatment system removed 10.94 lbs of VOCs (2.0% of cumulative total removal). This corresponds to an average VOC removal rate of 0.0050 lbs/hr for this quarter.

Table 6 provides the total volume of groundwater extracted from the active extraction wells, and percentage of pump operation per month for the period of July 1, 2008 through September 30, 2008. During July, August, and September 2008, an estimated total of 12,472,449 gallons, 14,890,375 gallons, and 10,060,625 gallons of groundwater, respectively, were extracted from the purge wells. The total estimated volume of groundwater pumped through the system for this quarter is 37,423,449 gallons. The following problems were encountered during this reporting period, which caused down time for the extraction wells:

- Upon arrival at the Site on July 7, 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 and a low air flow delivery from the blower into the tower. The flow meter was reprogrammed and the system was restarted. The system continued pumping at normal rates and operating within normal parameters. The system was estimated to be off for approximately 2 days.

- The groundwater treatment system shut down on July 16, 2008, August 1, 2008, and September 3, 2008 due to a motor overload on PW-4. On each occasion, the motor overload was reset upon discovery. The system was then restarted and resumed pumping at normal rates and operating within normal parameters. The system was

estimated to be off for approximately 3 hours, 2 hours, and 2 hours respectively on each of the dates mentioned.

The groundwater pump and treat system operated 87% of the time over the quarter for all wells. AECOM 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. AECOM will continue to track changes in contaminant concentrations in the wells and attempt to correlate this data with system operation.

6.0 PLANNED PROJECT ACTIVITIES

The next two semi annual groundwater sampling events are planned to take place in October 2008 and April 2009. 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 January 2009.

Figures

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FIGURES 1 TO 6

☐ **Other:**

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

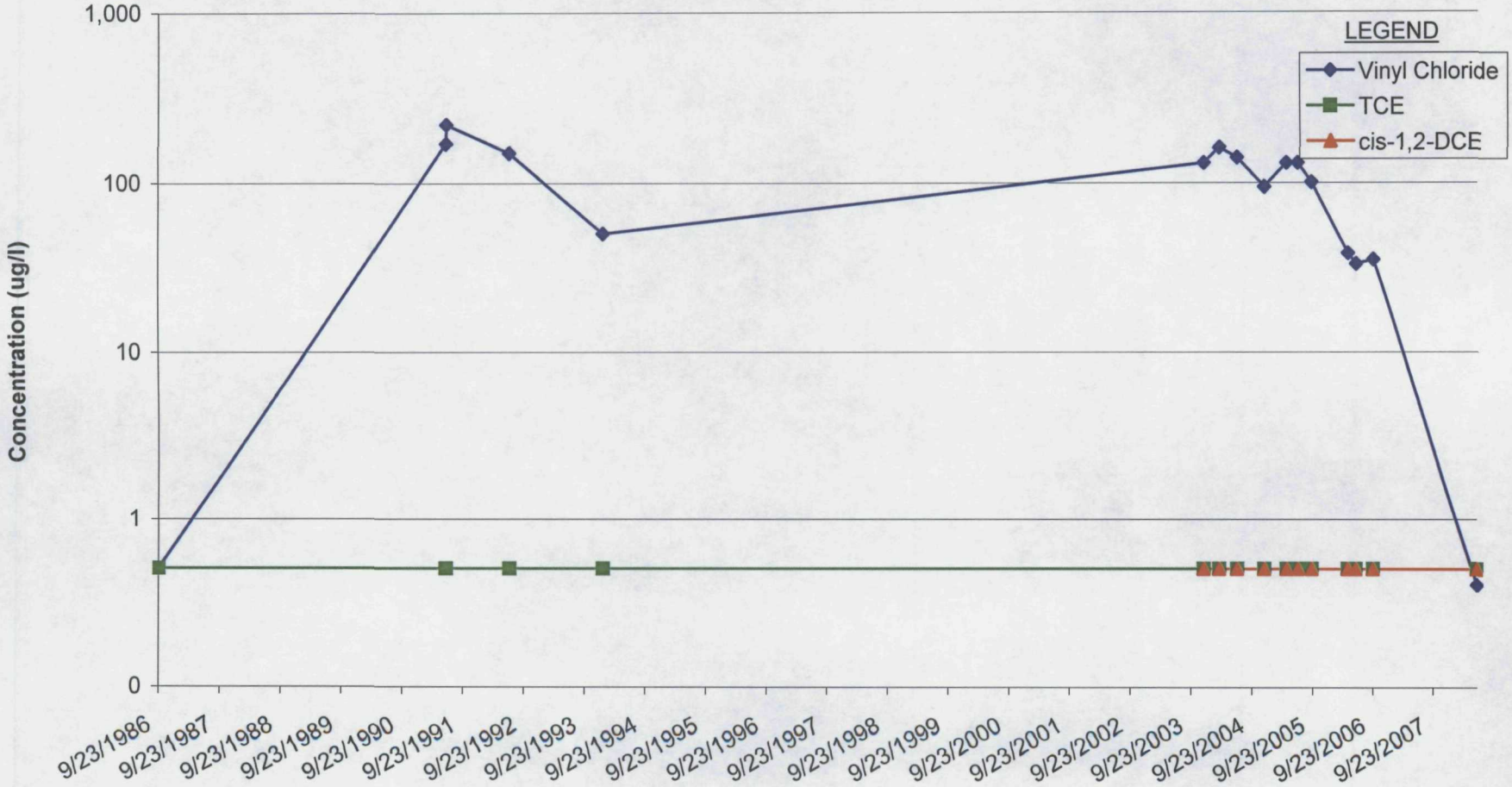


FIGURE 8
DNR-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

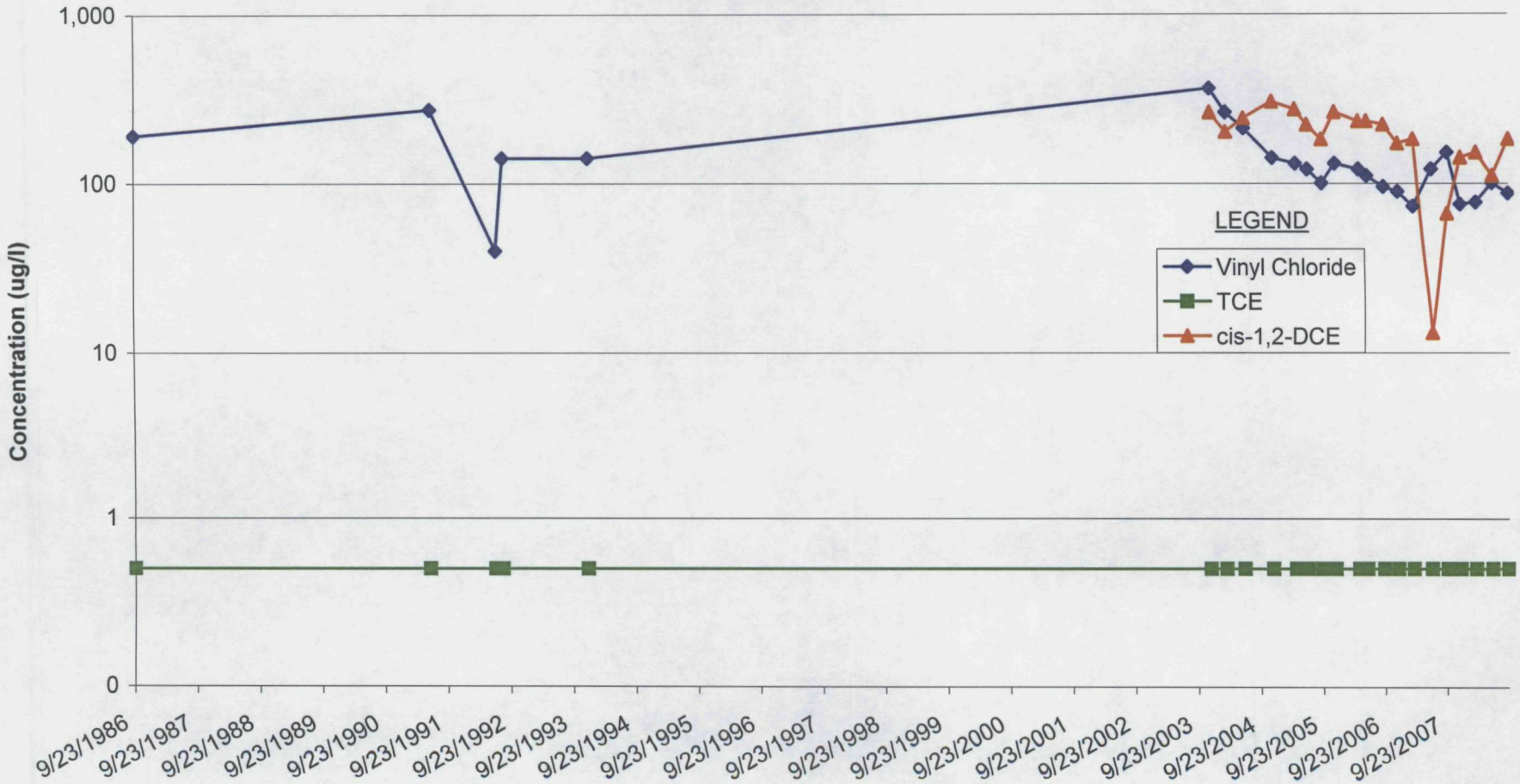


FIGURE 9
GW-5I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

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

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

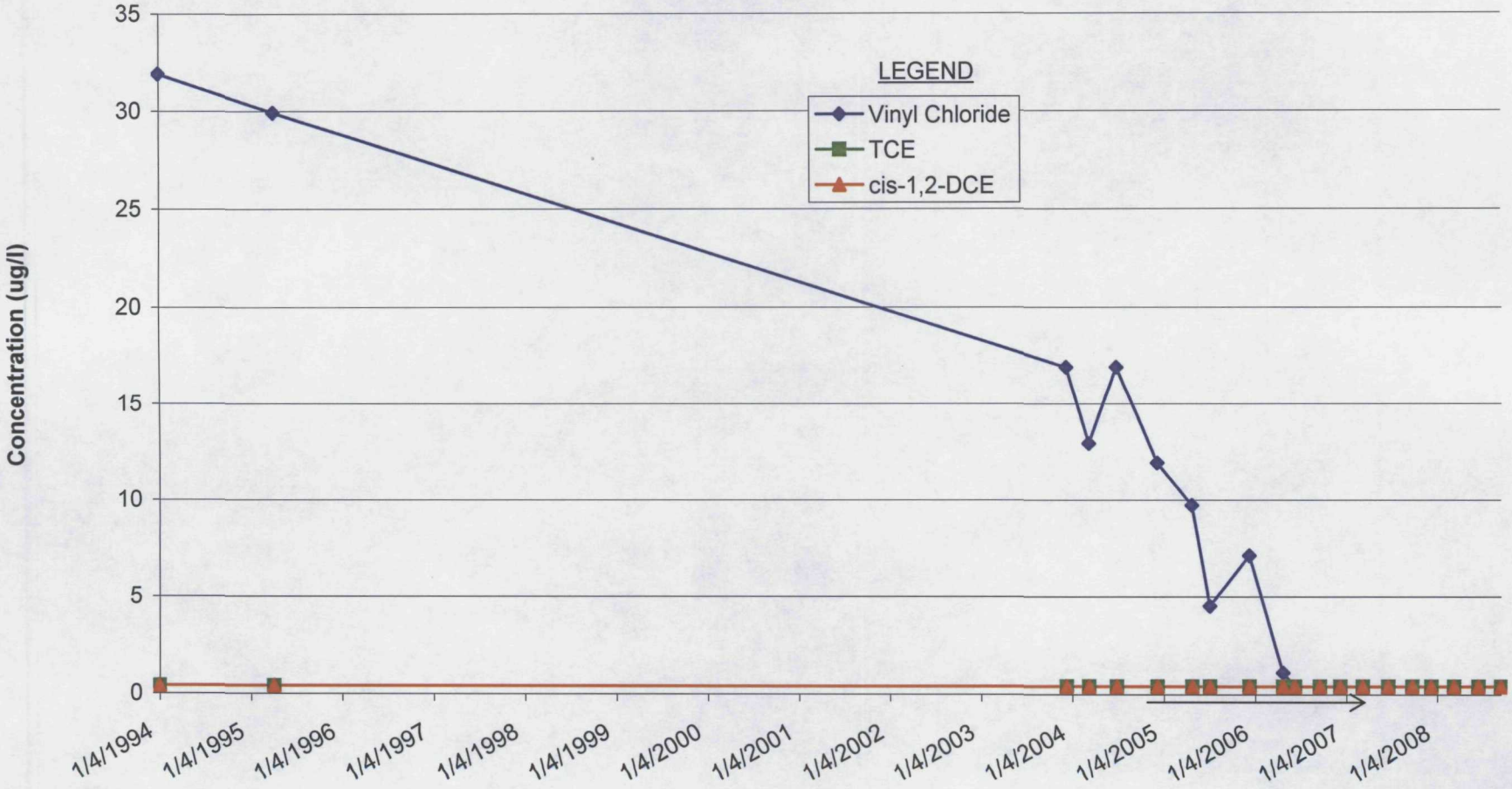


FIGURE 12
GW-17I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

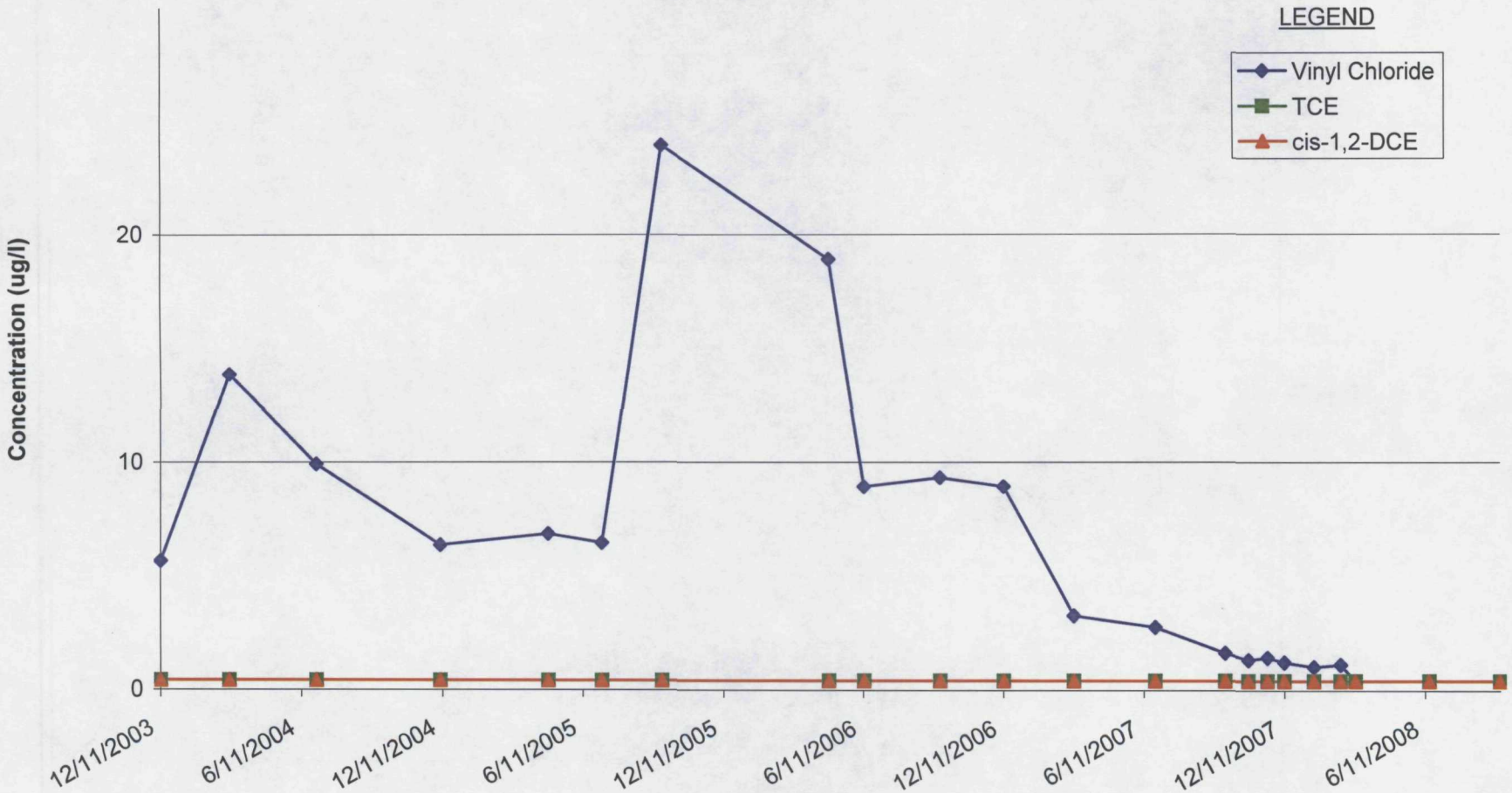


FIGURE 13
GW-17D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

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

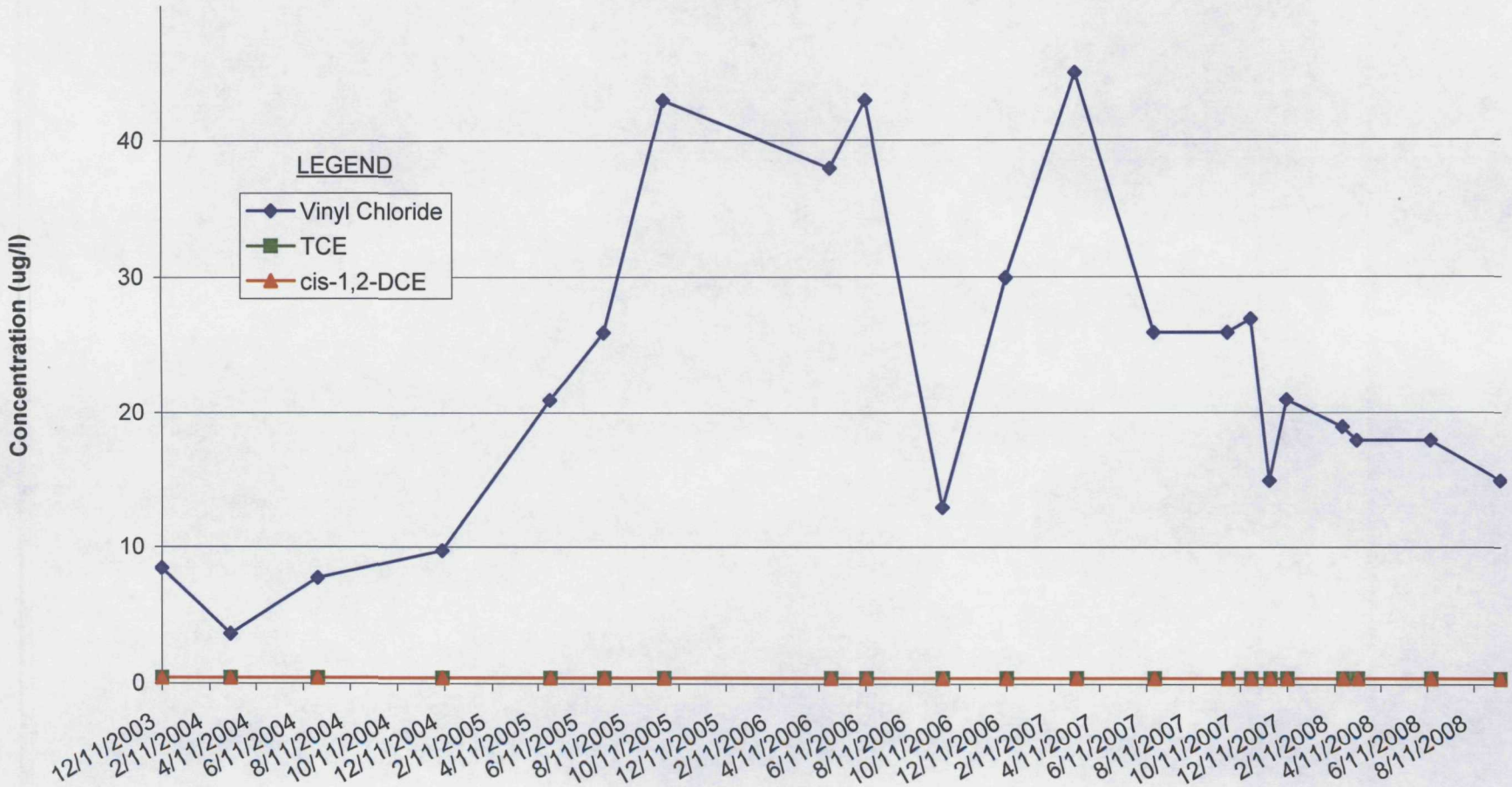


FIGURE 15
GW-19S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

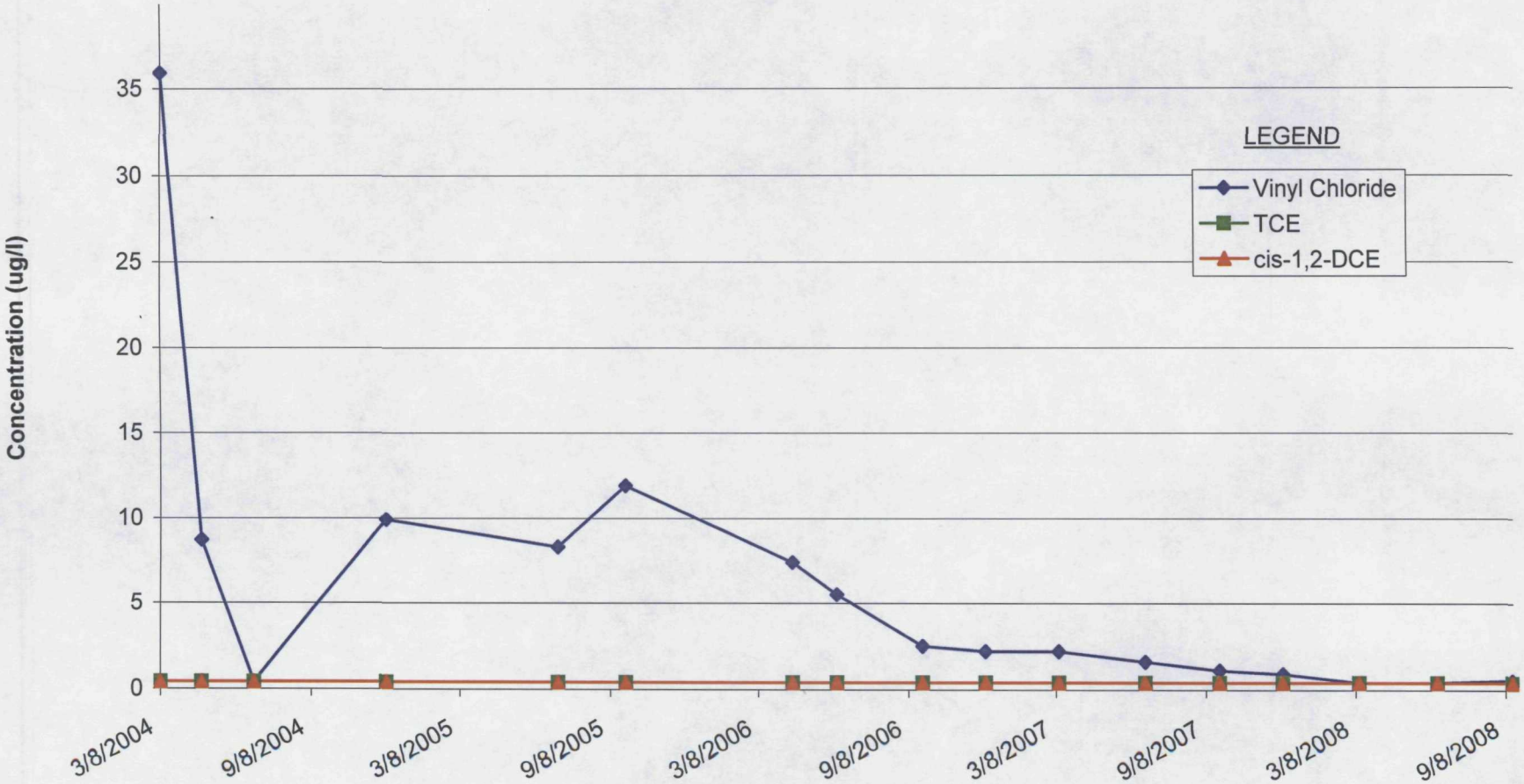


FIGURE 16
GW-20D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

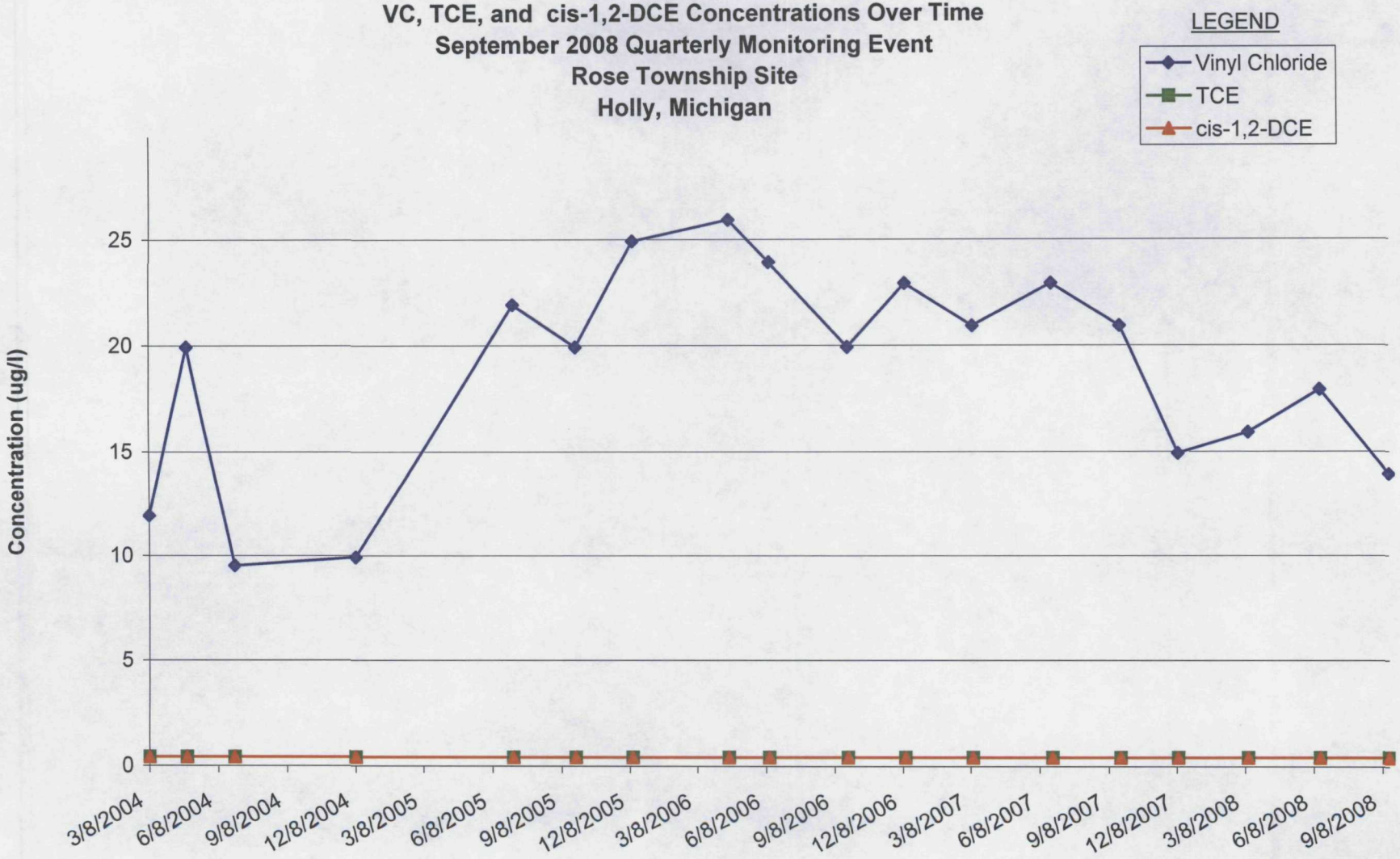


FIGURE 17
MW-2I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

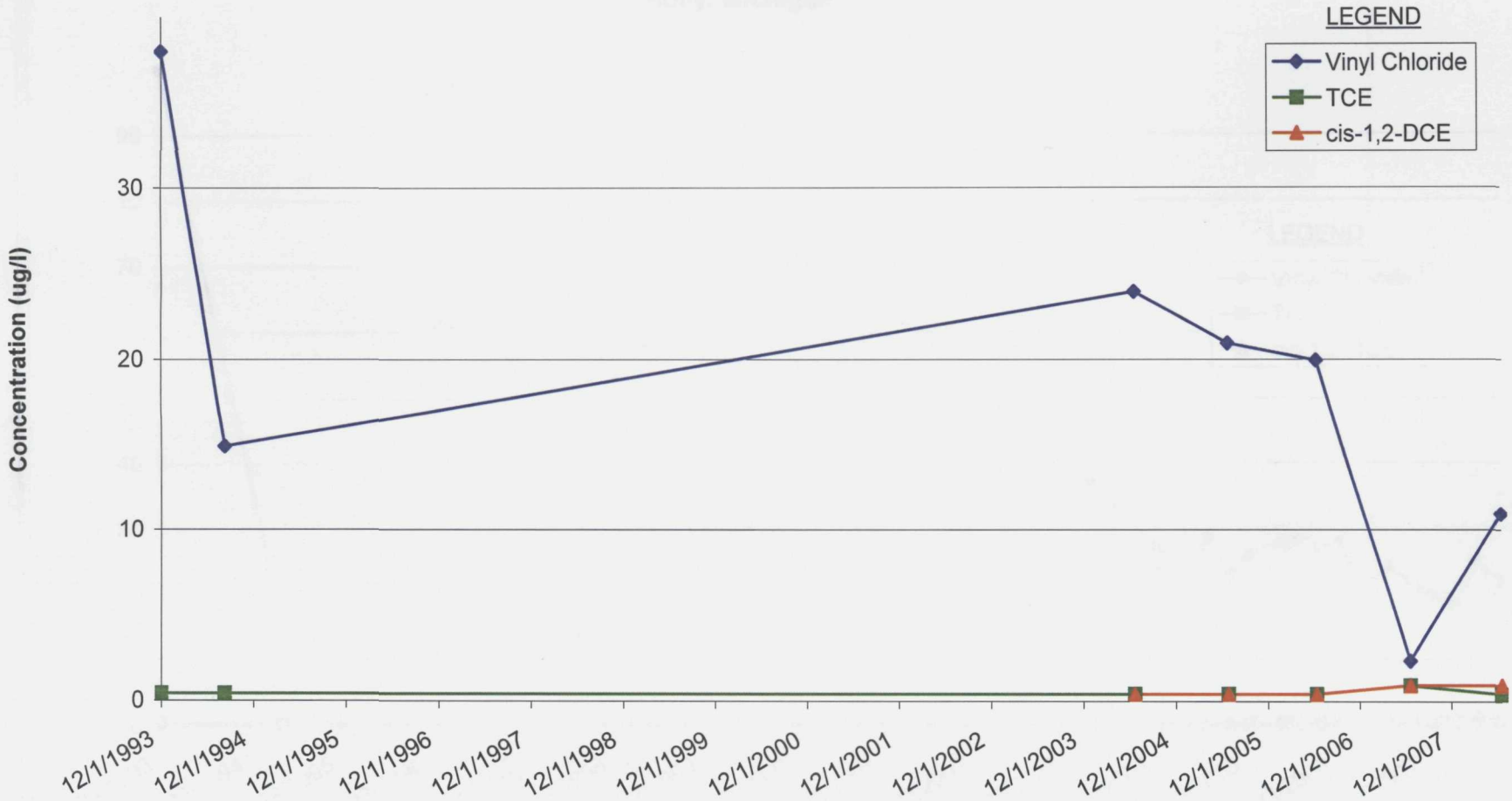


FIGURE 19
MW-103S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

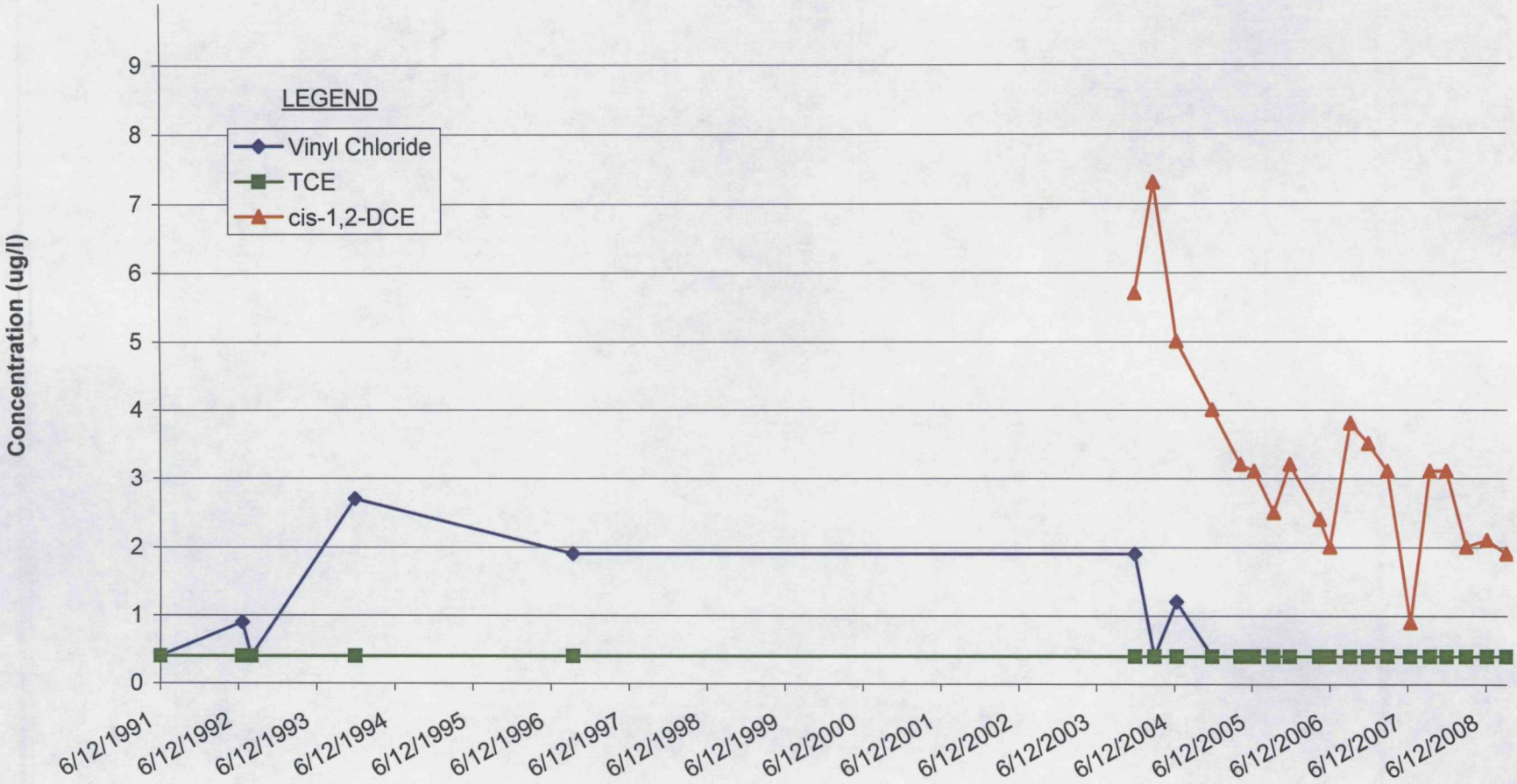


FIGURE 20
RW-1D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

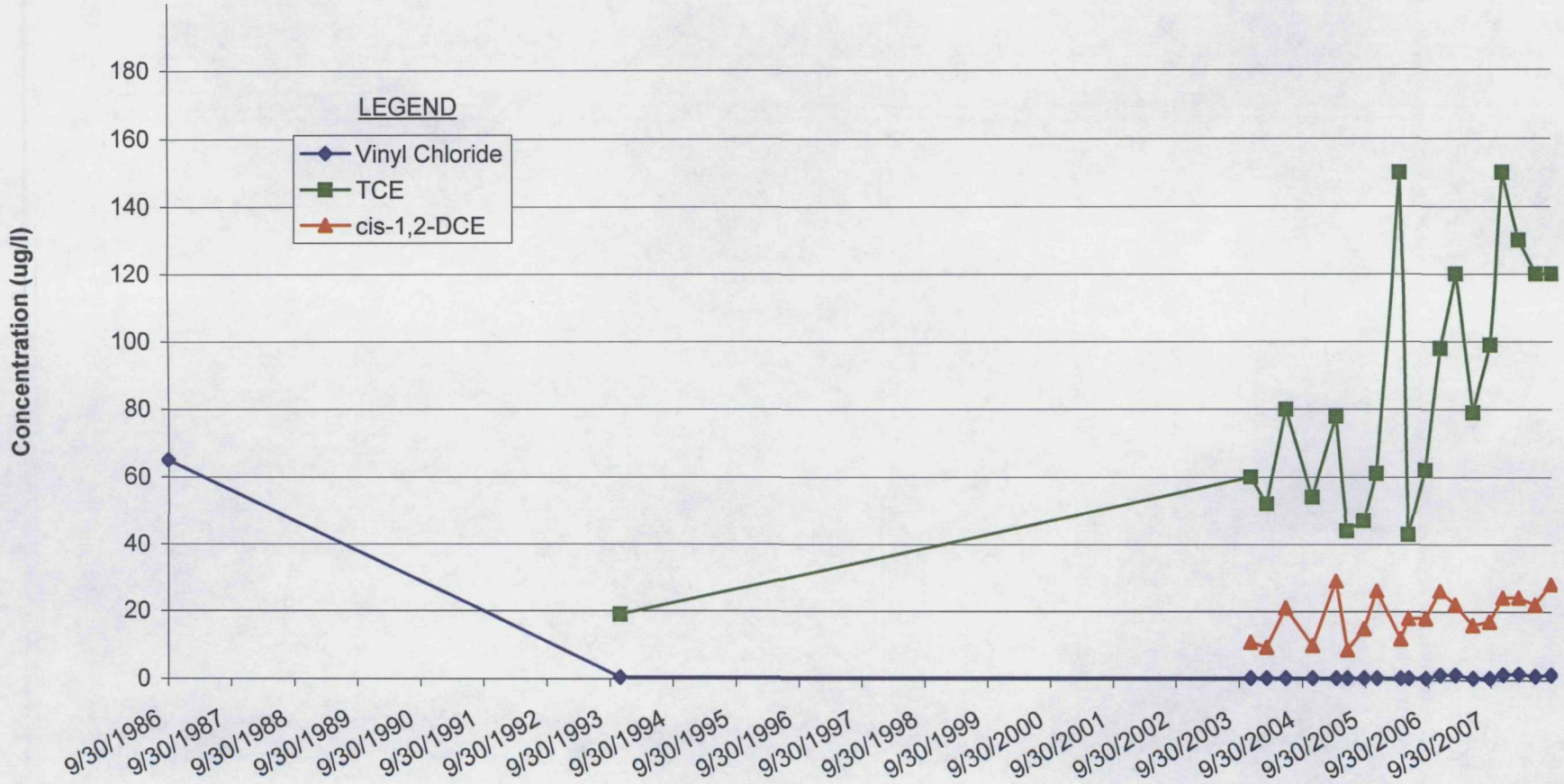


FIGURE 21
RW-5S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

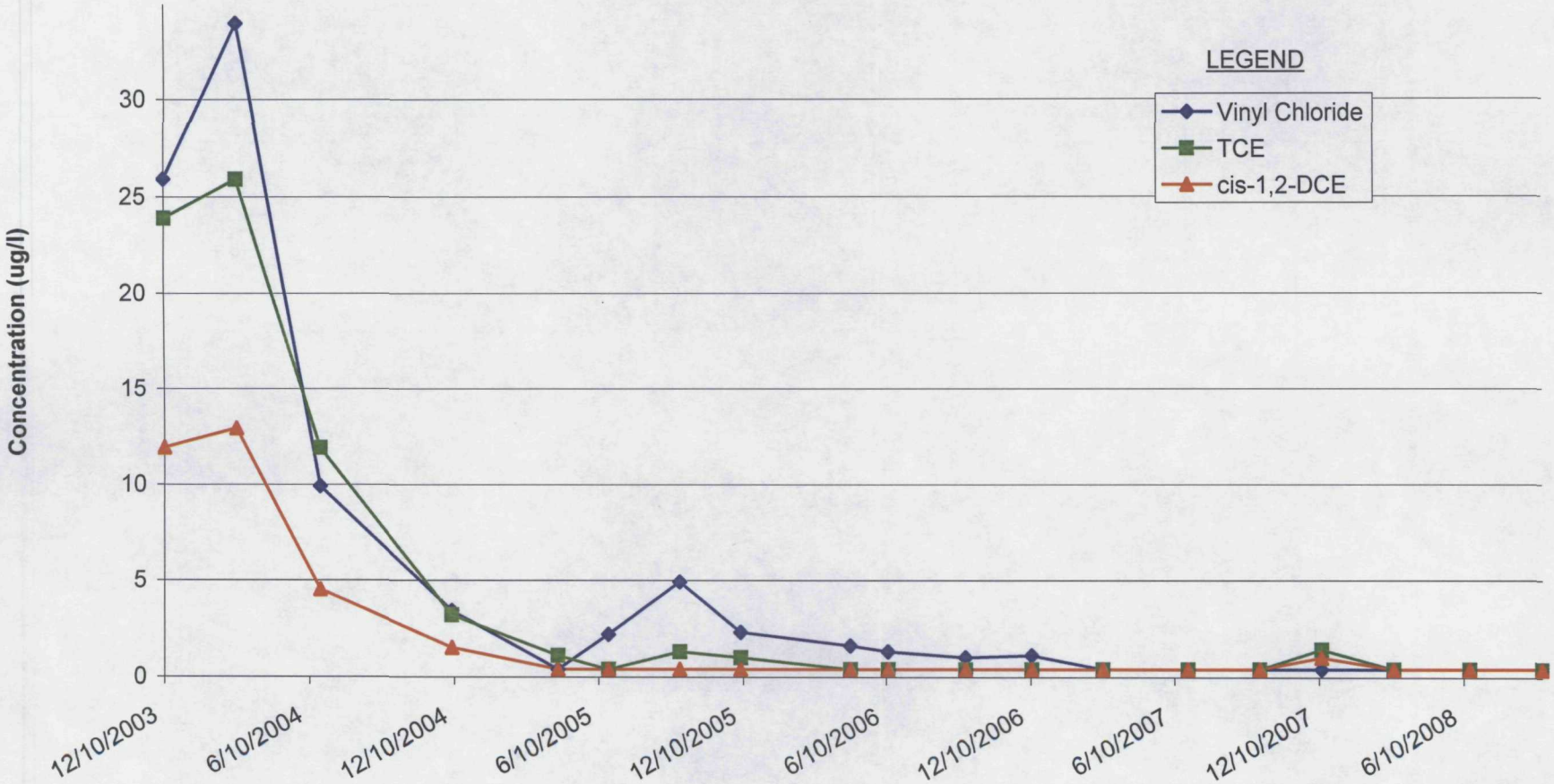


FIGURE 22
PW-1
VC, TCE and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

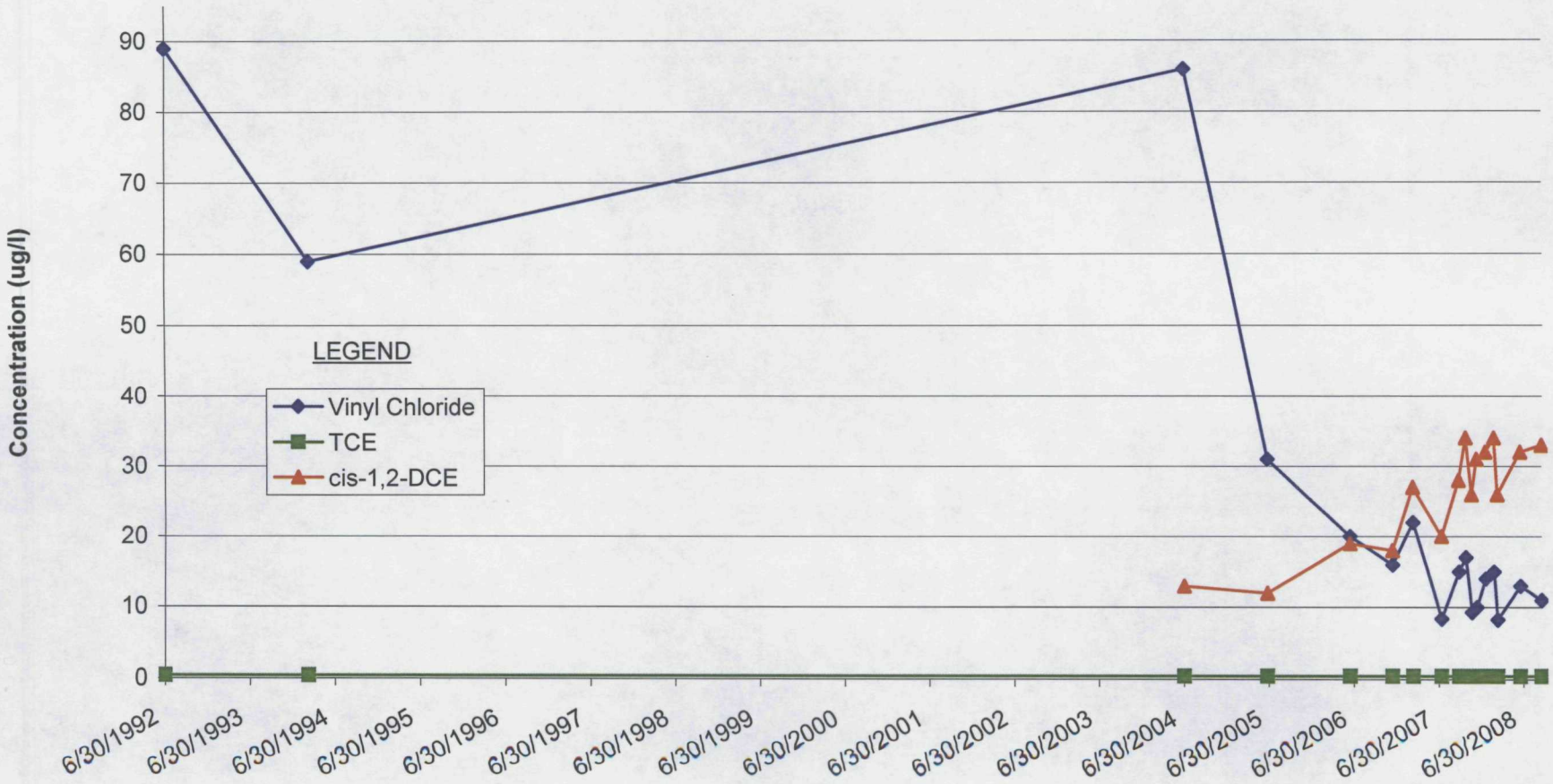


FIGURE 23
PW-3
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

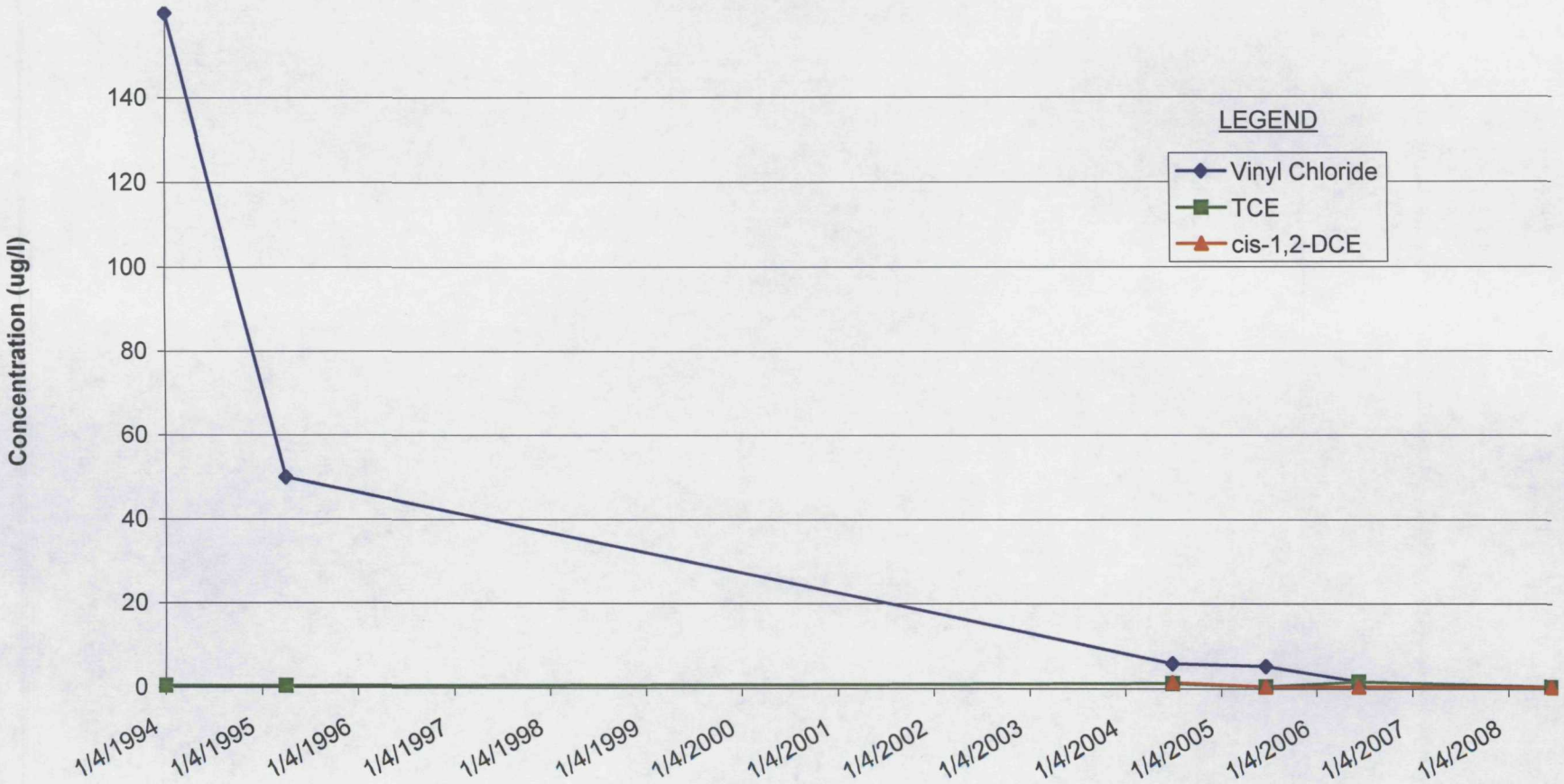


FIGURE 24
PW-4
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

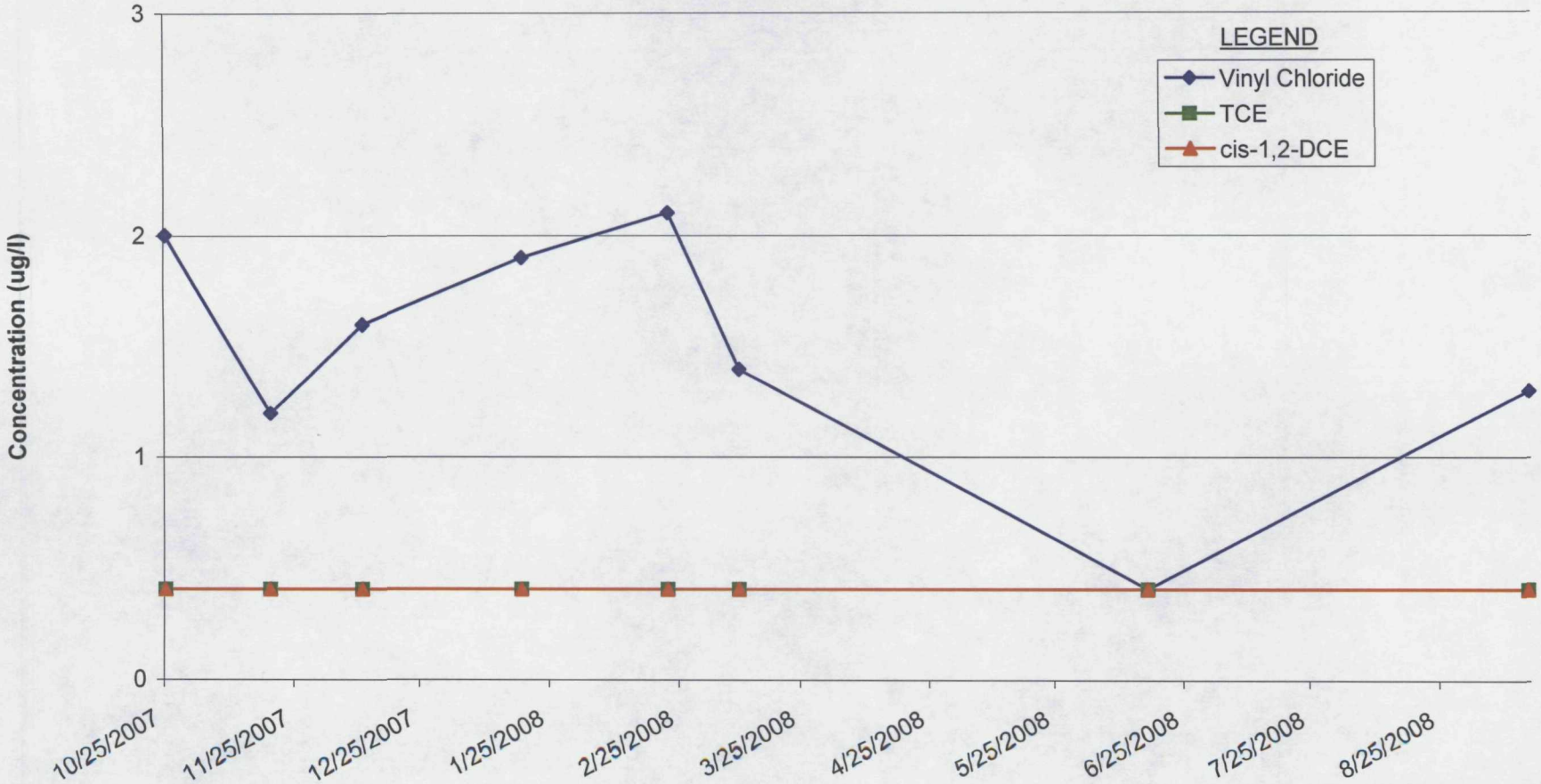


FIGURE 25
PW-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

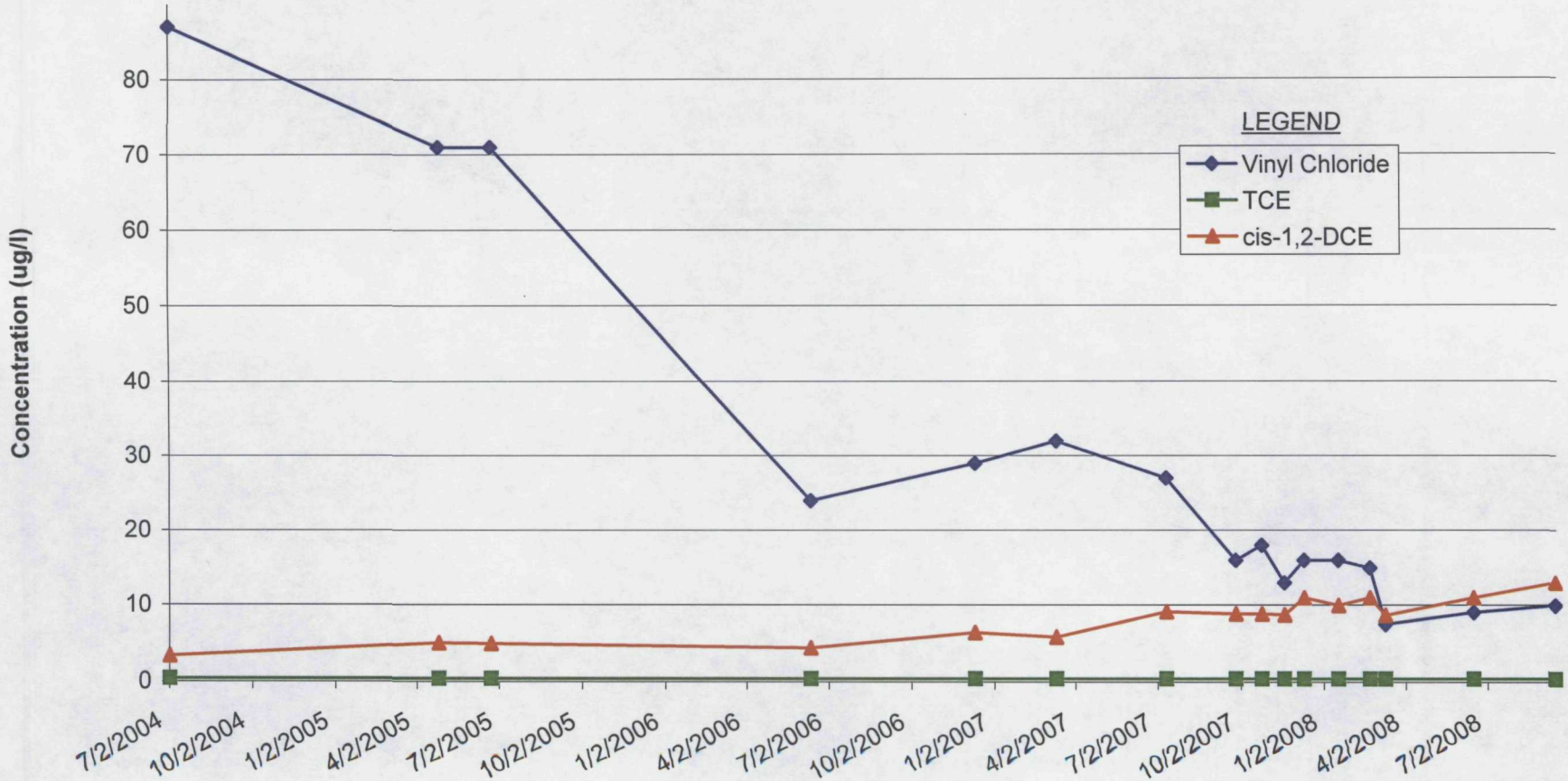


FIGURE 26
PW-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

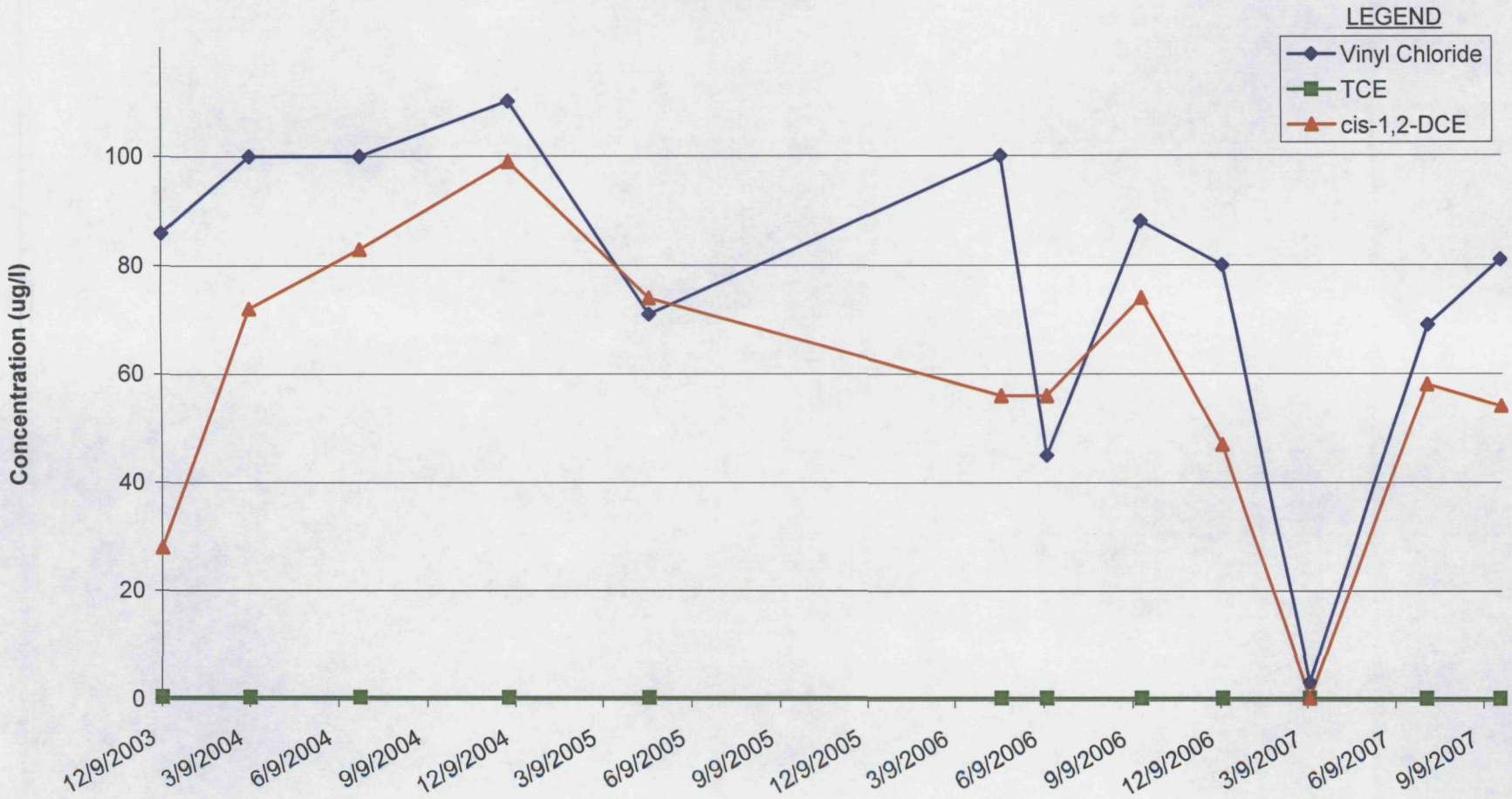
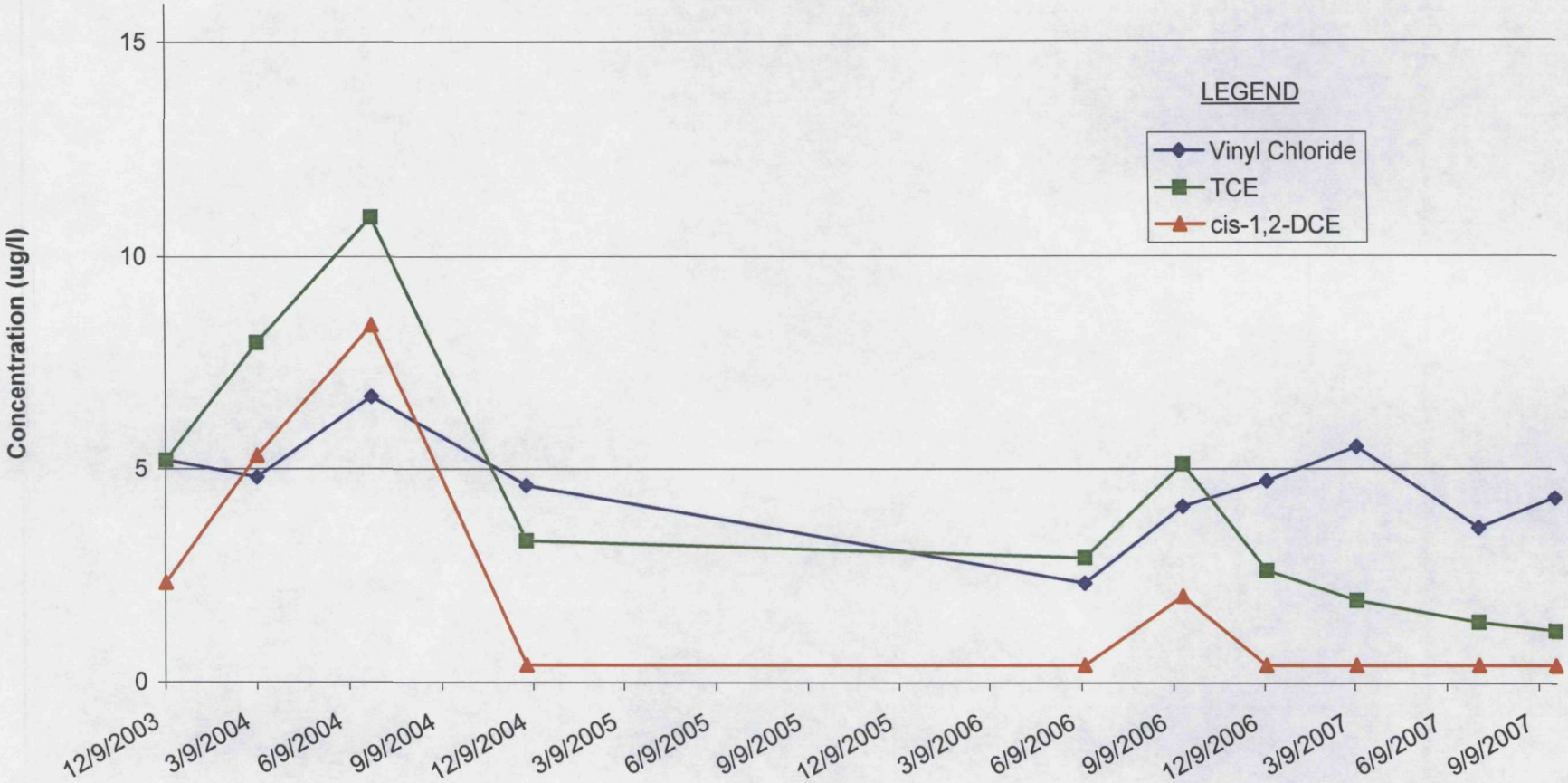
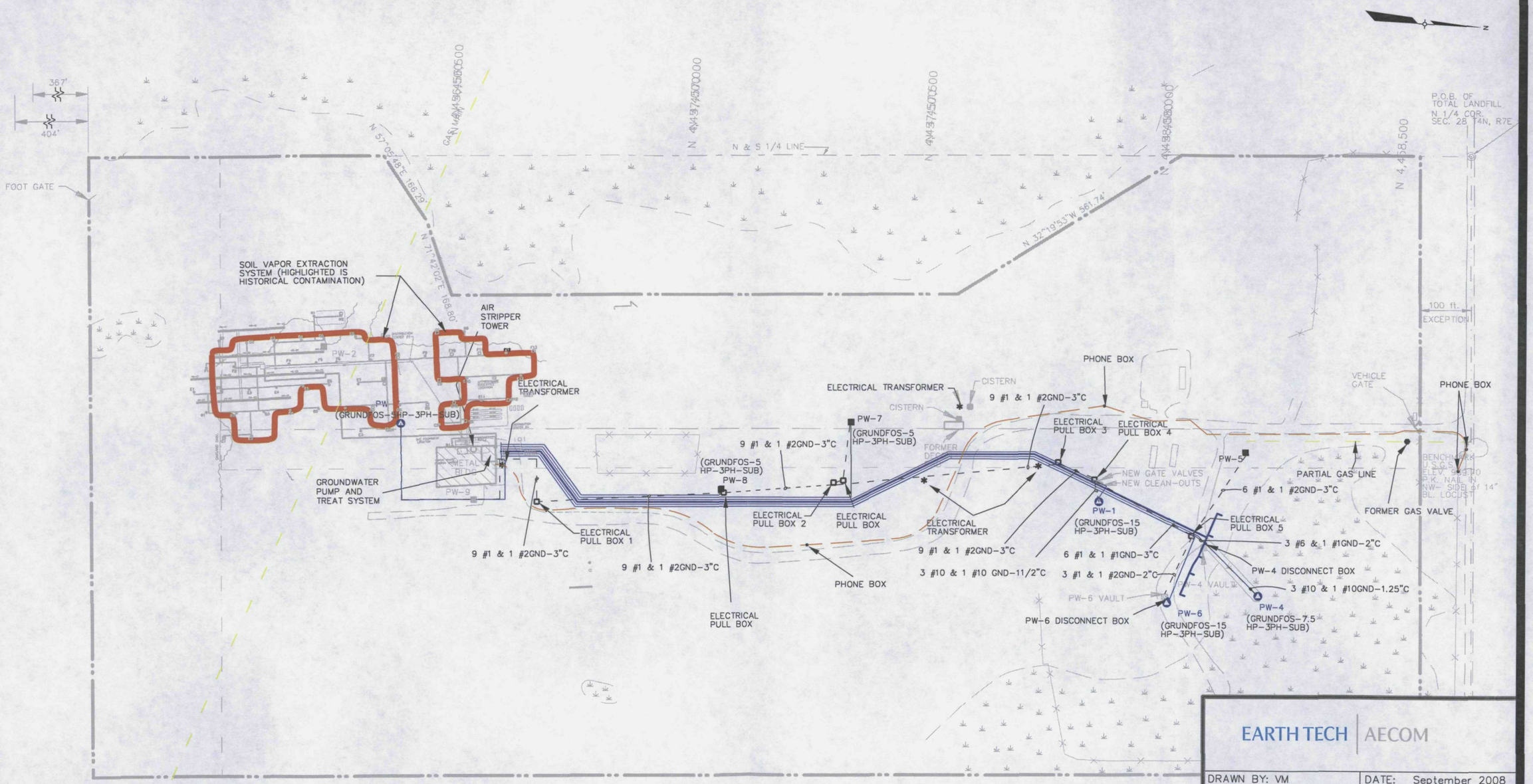


FIGURE 27
PW-8
VC, TCE, and cis-1,2-DCE Concentrations Over Time
September 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan





LEGEND:

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

EARTH TECH | AECOM

DRAWN BY: VM	DATE: September 2008
CHECKED BY:	EDITED BY: BJE
FILE NAME: 102777_Q3_2008_Fig28.dwg	

FIGURE 28

SVE AND GROUNDWATER SYSTEMS LOCATION MAP

ROSE TOWNSHIP
HOLLY, MICHIGAN

PROJECT NUMBER 102777	SCALE: NTS

L:\work\106686\Project_Data\Groundwater\Quarterly\2008\3rd Quarter\Figures\102777_Q2_2008_Fig28.dwg

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	September-08 Water Level Measurement (ft ATOC)	September-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	1.57	1002.22
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	5.09	1002.42
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	10.87	992.07
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	11.00	992.33
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	-5.11	973.39
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	-3.24	994.90
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	-65.21	931.37
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	-37.16	994.69
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	9.70	989.61
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	14.01	994.49
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	3.00	994.13
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	3.53	994.13
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	1.09	978.44
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	14.68	991.95
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	-5.24	978.65
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	5.39	989.92
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	-1.53	983.13
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	-3.78	978.64
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	-0.75	981.68
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	10.32	992.41
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	-28.18	997.02
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	-29.91	995.33
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	-36.52	995.47
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	-38.63	999.70
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	1.87	991.57
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	4.60	994.18
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	5.26	994.76
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	-33.13	997.06
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	-32.40	997.89
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	-26.65	1003.40
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	-31.39	999.73
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	-30.89	999.63
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	-27.50	1003.51
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	-15.69	994.15
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	-14.56	995.56
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	-14.12	995.48
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	5.26	991.11
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	-15.62	1000.96
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	NM	
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	9.89	991.85
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	6.45	990.61
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	14.57	991.80
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	10.60	987.83
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	12.07	991.93
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	11.52	991.35
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	10.34	991.36
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	11.28	992.12
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	-22.99	978.90
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	-19.98	981.88
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	-11.36	989.33
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	-7.43	981.80
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	-7.97	981.82
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	-5.96	982.58
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	-6.25	982.26
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	-2.79	985.99
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	-1.45	982.08
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	-1.63	982.89
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	-14.58	979.57
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	-11.66	981.74
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	-26.65	1001.11
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	-26.33	1001.12
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	-26.35	1001.09
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	-22.19	1001.24
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	-31.62	1000.44
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	-30.51	1001.06
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	-23.79	1001.16
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	-26.78	1001.27
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	-26.80	1001.21
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	-27.06	1001.21
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	-27.09	1001.07
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	-24.89	1001.24
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	-24.94	1001.16
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	-27.80	1001.17
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	-27.82	1001.14
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	-26.04	1001.14
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	-26.03	1001.01
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	-25.03	1001.25
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	-23.82	1001.31
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	-27.25	1001.18
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	-27.24	1001.07
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	-26.84	1001.17
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	-26.82	1001.14
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	-23.25	1000.39
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	-24.05	1000.17
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	-23.91	1000.15
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	-30.24	999.70
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	-32.38	997.68
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	-5.95	997.08

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	September-08 Water Level Measurement (ft ATOC)	September-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	-7.54	996.95
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	-15.12	994.25
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	-16.59	994.18
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	-40.83	997.27
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	-37.85	999.53
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	-37.51	999.54
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	-7.71	999.37
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	-9.71	999.24
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	-11.25	997.49
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	NM	
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	6.08	1002.57
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	5.46	1000.80
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	-51.96	1000.55
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	-50.66	1000.58
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	-45.32	1001.37
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	-10.20	1004.22
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	-8.79	1004.99
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	-9.10	1004.36
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	-6.95	1004.88
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	-18.81	1001.13
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	-18.54	1000.99
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	-49.54	1000.48
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	-22.14	1001.52
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	-39.37	1000.41
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	-38.71	1000.50
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	-25.37	1001.05
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	-25.90	1001.08
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	-22.39	1000.67
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	-21.51	1000.69
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	-8.69	991.30
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	-11.94	1011.19
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	-30.37	1004.67
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	-45.67	1001.17
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	-14.82	995.95
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	-33.28	998.46
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	-50.49	1000.55
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	-10.86	1000.57
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	-7.54	1003.24
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 September 16 through September 19, 2008

Volatile Organic Compounds (µg/L)	ROD Target Cleanup Levels[A]		2004 Federal Drinking Water Maximum Contaminant Levels in µg/L	MDEQ Part 201 Generic Cleanup Criteria Concentration in µg/L			Sample Location Concentration in µg/L																
	Phase I Target Concentration Limits in µg/L	Phase II Target Concentration Limits in µg/L		Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	DNR-1	DNR-1 Dup	DNR-4D	DNR-7	GW-4D	GW-5I	GW-6D	GW-17D	GW-17I	GW-18	GW-19D	GW-19S	GW-19S Dup	GW-20D	GW-20I	GW-21D	GW-21S
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	**9.1**	<1.0	**5.3**	<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	**11**	<1.0	<1.0	<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	**180**	<1.0	**1.4**	<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	**34**	<1.0	<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	<1.0	<1.0	**87**	<1.0	**54**	<1.0	**12**	<1.0	**15**	<1.0	<1.0	<1.0	**14**	<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

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
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 16 through September 19, 2008

Volatile Organic Compounds (µg/L)	ROD Target Cleanup Levels[A]		2004 Federal Drinking Water Maximum Contaminant Levels in µg/L	MDEQ Part 201 Generic Cleanup Criteria Concentration in µg/L			Sample Location Concentration in µg/L																
	Phase I Target Concentration Limits in µg/L	Phase II Target Concentration Limits in µg/L		Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-23S Dup	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26D Dup	GW-26I	MW-3I	MW-102D	MW-103S
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	**1.4**	<1.0	**2.0**
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	**2.3**	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**22**	<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		Residential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Contact Criteria	PW-1	PW-4	PW-6	RW-1D	RW-5S
Benzene	1.5	0.133	5	5	200	11,000	<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
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	**4.2**
Chloroethane	---	---	---	430	ID	440,000	**1.3**	<1.0	<1.0	<1.0	<1.0
Chloromethane	---	---	---	260	ID	490,000	<1.0	<1.0	**1.4**	<1.0	<1.0
1,1-Dichloroethane	---	---	---	880	740	2,400,000	**1.6**	<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
cis-1,2-Dichloroethene	---	---	70	70	620	200,000	**33**	<1.0	**13**	**28**	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<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
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	**4.9**	<1.0	<1.0	**71**	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<1.0	**120**	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	**11**	**1.4**	**10**	**1.5**	<1.0
Xylenes (Total)	440	440	10,000	280	35	130,000	<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	<1.0	<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-1	9/17/2008	<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
DNR-1 (Dup)	9/17/2008	<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
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	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D (Dup)	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-4D (Dup)	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-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-4D	9/17/2008	<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
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	**50**	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
DNR-6	12/9/2003	**130**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**3.9**	ND	ND	ND	ND	ND	–	ND	ND	ND
DNR-6	3/11/2004	**160**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**3.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-6	6/28/2004	**140**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**4.0**	ND	ND	ND	ND	ND	**10**	ND	ND	ND
DNR-6	12/8/2004	**94**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**11**	ND	ND	**21**	ND	ND	ND	ND	ND	ND
DNR-6	4/21/2005	**130**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	**7.6**	ND	ND	ND	ND	ND	ND
DNR-6	6/29/2005	**130**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	**3.0**	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-6	9/20/2005	**99**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND	ND	ND	ND	ND	ND
DNR-6 (Dup)	9/20/2005	**100**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**9.3**	ND	ND	ND	ND	ND	ND
DNR-6	4/26/2006	**30**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6 (Dup[1])	4/26/2006	**38**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6	6/21/2006	**33**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-6	9/26/2006	**35**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-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
DNR-7	9/17/2008	**87**	<1.0	**180**	<1.0	<1.0	<1.0	<1.0	**11**	**1.0**	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**9.1**	<1.0	<1.0	**14**	<5.0	<1.0	<10	<1.0	**34**	<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	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-4D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	6/19/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-4D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-4D	9/18/2008	<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-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-5I	9/15/2008	**54**	<1.0	**1.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**5.3**	<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
GW-6D	9/15/2008	<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	8/20/2008	**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-17D	9/16/2008	**12**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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-17I	12/11/2003	**5.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
GW-17I	3/9/2004	**14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**5.7**	ND	ND	ND	ND	ND	ND
GW-17I	6/30/2004	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	12/8/2004	**6.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	4/27/2005	**6.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	4/27/2005	**6.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	7/6/2005	**6.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	7/6/2005	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	9/22/2005	**24**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND
GW-17I	4/26/2006	**19**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	6/19/2006	**9.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	9/19/2006	**9.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	12/14/2006	**9.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	3/12/2007	**3.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	6/26/2007	**2.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	9/25/2007	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-17I	9/16/2008	<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
GW-18	12/11/2003	**8.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
GW-18	3/9/2004	**3.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	6/30/2004	**7.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	12/8/2004	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	4/27/2005	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	7/7/2005	**26**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-18	9/22/2005	**43**	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	--	ND	ND	ND	ND	ND
GW-18	4/26/2006	**38**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	6/20/2006	**43**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	**3.2**	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	9/19/2006	**13**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	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
GW-18	9/15/2008	**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	**1.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0

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

Sample Location	Date Sampled	Parameters																											
		Vinyl Chloride	Trichloro-ethene	*cis*-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	*trans*-1,2-Dichloro-ethene	Xylenes (Total)
GW-19D	3/8/2004	**1.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19D	12/13/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	3/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19D	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	<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	**5.7B**	<1.0	<10	<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	<3.0
GW-19D	9/16/2008	<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
GW-19S	3/8/2004	**36**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**12**	ND	ND	ND	ND	ND	ND
GW-19S (Dup)	3/8/2004	**36**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**13**	ND	ND	ND	ND	ND	ND
GW-19S	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**16**	ND	ND	ND	ND	ND	ND
GW-19S	12/8/2004	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	**5.8**	ND	ND	ND	ND	ND	ND
GW-19S	4/27/2005	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19S	7/6/2005	**8.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-19S	9/27/2005	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.7**	ND	ND	ND	ND	ND	ND
GW-19S	4/19/2006	**7.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	4/19/2006	**7.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	6/20/2006	**5.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	9/25/2006	**2.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	9/25/2006	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	12/14/2006	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S (Dup)	12/14/2006	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	3/12/2007	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	6/25/2007	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-19S	9/24/2007	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	<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	<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	<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	<3.0
GW-19S	9/16/2008	<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
GW-19S (Dup)	9/16/2008	<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
GW-20D	3/8/2004	**12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	6/30/2004	**9.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	12/8/2004	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	4/27/2005	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	7/6/2005	**22**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20D	9/27/2005	**20**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND
GW-20D	12/12/2005	**25**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<10	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	4/19/2006	**26**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	6/20/2006	**24**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	9/25/2006	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	12/14/2006	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	3/12/2007	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	6/25/2007	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	9/24/2007	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	<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	<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	<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	<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	<3.0
GW-20D	9/16/2008	**14**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I (Dup)	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	<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	<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	<3.0
GW-20I	9/16/2008	<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

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

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)
		Parameters																										
GW-21D	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D (Dup)	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<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	**5.6B**	<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	<1.0	<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-21D	9/15/2008	<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
GW-21S	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	12/12/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21S	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	3/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	**5.3B**	<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	<1.0	<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-21S	9/15/2008	<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
GW-22D	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22D	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**7.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22D	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.2**	ND	ND	ND	ND	**1.3**	ND	ND	ND	ND	ND	ND
GW-22D	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.7**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**5.0**	<1.0	<1.0	<1.0	<1.0	**2.0**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-22D	9/18/2008	<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	**3.6**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I (Dup)	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I (Dup)	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	6/22/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**5.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22I	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22I	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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	8/17/2008	<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-22I	9/18/2008	<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	**1.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**6.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	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-22S	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-22S	12/6/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S (Dup)	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22S	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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
GW-22S	9/19/2008	<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

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-23D	9/18/2008	<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	**3.8**	<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-23I	9/19/2008	<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	**1.8**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	**8.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	6/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-23S	9/18/2008	<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-23S (Dup)	9/18/2008	<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-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-24D	9/18/2008	<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	**2.0**	<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
GW-24I	9/18/2008	<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-25D	9/18/2008	<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	**2.3**	<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-25I	9/18/2008	<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)	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-26D	9/18/2008	<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	**3.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-26D (Dup)	9/18/2008	<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	**2.8**	<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	9/19/2008	<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
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
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

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	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-3I	9/17/2008	22	<1.0	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	2.3	<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-102D	9/17/2008	<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
MW-102I	9/23/1986	270	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	9.0	ND	ND	–	–	ND	ND	ND	–	7.0	ND	ND	ND	ND	ND
MW-102I	6/12/1991	17	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	6/30/1992	30	ND	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	12/23/1993	5.0	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-102I	4/18/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	1.5	<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
MW-103S	9/17/2008	<1.0	<1.0	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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-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	–	16	ND	7.0	1.0	–	–	ND	2.0	ND	–	1.0	ND	ND	2.0	ND	ND
MW-106D	11/23/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	1.4	–	ND

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-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-1	9/15/2008	11	<1.0	33	<1.0	<1.0	<1.0	<1.0	1.6	<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	4.9	<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-4	9/15/2008	1.4	<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	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-5	7/1/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-6	7/2/2004	87	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	2.1	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-6	4/26/2005	71	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-6	6/23/2005	71	ND	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	1.5	ND	ND	--	ND	ND	ND	ND	ND	ND
PW-6	6/12/2006	24	<1.0	4.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	3/13/2007	32	<1.0	5.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.4	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	7/11/2007	27	<1.0	9.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.1	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-6	9/25/2007	16	<1.0	8.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-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-6	9/15/2008	10	<1.0	13	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<3.0
PW-7	12/9/2003	86	ND	28	5.7	ND	16	ND	5.7	ND	ND	ND	ND	ND	ND	--	ND	ND	2.4	ND	ND	10	ND	ND	--	ND	11	ND
PW-7	3/9/2004	100	ND	72	6.0	ND	3.8	ND	6.0	ND	ND	ND	ND	ND	ND	--	ND	ND	3.2	ND	ND	7.9	ND	ND	ND	ND	25	ND
PW-7	7/1/2004	100	ND	83	6.1	ND	6.0	ND	6.2	1.4	ND	ND	ND	ND	ND	--	ND	ND	4.5	ND	ND	8.6	ND	ND	ND	ND	31	ND
PW-7	12/2/2004	110	ND	93	6.9	ND	7.8	ND	7.3	1.4	ND	ND	ND	ND	ND	--	ND	ND	4.4	ND	ND	12	ND	ND	ND	ND	37	ND
PW-7 (Dup)	12/2/2004	110	ND	99	6.7	ND	7.8	ND	7.7	1.4	ND	ND	ND	ND	ND	--	ND	ND	4.9	ND	ND	11	ND	ND	ND	ND	38	ND
PW-7	4/26/2005	71	ND	74	4.6	ND	17	ND	7.2	1.0	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	33	ND

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-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	8/15/2006	<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
RW-1D	9/17/2008	1.5	120	28	<1.0	<1.0	<1.0	<1.0	<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	71	<3.0
RW-2	9/29/1986	ND	--	--	ND	ND	ND	ND	ND	ND	ND	--	21	ND	10	--	--	ND	ND	--	ND	--	2.0	ND	ND	--	ND	ND
RW-2	6/12/1991	2.0	ND	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-2	8/16/1994	12	ND	--	ND	--	2.1	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-2	6/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
RW-2 (Dup)	6/23/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
RW-2	6/23/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND
RW-2	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-2	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-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

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-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-5S	9/17/2008	<1.0	<1.0	<1.0	<1.0	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-6	10/1/1986	ND	350	--	26	170	7.0	31	19	ND	10	--	30	ND	19	--	--	ND	ND	--	31	--	3.0	ND	ND	2.0	450	ND
RW-6	6/14/1991	2.0	130	--	16	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-6	12/13/1993	12	84	--	8.4	280	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
RW-6	12/13/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-6D	10/1/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	21	ND	6.0	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-6D	12/13/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	--	ND	--	--
RW-7	10/2/1986	ND	1,200	--	ND	3,300	ND	ND	ND	ND	ND	--	13,000	ND	8,300	--	--	ND	ND	--	3,100	--	ND	4,400	ND	55,000	ND	25,000
RW-7	12/10/1993	750	ND	--	23	460	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	690	--	ND	--	--	4,900	--	4,100
RW-7	4/6/1995	150	ND	--	ND	280	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	400	--	ND	--	--	2,400	--	2,100
RW-8	9/30/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	15	ND	5.0	--	--	ND	ND	--	ND	--	ND	ND	ND	2.0	ND	ND
RW-8	11/23/1993	ND	ND	--	1.6	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-8D	10/1/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	18	ND	3.0	--	--	ND	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-8D (Dup)	10/1/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	3.0	5.0	--	--	ND	ND	--	ND	--	ND	ND	ND	1.0	ND	ND
RW-8D	11/23/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-9	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	9.0	--	12	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-10	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	20	--	16	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-10	12/27/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-10	12/8/1993	4.9	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-10	8/17/1994	ND	ND	--	ND	ND	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-11	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	21	--	13	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-11	1/4/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-12	9/30/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	16	--	4.0	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-14	9/24/1986	ND	ND	--	ND	ND	2,000	15	81	160	ND	--	ND	--	ND	--	--	--	ND	--	ND	--	60	ND	ND	ND	ND	ND
RW-14	11/23/1993	ND	ND	--	ND	ND	590	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-15	9/29/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	18	--	11	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-15	12/27/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
RW-16	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	17	--	21	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-17	10/2/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	25	--	5.0	--	--	--	ND	--	ND	--	ND	ND	ND	ND	ND	ND
RW-17	6/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
RW-18	9/25/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	4.0	--	--	--	ND	--	ND	--	11	ND	ND	ND	ND	ND

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

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 15 through September 18, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		DNR-1	DNR-1 Dup	DNR-4D	DNR-7	GW-4D	GW-5I	GW-6D	GW-17D	GW-17I	GW-18	GW-19D	GW-19S	GW-19S Dup	GW-20D	GW-20I	GW-21D
Field Parameters																	
pH	S.U.	7.07	7.07	7.58	7.20	7.29	7.01	7.11	7.17	7.11	7.11	7.29	7.21	NA	7.19	7.16	7.11
Conductivity	µS/cm	536	536	562	607	588	621	563	622	617	597	574	572	NA	606	621	534
Dissolved Oxygen	mg/L	0.29	0.29	0.30	0.28	0.48	0.09	0.44	0.02	0.02	0.11	0.02	0.05	NA	0.04	0.10	0.05
Temperature	C°	11.12	11.12	12.80	11.30	11.48	10.86	12.20	10.04	9.74	10.26	10.55	10.12	NA	10.11	10.51	9.88
Oxidation/Reduction Potential	mv	-131.6	-131.6	-141.3	-124.1	-156.3	-104.1	-111.5	-140.9	-128.1	-100.8	-128.4	-118	NA	-124.8	-111.7	-128.6
Salinity	PSS	0.26	0.26	0.27	0.30	0.29	0.30	0.27	0.30	0.30	0.29	0.28	0.28	NA	0.30	0.30	0.26
Turbidity	NTU	3	3	7	5	6	7	15	1	2	3	5	1	NA	4	1	41
Sulfide	mg/L	0.04	0.04	0.46	0.36	0.13	0.01	0.13	0.0	0.02	0.00	0.02	0.00	NA	0.07	0.04	0.06
Dissolved Iron	mg/L	2.26	2.26	0	1.77	1.78	1.6	1.86	2.26	1.91	1.58	1.9	1.57	NA	1.88	1.66	1.17
Dissolved Manganese	mg/L	0.9	0.9	0.20	0.1	0.7	1.2	1.6	0.1	0.4	0.2	0.0	0.0	NA	0.4	0.0	2.1
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.22	0.23	0.12	0.052	0.13	0.094	<0.050	0.098	0.098	0.12	0.075	0.079	0.067	0.12	0.14	0.21
Total Organic Carbon	mg/L	2.0	1.5	1.2	1.4	1.1	<1.0	1.1	<1.0	<1.0	<1.0	1.1	1.0	2.6	<1.0	<1.0	<1.0
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.016	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sulfate	mg/L	<5.0	<5.0	13	13	15	19	21	17	17	15	21	21	23	15	20	<5.0
Chloride	mg/L	1.1	1.0	2.0	7.0	1.9	5.5	3.3	6.9	6.0	5	2.9	2.9	3.1	5.4	7.4	1.7
Total Alkalinity	mg/L	290	290	280	290	280	320	290	320	320	320	300	300	300	320	320	290
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	<1.0	<1.0	<2.0	<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	<1.0	<1.0	<1.0	14	<1.0	1.3	<1.0	1.3	1.6	1.8	<1.0	<1.0	0.46	1.8	<1.0	<1.0
Methane Gas in Water	µg/L	50	50	3.2	53	11	8.9	4.5	7.7	6.8	13	2.8	3.2	3.6	12	2.4	16

Notes:

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

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 15 through September 18, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-23S Dup	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26D Dup	GW-26I	MW-3I
Field Parameters																	
pH	S.U.	6.99	7.52	7.00	7.43	7.49	7.45	7.08	NA	6.98	7.17	7.00	6.77	7.43	NA	7.09	7.24
Conductivity	µS/cm	627	622	598	589	591	621	601	NA	607	581	623	577	582	NA	590	627
Dissolved Oxygen	mg/L	0.06	0.09	0.17	0.13	0.22	0.07	0.20	NA	0.29	0.14	0.20	0.35	0.09	NA	0.66	6.82
Temperature	C°	10.05	13.08	11.24	13.44	12.86	12.96	12.06	NA	11.71	11.75	10.83	11.19	11.23	NA	12.63	10.88
Oxidation/Reduction Potential	mv	-102.6	-220.4	-140.8	-223.7	-232.3	-276.8	-195.9	NA	-66.8	-93.9	-178.9	-98.3	-242.1	NA	-146.2	-106.7
Salinity	PSS	0.31	0.30	0.29	0.29	0.29	0.30	0.29	NA	0.30	0.28	0.30	0.28	0.28	NA	0.29	0.31
Turbidity	NTU	14	1	1	3	1	4	0	NA	3	2	4	5	3	NA	0	12
Sulfide	mg/L	0.04	0.56	0.16	0.20	1.04	9.12	0.18	NA	0.04	0.00	0.3	0.16	0.01	NA	0.03	0.19
Dissolved Iron	mg/L	1.57	0.5	2.09	1.14	0.1	0.07	2.65	NA	0.76	0.19	0	2.18	9.48	NA	1.95	2.26
Dissolved Manganese	mg/L	0.4	0.00	0.3	8	0.5	1.9	1.8	NA	0.9	0.1	1.09	0.8	0.5	NA	0.03	1.9
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.15	0.12	0.11	0.12	0.13	<0.050	0.12	0.11	0.056	<0.050	0.062	0.13	0.14	0.14	0.12	0.09
Total Organic Carbon	mg/L	<1.0	1.1	1	1.2	<1.0	1.1	1.4	1.2	<1.0	1.3	<1.0	1.3	1.8	1.7	1.2	1.3
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.12	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Sulfate	mg/L	19	10	18	14	5.5	23	22	23	20	9.7	20	13	<5.0	<5.0	13	18
Chloride	mg/L	6.9	3.0	1.9	1.9	2.2	5.4	3.8	3.7	4.0	2.3	4.2	4.8	1.8	1.8	1.7	2.7
Total Alkalinity	mg/L	320	300	290	290	290	300	290	290	310	270	320	290	310	300	310	300
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0
Ethene Gas in Water	µg/L	<1.0	3.6	1.8	<1.0	3.8	1.8	<1.0	<1.0	2.0	<1.0	2.3	<1.0	3.2	2.8	<1.0	<1.0
Methane Gas in Water	µg/L	4.8	6.3	2.2	20	22	2.8	3.3	3.4	1.40	<0.50	2.7	5.0	510	400	5.4	8.8

Notes:

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

Table 4
Summary of Biogeochemical and Field Parameters in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected September 15 through September 18, 2008

Biogeochemical and Field Parameters	Units	Sample Locations						
		MW-102D	MW-103S	PW-1	PW-4	PW-6	RW-1D	RW-5S
Field Parameters								
pH	S.U.	**7.87**	**7.28**	**6.87**	**6.91**	**6.84**	**7.40**	**7.16**
Conductivity	µS/cm	**421**	**639**	**577**	**591**	**598**	**537**	**672**
Dissolved Oxygen	mg/L	**0.36**	**0.50**	**3.04**	**0.12**	**0.14**	**0.45**	**0.27**
Temperature	C°	**12.61**	**12.24**	**10.09**	**10.54**	**10.44**	**10.96**	**11.21**
Oxidation/Reduction Potential	mv	**-135.8**	**-126.3**	**-73.6**	**-106.9**	**-107.2**	**-118.3**	**-153.8**
Salinity	PSS	**0.2**	**0.31**	**0.28**	**0.29**	**0.29**	**0.26**	**0.33**
Turbidity	NTU	**8**	**3**	NA	NA	NA	**11**	**4**
Sulfide	mg/L	**0.2**	**0.03**	NA	NA	NA	**0.03**	**0.02**
Dissolved Iron	mg/L	**0.09**	**1.84**	NA	NA	NA	**0.39**	**11.16**
Dissolved Manganese	mg/L	**0.1**	**0**	NA	NA	NA	**0.1**	**0.6**
Biogeochemical Parameters								
Nitrogen, Ammonia	mg/L	<0.050	**0.16**	NA	NA	NA	**0.07**	<0.050
Total Organic Carbon	mg/L	<1.0	**1.3**	NA	NA	NA	**1.4**	<1.0
Nitrogen, Nitrate	mg/L	<0.050	<0.050	NA	NA	NA	<0.050	<0.050
Nitrogen, Nitrite	mg/L	<0.050	<0.050	NA	NA	NA	<0.050	<0.050
Sulfate	mg/L	<5.0	**16**	NA	NA	NA	<5.0	**26**
Chloride	mg/L	**2.6**	**4.4**	NA	NA	NA	**3.9**	**4.1**
Total Alkalinity	mg/L	**210**	**300**	NA	NA	NA	**280**	**320**
Dissolved Gases								
Ethane Gas in Water	µg/L	<1.0	<1.0	NA	NA	NA	<1.0	<1.0
Ethene Gas in Water	µg/L	<1.0	<1.0	NA	NA	NA	**1.1**	<1.0
Methane Gas in Water	µg/L	**140**	**8.4**	NA	NA	NA	**93**	<0.50

Notes:

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

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

Sampling Month:		Discharge	July Data		July Data		July Data		July Data		July
Sample Date:		Limitations	07/07/08	07/07/08	07/14/08	07/14/08	07/21/08	07/21/08	07/28/08	07/28/08	Monthly
Site Identification:		See footnote after table 1	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent	Average Effluent
Compound Name	***Units***										
Chlorobenzene	ug/L	5(m)	-	-	-	<1.0	-	-	-	-	-
Methylene chloride	ug/L	5(m)	-	-	-	<1.0	-	-	-	-	-
1,1,1-Trichloroethane	ug/L	5(m)	-	-	-	<1.0	-	-	-	-	-
Trichloroethylene	ug/L	5(m)	-	-	-	<1.0	-	-	-	-	-
Vinyl chloride	ug/L	3(m)	**15**	<1.0	**15**	<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	**27**	**3.3**	**29**	**3.2**	**26**	**3.1**	**28**	**3.4**	**3.3**
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)	-	**9.8**	-	**6.4**	-	**14**	-	**5.5**	**8.9**
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	-	-	-	-	<0.50
Air Emission Rate	lbs/hr	1.0 †	0.0045		0.0077		0.0055		0.0075		
Cumulative Mass Removal	lbs		543.39		544.15		545.44		546.36		

- = 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	August Data		August Data		August Data		August Data		August
Sample Date:		Limitations	08/04/08	08/04/08	08/11/08	08/11/08	08/18/08	08/18/08	08/25/08	08/25/08	Monthly
Site Identification:		See footnote after table 1	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)	**16**	<1.0	**11**	<1.0	**11**	<1.0	**12**	<1.0	<1.0
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	**28**	**5.1**	**25**	**5.4**	**27**	**5.2**	**29**	**6.0**	**5.4**
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)	-	**5.9**	-	**6.7**	-	**6.2**	-	**7.4**	**6.6**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5.0	-	<0.50	-	<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
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	-	-	<0.50	-	-	-	-	<0.50
Air Emission Rate	lbs/hr	1.0 †	0.0059		0.0057		0.0060		0.0065		
Cumulative Mass Removal	lbs		547.63		548.62		549.57		550.58		

- = 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	September Data		September Data		September Data		September Data		September
Sample Date:		Limitations	09/02/08	09/02/08	09/08/08	09/08/08	09/15/08	09/15/08	09/22/08	09/22/08	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)	**11**	<1.0	**11**	<1.0	**15**	<1.0	**14**	<1.0	
Benzene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Toluene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
1,2-Dichloroethylene	ug/L	NA	**28**	**6.5**	**27**	**7.1**	**31**	**7.3**	**30**	**7.4**	
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)	-	**8.4**	-	**10**	-	**8.1**	-	**8.5**	
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	**2.7**	-	<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	
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	-	-	
Air Emission Rate	lbs/hr	1.0 †	0.0061		0.0058		0.0072		0.0067		
Cumulative Mass Removal	lbs		551.83		552.71		553.69		553.69		

- = 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
3rd Quarter 2008

Well ID	Jul-08			Aug-08			Sep-08		
	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation
PW-1	4,923,171	110	94	5,534,429	124	100	3,715,000	86	70
PW-3	1,689,342	38	94	1,839,607	41	100	1,202,250	28	70
PW-4	2,062,686	46	94	2,275,339	51	100	1,647,375	38	70
PW-6	3,797,250	85	77	5,241,000	117	100	3,496,000	81	70
PW-7	0	0	0	0	0	0	0	0	0
PW-8	0	0	0	0	0	0	0	0	0

Appendix A

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

Site: Rose Township
Client: Chrysler
Project No:
Personnel: P RILEY
Weather: 70° SUNNY

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

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [ml/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1615	TOC	0	450								NONE
1625	"	"	450	7.35	580	0.61	11.40	-157.6	0.28	4	
1630	"	"	"	7.31	585	0.54	11.36	-155.7	0.29	5	
1635	"	"	"	7.29	587	0.51	11.35	-155.6	0.29	7	
1640	"	"	"	7.29	588	0.48	11.34	-156.3	0.29	6	

Sampling Flow Rate: 450 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: GW4D-091808-PR
Sample Analysis: VOC + NA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1645
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: CTI YSI 556 Calibration Date: 9-18-08
Second Meter Info: CTI YSI 556 Calibration Date: 9-18-08
Water Level Meter Info: CTI KECK Calibration Date: —

Comments:

Signature: Phil Riley Date: 9-18-08

EarthTech

Project Number: 102777.04 Well Identification: GW 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	0.13	MG/L	☐ Yes	
Fe	1.78	"	☐ Yes	
MN	0.7	"	☐ 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: NO LOCK

Well Plug Type/Condition: 5 GOOD

Well Riser Material/Diameter: IRON 2"

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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 65°F, CLEAR, CALM

Well Identification: GW-22D
Water Level Before Pump Placement: 10.91 [feet btor]
Pump Intake Set At: 165.5
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%	
1125	10.93	0.03	150								CLEAR/NONE
1140	"	"	"	7.41	592	0.23	13.33	-209.1	0.29	6	"
1145	"	"	200	7.41	615	0.12	12.92	-218.6	0.30	3	"
1150	"	"	"	7.39	619	0.14	12.74	-206.8	0.30	1	"
1155	"	"	"	7.53	621	0.10	13.12	-206.7	0.30	1	"
1200	"	"	"	7.52	622	0.10	13.10	-218.3	0.30	1	"
1205	"	"	"	7.52	622	0.09	13.08	-220.4	0.30	1	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW22D-091808-JY
Sample Analysis: VOC, NA
Field Filtered Analysis:
Other Field Parameters ☑ Yes (See Reverse) ☐ No

Sample Time: 1210
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:** 09.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: Heron Dipper-T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.18.09

EarthTech

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Project Number: 102777.04 **Well Identification:** GW-22D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	0.50	mg/L	☒ Yes	4/12
Mn	0.0	mg/L	☒ Yes	1/13
SULFIDE	0.56	mg/L	☒ Yes	5/11
			☐ 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: POOR / 4

Well Plug Type/Condition: S PLUG / DESTROYED

Well Riser Material/Diameter: PVC / 2"

Constructed Total Depth: 168 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5 (feet) **Well Screen Interval:** 168 to 165 (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: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 70°F, CLEAR, CALM

Well Identification: GW-17D
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%	
0940	–	–	–								CLEAR / NONE
0955	–	–	–	7.15	622	0.04	10.07	-139.2	0.30	2	"
1000	–	–	–	7.15	622	0.03	10.05	-139.3	0.30	2	"
1005	–	–	–	7.11	622	0.03	10.05	-139.6	0.30	1	"
1010	–	–	–	7.17	622	0.02	10.04	-140.9	0.30	1	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW17D-091608-PRJY
Sample Analysis: VOC NA
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 Calibration Date: 09.16.08
Second Meter Info: HACH 2100P Calibration Date: 03.06.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

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Project Number: 102777.04 **Well Identification:** GW-17D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	2.26	mg/L	☒ Yes	4/12
Mn	0.1	mg/L	☒ Yes	1/13
SULFIDE	0.00	mg/L	☒ Yes	5/11
			☐ 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: 2" / PVC / OK

Well Riser Material/Diameter: 8" PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: P. RILEY
Weather: 70° SUNNY

Well Identification: GW23D
Water Level Before Pump Placement: 5.49 [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%	
1240	5.77	0.28	100								NONE
1300	"	"	"	7.49	591	0.29	12.91	-213.7	0.29	3	
1305	"	"	"	7.48	591	0.26	12.85	-220.4	0.29	1	
1310	"	"	"	7.49	591	0.24	12.92	-226.1	0.29	2	
1315	"	"	"	7.49	591	0.23	12.89	-229.2	0.29	1	
1320	"	"	"	7.49	591	0.22	12.86	-232.3	0.29	1	

Sampling Flow Rate: 100 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23D-091808-PR
Sample Analysis: VOC+NA+FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1325
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: CTI YSI 556 **Calibration Date:** 9-18-08
Second Meter Info: CTI HACH 2100P **Calibration Date:** 9-18-08
Water Level Meter Info: CTI KECK **Calibration Date:** —

Comments:

Signature: [signature] **Date:** 9-18-08

EarthTech

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Project Number: 102777.04 **Well Identification:** GW23D

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-	1.94	Mg/L	☒ Yes	
Fe	0.10	"	☒ Yes	
Mn	0.50	"	☒ 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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: 70° SUNNY

Well Identification: GW 23 S
Water Level Before Pump Placement: 6.93 [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%	
1345	6.97	0.04	200								
1355	"	"	"	7.21	600	0.29	12.43	-213.4	0.29	0	5"
1400	"	"	"	7.15	601	0.24	12.19	-206.9	0.29	0	
1405	"	"	"	7.12	601	0.22	12.11	-202.4	0.29	0	
1410	"	"	"	7.10	601	0.21	12.08	-199.3	0.29	0	
1415	"	"	"	7.08	601	0.20	12.06	-195.9	0.29	0	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW23S-091808-PR
Sample Analysis: VOC + NA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1420
QA/QC Sample Time: 1425

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW23SR-091808-PR
QA/QC Sample Analysis: VOC + NA
Meter Info: CTI YSI 556 **Calibration Date:** 9-18-08
Second Meter Info: CTI ~~YSI~~ HACH 2100P **Calibration Date:** 9-18-08
Water Level Meter Info: CTI KECK **Calibration Date:** —

Comments:

Signature: Phil Riley **Date:** 9-18-08

EarthTech

Project Number: 10277.04 **Well Identification:** GW23S

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-	0.18	Mg/L	☒ Yes	
Fe	2.65	"	☒ Yes	
Mn	1.8	"	☒ 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: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 74°F, CLEAR, CALM

Well Identification: GW-17I
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%	
0855	–	–	–	7.05							CLEAR / NONE
0910	–	–	–	~~9.74~~	618	0.23	9.74	-120.7	0.30	5	" / "
0915	–	–	–	7.10	617	0.02	9.73	-125.1	0.30	3	"
0920	–	–	–	7.10	617	0.01	9.73	-127.0	0.30	3	"
0925	–	–	–	7.11	617	0.02	9.74	-127.6	0.30	2	"
0930	–	–	–	7.11	617	0.02	9.74	-128.1	0.30	2	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW17I-091608-PRJY
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 0935
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: 09.16.08
Second Meter Info: Hach 2100P Calibration Date: 03.06.08
Water Level Meter Info: – Calibration Date: –

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-17I

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.91	mg/L	☑ Yes	4/12
Mn	0.4	mg/L	☑ Yes	1/13
SULFIDE	0.02	mg/L	☑ Yes	5/11
			☐ 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: 8" - PLUG / OK

Well Riser Material/Diameter: 2" PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 70°F, CLEAR CALM

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

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%	
1035	–	–	–								CLEAR / NONE
1055	–	–	–	7.17	608	0.11	10.08	-119.2	0.30	9	
1100	–	–	–	7.16	607	0.06	10.13	-120.9	0.30	6	
1105	–	–	–	7.19	606	0.05	10.13	-124.1	0.30	4	
1110	–	–	–	7.19	606	0.04	10.11	-124.8	0.30	4	

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW20D-091608-PRJY
Sample Analysis: VOC, MA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1115
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: HACH 2100P Calibration Date: 03.06.08
Second Meter Info: YSI 556 MPS (Pontiac) Calibration Date: 09.16.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

Project Number: 10277704 **Well Identification:** GW-~~P~~ 20D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.88	mg/L	☒ Yes	4/12
Mn	0.4	mg/L	☒ Yes	1/13
SULFATE	0.07	mg/L	☒ Yes	5/11
			☐ 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: 8" - PLUG / OK

Well Riser Material/Diameter: 2" / PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: JY, PB
Weather: 70°F, clear, calm

Well Identification: GW-20I
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%	
1120	–	–	–								CLEAR / NONE
1135	–	–	–	7.16	621	0.15	10.33	-105.2	0.30	2	"
1140	–	–	–	7.20	622	0.13	10.37	-107.8	0.30	2	"
1145	–	–	–	7.22	621	0.11	10.43	-110.1	0.30	1	"
1150	–	–	–	7.15	621	0.11	10.45	-109.7	0.30	1	"
1155	–	–	–	7.16	621	0.10	10.51	-111.7	0.30	1	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW20I-091608-PRJY
Sample Analysis: VOC, NA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1200
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: HACH 2100P Calibration Date: 09.06.08
Second Meter Info: YSI 556 MPS Calibration Date: 09.16.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-~~20S~~ 20I

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.66	mg/L	☒ Yes	4/12
Mn	0.0	mg/L	☒ Yes	1/13
Sulfide	0.04	mg/L	☒ Yes	5/11
			☐ 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: 8" PLUG / OK

Well Riser Material/Diameter: 2" / PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: JT, PR
Weather: 70°F, CLEAR, CALM

Well Identification: GW-19$
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%	
1225	–	–	–								CLEAR / NONE
1235	–	–	–	7.16	573	0.10	10.18	-105.7	0.28	4	"
1240	–	–	–	7.20	573	0.08	10.21	-110.9	0.28	2	"
1245	–	–	–	7.21	571	0.06	10.23	-114.0	0.28	2	"
1250	–	–	–	7.17	572	0.05	10.12	-115.5	0.28	2	"
1255	–	–	–	7.20	572	0.05	10.13	-115.9	0.28	2	"
1300	–	–	–	7.21	572	0.05	10.12	-118.0	0.28	1	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW19$-091608-PRJT
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 1305
QA/QC Sample Time: 1310

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW19R-091608-PRJT
QA/QC Sample Analysis:
Meter Info: HACH 2100P Calibration Date: ~~09.16.08~~ 03.06.08
Second Meter Info: YSI 556 MPS Calibration Date: 09.16.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-~~2~~19S

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.57	mg/L	☒ Yes	4/12
Mn	0.0	mg/L	☒ Yes	1/13
Sulfide	0.00	mg/L	☒ Yes	5/11
			☐ 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: 8" - PLUG / OK

Well Riser Material/Diameter: 2" / PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 72°F, CLEAR, CALM

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	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1310	–	–	–								CLEAR/NONE
1320	–	–	–	7.10	575	0.03	10.51	-123.0	0.28	21	"
1325	–	–	–	7.18	575	0.03	10.53	-125.0	0.28	14	"
1330	–	–	–	7.26	575	0.02	10.52	-125.8	0.28	9	"
1335	–	–	–	7.25	575	0.02	10.55	-126.9	0.28	6	"
1340	–	–	–	7.29	574	0.02	10.55	-128.4	0.28	5	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW 19D-091608-JY
Sample Analysis: VOC, NA
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: HACH 2100P Calibration Date: 03.06.08
Second Meter Info: YSI 556 MPS (Rental) Calibration Date: 09.16.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.16.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-19D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.90	mg/L	☒ Yes	4/12
Mn	0.0	mg/L	☒ Yes	1/13
Sulfide	0.02	mg/L	☒ Yes	5/11
			☐ 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: 8" PLUG / OK

Well Riser Material/Diameter: 2" / PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: PRiley
Weather: 55 SUNNY

Well Identification: DNR 4D
Water Level Before Pump Placement: ~~POC~~ 5.24 [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%	
1340	5.24	0	200								NONE
1350	"	"	"	7.71	560	0.46	13.14	-119.8	0.27	17	
1355	"	"	"	7.60	561	0.40	13.06	-128.2	0.27	13	
1400	"	"	"	7.59	561	0.35	12.94	-134.5	0.27	10	
1405	"	"	"	7.59	561	0.32	12.86	-137.4	0.27	9	
1410	"	"	"	7.58	562	0.30	12.92	-139.2	0.27	9	
1415	"	"	"	7.58	562	0.30	12.80	-141.3	0.27	7	

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: DNR4-091708-PR
Sample Analysis: VOC + MNA + FIELD
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: CTI YSI 556 Calibration Date: 9-17-08
Second Meter Info: CTI HACH 2100P Calibration Date: 9-17-08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 9-17-08

EarthTech

Project Number: 102777.04 **Well Identification:** DNR4

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)
ST	0.46	mg/L	☒ Yes	
Fe	0.00	"	☒ Yes	
Mn	0.2	"	☒ 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: Chrysler
Project No: 102777.04
Personnel: PRILEY
Weather: SUNNY 75°

Well Identification: MW 102D
Water Level Before Pump Placement: [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%	
1220			200								NONE
1230			"	7.86	422	0.48	12.70	-133.5	0.20	9	
1235			"	7.86	421	0.43	12.61	-133.8	0.20	7	
1240			"	7.86	421	0.39	12.70	-134.7	0.20	9	
1245			"	7.87	421	0.36	12.61	-135.8	0.20	8	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: MW102D-091708-PR
Sample Analysis: VOC+MNA+FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1250
QA/QC Sample Time: 1225

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☒ Field Blank ☐ Other:
QA/QC Sample Name: FB2
QA/QC Sample Analysis: VOC
Meter Info: CTI YSI 556 **Calibration Date:** 9-17-08
Second Meter Info: CTI HACH 2100P **Calibration Date:** 9-17-08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 9-17-08

EarthTech

Earth Tech 1275: Copy of Low Flow Form Version 2.6.xls
Revision: 12/17/2007 - BJE
Printed Date: 9/11/2008

Project Number: 102777.04 **Well Identification:** MW102D

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⁻	0.20	mg/L	☐ Yes	
Fe	0.09	"	☐ Yes	
Mn	0.1	"	☐ 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: Chrysler
Project No: 102777.04
Personnel: PR
Weather: SUNNY 70°

Well Identification: RW1D
Water Level Before Pump Placement: 18.13 [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%	
1105	18.22	0.08	150								NONE
1115	"	"	"	7.32	537	0.66	11.09	-125.7	0.26	19	
1120	"	"	"	7.34	536	0.55	10.99	-122.4	0.26	13	
1130	"	"	"	7.37	536	0.52	10.86	-118.1	0.26	12	
1135	"	"	"	7.39	537	0.48	10.93	-117.7	0.26	12	
1140	"	"	"	7.40	537	0.45	10.96	-118.3	0.26	11	

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: RW1D-091708-PR
Sample Analysis: VOC+MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1145
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: NONE
QA/QC Sample Analysis:
Meter Info: CTI YSI 556 **Calibration Date:** 9-17-08
Second Meter Info: CTI HACH 2100P **Calibration Date:** 9-17-08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: Phillip Riley **Date:** 9-17-08

EarthTech

Project Number: 102777.04 Well Identification: RW1D

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	
Fe	0.39	"	☒ Yes	
Mn	0.1	"	☒ 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: Chrysler
Project No: 102777.04
Personnel: PK
Weather: SUNNY 55°

Well Identification: GW25I
Water Level Before Pump Placement: 0.96 [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	~~0.96~~	1.07 -0.11	250								NONE
0855	1.07	0.11	250	6.75	577	0.45	10.96	-70.2	0.28	1	
0900	"	"	"	6.73	577	0.44	10.97	-93.1	0.28	2	
0905	"	"	"	6.75	577	0.45	11.01	-91.1	0.28	2	
0910	"	"	"	6.76	577	0.39	11.08	-94.3	0.28	2	
0915	"	"	"	6.76	577	0.36	11.13	-96.7	0.28	4	
0920	"	"	"	6.77	577	0.35	11.19	-98.3	0.28	5	"

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW25I-091808-PR
Sample Analysis: VOC + MNA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0925
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: Phillip Riley **Date:** 9.18.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-24D

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	
Fe#	0.76	"	☒ Yes	
MN	0.9	"	☒ 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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: Cloudy 65°

Well Identification: GW 22I
Water Level Before Pump Placement: 19.55 [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%	
1130	19.59	0.04	275								
1140	"	"	"	7.01	599	0.34	12.34	-115.0	0.29	3	
1145	"	"	"	7.09	598	0.30	11.77	-127.3	0.29	1	
1150	"	"	"	7.03	598	0.22	11.38	-130.9	0.29	1	
1155	"	"	"	7.01	598	0.20	11.32	-133.8	0.29	2	
1200	"	"	"	7.00	598	0.18	11.27	-139.0	0.29	1	
1205	"	"	"	7.00	598	0.17	11.24	-140.8	0.29	1	

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW22I-091808-PR
Sample Analysis: VOC + NA +
Field Filtered Analysis: —
Other Field Parameters: ☒ Yes (See Reverse) ☐ No

Sample Time: 1210
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: CTI YSI #556 Calibration Date: 9-18-08
Second Meter Info: CTI HACH 2100P Calibration Date: 9-18-08
Water Level Meter Info: CTI KECK Calibration Date: —

Comments:

Signature: Phillip Riley
Date: 9-18-08

EarthTech

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Project Number: 10777.04 **Well Identification:** GW22I

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	0.16	Mg/L	☐ Yes	
Fe	2.09	"	☐ Yes	
Mn	0.30	"	☐ 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: DESTROYED - SCREW TYPE

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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: SUNNY 70°

Well Identification: GW 26I
Water Level Before Pump Placement: 14.13 [feet btor]
Pump Intake Set At: screen
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%	
1500	14.38	0.25	150								NONE
1510	"	"	"	7.10	591	0.60	12.40	-161.7	0.29	2	
1515	"	"	"	7.07	590	0.66	12.15	-150.1	0.29	1	
1520	"	"	"	7.07	590	0.70	12.49	-144.6	0.29	1	
1525	"	"	"	7.09	590	0.66	12.63	-146.2	0.29	0	

Sampling Flow Rate: 150 mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW26I-091908-PR
Sample Analysis: VOC + NA + FIELD
Field Filtered Analysis: —
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1530
QA/QC Sample Time: —

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: —
QA/QC Sample Analysis: —
Meter Info: CTI YSI 556 Calibration Date: 9-18-08
Second Meter Info: CTI HACH 2100P Calibration Date: 9-18-08
Water Level Meter Info: CTI KECK Calibration Date: —

Comments:

Signature: [signature] Date: 9-18-08

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-	0.03	Mg/L	☐ Yes	
			☐ Yes	
Fe	1.45		☐ Yes	
			☐ Yes	
Mn	0.03		☐ 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: screw

Well Riser Material/Diameter: PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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

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

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

EarthTech

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

Site: Rose Township
Client: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 69°F, CLEAR, CALM

Well Identification: GW-26D
Water Level Before Pump Placement: 11.15 [feet btor]
Pump Intake Set At: 128.5
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%	
1455	11.20	-	250								CLEAR / NONE
1515	"	0.0	"	7.44	573	0.11	11.31	-250.5	0.28	8	"
1520	"	"	"	7.43	578	0.09	11.28	-245.3	0.28	4	"
1525	"	"	"	7.44	580	0.09	11.27	-243.5	0.28	3	"
1530	"	"	"	7.43	582	0.09	11.23	-242.1	0.28	3	"

Sampling Flow Rate: 250 mL/min
Controler/Pump Settings: - CPM - PSI
Sample Identification: GW26D-091808-JY
Sample Analysis: VOC, NA
Field Filtered Analysis: -
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1535
QA/QC Sample Time: 1540

QA/QC Sample Type: ☒ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW26DR-091808-JY
QA/QC Sample Analysis: VOC, NA
Meter Info: YSI #556 MPS (Rental) **Calibration Date:** 09.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: Heron Dipper T **Calibration Date:** -

Comments:

Signature: [signature] **Date:** 09.18.08

EarthTech

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Printed Date: 7/9/2008

Project Number: 102777.04 **Well Identification:** GW-26D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	4.74 (x2)	mg/L	☒ Yes	4/12
Mn	0.5	mg/L	☒ Yes	1/13
Sulfide	0.01	mg/L	☒ Yes	5/11
			☐ 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: J-PLUG / GOOD

Well Riser Material/Diameter: PVC / 2"

Constructed Total Depth: 130 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5 (feet) **Well Screen Interval:** 130 to 125 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 69°F, CLEAR, CALM

Well Identification: GW-23I
Water Level Before Pump Placement: 7.39 [feet btor]
Pump Intake Set At: 97.5
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%	
1350	7.49	–	250								CLEAR/NONE
1405	"	0.0	"	7.46	619	0.09	13.53	-276.1	0.30	10	"
1410	–	–	–	7.48	619	0.07	13.51	-280.6	0.30	6	"
1415	"	"	"	7.55	620	0.07	13.18	-280.2	0.30	5	"
1420	"	"	"	7.45	621	0.07	12.96	-276.8	0.30	4	"

Sampling Flow Rate: 250 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW23I-091808-JY
Sample Analysis: VOC, NA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1425
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:** 09.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: Heron Dipper-T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.18.08

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Printed Date: 9/11/2008

Project Number: 102777.04 **Well Identification:** GW-23 I

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	0.07	mg/L	☒ Yes	4/12
Mn	1.9	mg/L	☒ Yes	4/13
SULFIDE	22.8	mg/L	☒ Yes	5/11
			☐ 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: master

Well Plug Type/Condition: OK

Well Riser Material/Diameter: PVC/2"

Constructed Total Depth: 100 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 97.5 (feet) **Well Screen Interval:** 100 to 95 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 69°F, CLEAR, CALM

Well Identification: GW-22$
Water Level Before Pump Placement: 22.31 [feet btor]
Pump Intake Set At: 54.5
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%	
1240	22.61	0.00	200								CLEAR / NONE
1255	22.62	0.01	"	7.52	589	0.16	13.49	-229.9	0.29	5	"
1300	"	"	"	7.51	589	0.15	13.35	-228.3	0.29	5	"
1305	"	"	"	7.46	588	0.13	13.41	-226.9	0.29	3	"
1310	"	"	"	7.43	588	0.12	13.47	-224.4	0.29	3	"
1315	"	"	"	7.43	589	0.13	13.44	-223.7	0.29	3	"

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW22$-091808-JY
Sample Analysis: VOC, NA
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 Calibration Date: 09.18.08
Second Meter Info: HACH 2100P Calibration Date: 03.06.08
Water Level Meter Info: Heron Dipper T Calibration Date: –

Comments:

Signature: [signature] Date: 09.18.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-22S

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.14	mg/L	☒ Yes	4/12
Mn	8.0	mg/L	☒ Yes	1/13
SULFIDE	0.20	mg/L	☒ Yes	5/11
			☐ 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: 9/16"

Lock Type/Lock Key Number: master / 69

Well Plug Type/Condition: 3 PLUGS / GOOD

Well Riser Material/Diameter: PVC / 2"

Constructed Total Depth: 57 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5 (feet) **Well Screen Interval:** 57 to 52 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 60°F, CLEAR, CALM

Well Identification: GW-24I
Water Level Before Pump Placement: 5.81 [feet btor]
Pump Intake Set At: 123.5
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%	
1000	5.81	0.0	220								CLEAR
1015	"	"	"	7.14	585	0.23	11.77	-98.5	0.29	6	"
1020	"	"	"	7.16	584	0.19	11.71	-94.7	0.28	4	"
1025	"	"	"	7.15	582	0.17	11.76	-91.5	0.28	2	"
1030	"	"	"	7.17	581	0.15	11.77	-88.9	0.28	2	"
1035	"	"	"	7.15	581	0.14	11.76	-85.8	0.28	2	"
1040	"	"	"	7.17	581	0.14	11.75	-93.9	0.28	2	"

Sampling Flow Rate: mL/min
Controler/Pump Settings: - CPM - PSI
Sample Identification: GW24I-091808-JY
Sample Analysis: VOC, NA
Field Filtered Analysis: -
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1045
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: 09.18.08
Second Meter Info: HACH 2100P Calibration Date: 03.06.08
Water Level Meter Info: DIPPER-T Calibration Date: -

Comments:

Signature: [signature] Date: 09.18.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW-24 I

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	0.19	mg/L	☒ Yes	4/12
Mn	0.1	mg/L	☒ Yes	1/13
SULFIDE	0.00	mg/L	☒ Yes	5/11
			☐ 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: MASTER / 22

Well Plug Type/Condition: J-PLUG / GOOD

Well Riser Material/Diameter: PVC / 2"

Constructed Total Depth: 126.0 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5.0 (feet) **Well Screen Interval:** 126 to 121 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 57°F, CLEAR, CALM

Well Identification: GW-25D
Water Level Before Pump Placement: 1.14 [feet btor]
Pump Intake Set At: 123.5
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%	
0840	1.16	0.02	225								CLEAR/NONE
0852	1.17	0.03	225	6.84	619	0.29	10.79	-161.5	0.30	8	"
0857	1.17	0.03	225	6.96	623	0.21	10.75	-172.2	0.30	6	"
0902	1.19	0.05	225	6.97	623	0.21	10.76	-174.5	0.30	5	"
0907	1.20	0.06	225	6.99	623	0.21	10.80	-176.8	0.30	4	"
0912	1.20	0.06	225	7.00	623	0.20	10.83	-178.9	0.30	4	"

Sampling Flow Rate: 225 mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW25D-091808-JY
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 0915
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:** 09.18.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: DIPPER-T **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.18.08

EarthTech

Project Number: 102777.04 Well Identification: GW-25D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH 2100 DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.09	mg/L	☒ Yes	4/12
Mn	0.0	mg/L	☒ Yes	1/13
SULFIDE	0.28	mg/L	☒ Yes	5/11
			☐ 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: 9/16

Lock Type/Lock Key Number: —

Well Plug Type/Condition: 8' PLUG / GOOD

Well Riser Material/Diameter: PVC / 2"

Constructed Total Depth: 126 (ft. btor) Measured Total Depth: (ft. btor)

Well Screen Length: 5 (feet) Well Screen Interval: 126 to 121 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 76°F, CLEAR, CALM

Well Identification: MW103-$
Water Level Before Pump Placement: 41.35 [feet btor]
Pump Intake Set At: 95.5'
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 [ºC]	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	41.28	-	200								CLOUDY / NONE
1510	"	0.07	"	7.28	641	0.61	12.43	-127.3	0.31	4	CLEAR / NONE
1515	"	"	"	7.26	639	0.57	12.52	-126.1	0.31	3	"
1520	"	"	"	7.31	641	0.55	12.42	-129.2	0.31	3	"
1525	"	"	"	7.30	639	0.54	12.36	-127.8	0.31	2	"
1530	"	"	"	7.28	639	0.50	12.24	-126.3	0.31	3	"

Sampling Flow Rate: 200 mL/min
Controler/Pump Settings: 5 CPM 40 PSI
Sample Identification: MW103$-091708-JY
Sample Analysis: VOC, NA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1535
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: 09.17.08
Second Meter Info: HACH 2100P Calibration Date: 03.06.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.17.08

EarthTech

Project Number: 102777.04 **Well Identification:** MW 103-S

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: Hach DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.84	mg/L	☑ Yes	4/12
Mn	0.0	mg/L	☑ Yes	1/13
Sulfide	0.03	mg/L	☑ Yes	5/11
			☐ 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: J-Plug / Destroyed

Well Riser Material/Diameter: 2" steel

Constructed Total Depth: 98 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5 (feet) **Well Screen Interval:** 98 to 93 (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: Chrysler
Project No: 102777.04
Personnel:
Weather:

Well Identification: MW-3I
Water Level Before Pump Placement: 30.82 [feet btor]
Pump Intake Set At: 77.5
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%	
1140	30.71	0.11	205								Clear / None
1155	"	"	205	7.23	626	7.46	10.92	-105.0	0.31	15	"
1158	"	"	"	7.24	627	7.17	10.87	-106.0	0.31	14	"
1202	"	"	"	7.23	626	~~7.23~~ 6.99	10.90	-106.3	0.31	14	"
1205	"	"	"	7.23	627	6.84	10.89	-106.3	0.31	13	"
1208	"	"	"	7.24	627	6.82	10.88	-106.7	0.31	12	"

Sampling Flow Rate: 205 mL/min
Controler/Pump Settings: 41 CPM 4 PSI
Sample Identification: MW3I-091708-JY
Sample Analysis: VOC, NA
Field Filtered Analysis:
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1210
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:** 09.17.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.17.08

EarthTech

Project Number: 102777.04 **Well Identification:** RW-5$

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	2.26	mg/L	☒ Yes	4/12
Mn	1.9	mg/L	☒ Yes	1/13
Sulfide	0.19	mg/L	☒ Yes	5/11
			☐ 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: J. PLUG / OK

Well Riser Material/Diameter: 2" / Steel

Constructed Total Depth: 80 (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 5' (feet) **Well Screen Interval:** 80 to 75 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 76°F, CLEAR, CALM

Well Identification: RW-5S
Water Level Before Pump Placement: 39.84 [feet btor]
Pump Intake Set At: 48.5
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	39.79	0.05	350								CLEAR/NONE
1015	–	–	"	7.19	671	0.34	11.23	-145.0	0.33	12	"
1020	–	–	"	7.18	672	0.31	11.19	-149.1	0.33	6	"
1025	–	–	"	7.17	672	0.25	11.20	-150.6	0.33	5	"
1030	–	–	"	7.17	672	0.25	11.19	-152.9	0.33	5	"
1035	–	–	"	7.16	672	0.27	11.21	-153.8	0.33	4	"

Sampling Flow Rate: 350 mL/min
Controler/Pump Settings: 8 CPM 38 PSI
Sample Identification: RW5S-091708-JY
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1040
QA/QC Sample Time: 1050

QA/QC Sample Type: ☐ Duplicate ☒ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: RW5S-MS/MSD-091708-JY
QA/QC Sample Analysis: VOC, NA
Meter Info: YSI 556 MPS (Rental) Calibration Date: 09.17.08
Second Meter Info: HACH 2100P Calibration Date: 03.00.08
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.17.08

EarthTech

Project Number: 10277704 **Well Identification:** RW-5S

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	5.58	mg/L	☒ Yes	4/12
Mn	0.6	mg/L	☒ Yes	1/13
SULFIDE	0.02	mg/L	☒ Yes	5/11
			☐ 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: J PLUG / GOOD

Well Riser Material/Diameter: 2" / STEEL

Constructed Total Depth: 50' (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 3' (feet) **Well Screen Interval:** 50 to 47 (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: Chrysler
Project No: 102777.04
Personnel: JY
Weather: 76°F, CLEAR, CALM

Well Identification: DNR-7
Water Level Before Pump Placement: 37.58 [feet btor]
Pump Intake Set At: 80'
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%	
1235	37.62	0.04	210								CLOUDY / NONE
1255	"	"	"	7.21	594	0.40	~~11.32~~ 11.41	-120.2	0.29	35	CLEAR / NONE
1300	"	"	"	7.20	601	0.37	11.33	-120.9	0.29	13	"
1305	"	"	"	7.19	603	0.31	11.36	-121.4	0.29	6	"
1310	"	"	"	7.21	606	0.29	11.31	-125.5	0.30	5	"
1315	"	"	"	7.20	607	0.28	11.30	-124.1	0.30	5	"

Sampling Flow Rate: 210 mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: DNR7-091708-JY
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1320
QA/QC Sample Time: 1230

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☒ Other:
QA/QC Sample Name: EB3-091708-JY
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 MPS (Rental) **Calibration Date:** 09.17.08
Second Meter Info: HACH 2100P **Calibration Date:** 03.06.08
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.17.08

EarthTech

Project Number: 102777.04 **Well Identification:** RW-5$

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.77	mg/L	☒ Yes	4/12
Mn	0.1	mg/L	☒ Yes	1/13
Sulfide	0.36	mg/L	☒ Yes	5/11
			☐ 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: ~~J PO~~ –

Well Plug Type/Condition: J PLUG / OK

Well Riser Material/Diameter: 2" Steel

Constructed Total Depth: 81' (ft. btor) **Measured Total Depth:** (ft. btor)

Well Screen Length: 2' (feet) **Well Screen Interval:** 81 to 79 (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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: INDOORS

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/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%	
915	-	-	117								
940	—	—	"	6.84	598	0.77	10.54	-78.7	0.29		
945	—	—	"	6.85	598	0.67	10.54	-80.0	0.29		
950	—	—	"	6.80	598	0.13	10.44	-88.5	0.29		
955	—	—	—	6.83	598	0.12	10.44	-97.4	0.29		
1000	—	—	—	6.85	598	0.12	10.44	-100.0	0.29		
1005	—	—	—	6.84	598	0.13	10.44	-104.3	0.29		
1010	—	—	—	6.84	598	0.14	10.44	-107.2	0.29		

Sampling Flow Rate: 117 gal/min ~~mL/min~~
Controler/Pump Settings: — CPM — PSI
Sample Identification: PW6-091508-PR
Sample Analysis: VOC
Field Filtered Analysis:
Other Field Parameters ☐ Yes (See Reverse) ☐ No

Sample Time: 1013
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 Calibration Date: 9-15-08
Second Meter Info: Calibration Date:
Water Level Meter Info: Calibration Date:

Comments:

Signature: P Riley Date: 9-15-08

EarthTech
Revision: 12/17/2007 - BJE

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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: INDOORS

Well Identification: PW-1
Water Level Before Pump Placement: — [feet btor]
Pump Intake Set At: —
Headspace Reading/Lamp: — [ppm] [eV]
Sampling Pump Type: —

Time [hhmm]	Depth to Water [ft btor]	Draw Down [feet]	Flow Rate [mL/min]	pH [SU]	Conductivity [µS/cm]	DO [mg/L]	Temperature [°C]	ORP [mV]	Salinity [PSS/%]	Turbidity [NTU]	Color/Odor, or Other
	USEPA Criteria	<0.3 ft	100 - 500	± 0.1	± 3%	± 10%	± 0.5	± 10mV	± 10%	± 10%	
1052	—	—	—								DISCHARE
1100	—	—	125	6.85	577	3.21	10.09	-70.6	0.28		WATER FROM
1105	—	—	"	6.86	577	3.08	10.09	-72.1	0.28		THE PW-1
1110	—	—	"	6.87	577	3.05	10.09	-72.7	0.28		HEADER IS
1115	—	—	"	6.87	577	3.04	10.09	-73.6	0.28		BUBBLY,

Sampling Flow Rate: mL/min
Controler/Pump Settings: CPM PSI
Sample Identification: PW1-091508-PR
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1117
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 **Calibration Date:** 9-15-08
Second Meter Info: — **Calibration Date:** —
Water Level Meter Info: — **Calibration Date:** —

Comments:

Signature: Philip Riley **Date:** 9-15-08

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: Chrysler
Project No: 102777.04
Personnel: P RILEY
Weather: INDOORS

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]	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%	
1130	—	—	6.2								
1135	—	—	"	6.91	596	0.11	10.55	-101.3	0.29		
1140	—	—	"	6.91	593	0.12	10.54	-104.2	0.29		
1145	—	—	"	6.91	592	0.12	10.54	-105.6	0.29		
1150	—	—	"	6.91	591	0.12	10.54	-106.9	0.29		

Sampling Flow Rate: mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: PW 4-091508-PR
Sample Analysis: VOC
Field Filtered Analysis: —
Other Field Parameters ☐ Yes (See Reverse) ☒ No

Sample Time: 1152
QA/QC Sample Time: 1138

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☒ Other:
QA/QC Sample Name: EBI-061508-PR54
QA/QC Sample Analysis: VOC
Meter Info: YSI 556 Calibration Date: 9-15-08
Second Meter Info: — Calibration Date: —
Water Level Meter Info: — Calibration Date: —

Comments:

Signature: Phillip Riley Date: 9-15-08

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: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 68°F overcast, calm

Well Identification: GW-6D
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%	
1200	–	–	–								CLEAR/NONE
1230	–	–	–	7.11	564	0.53	12.19	-113.3	0.28	18	"
1235	–	–	–	7.08	563	0.47	12.13	-112.3	0.27	15	"
1240	–	–	–	7.09	563	0.46	12.14	-112.2	0.27	15	"
1245	–	–	–	7.11	563	0.44	12.20	-111.5	0.27	15	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW6D-091508-JY
Sample Analysis: VOC, MA
Field Filtered Analysis: NO
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1250
QA/QC Sample Time: \

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: HACH 2100 Calibration Date: 03.06.08
Second Meter Info: HACH DR850 Calibration Date: –
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.15.08

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)
Fe	1.86	mg/L	☒ Yes	4/12
Mn	1.6	mg/L	☒ Yes	1/13
Sulfate	0.13	mg/L	☒ Yes	5/11
			☐ 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: Chrysler
Project No: 102777.04
Personnel: JV, PR
Weather: 70°F, OVERCAST, CALM

Well Identification: GW-18
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%	
1315	–	–	–								CLEAR/NONE
1330	–	–	–	7.03	600	0.14	10.22	-101.4	0.29	5	"
1335	–	–	–	7.00	599	0.11	10.16	-98.6	0.29	5	"
1340	–	–	–	6.98	599	0.09	10.17	-97.8	0.29	4	"
1345	–	–	–	6.99	599	0.13	10.29	-99.2	0.29	4	"
1350	–	–	–	7.08	600	0.11	10.28	-100.6	0.29	4	"
1355	–	–	–	7.11	597	0.11	10.26	-100.8	0.29	3	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW18-091508-JV
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1400
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: HACH 2100P Calibration Date: 03.6.08
Second Meter Info: HACH DR850 Calibration Date: –
Water Level Meter Info: – Calibration Date:

Comments:

Signature: [signature] Date: 09.15.08

EarthTech

Project Number: 102777.04 **Well Identification:** GW 18

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.58	mg/L	☒ Yes	4/12
Mn	0.2	mg/L	☒ Yes	1/13
SULFIDE	0.0	mg/L	☒ Yes	5/11
			☐ 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: 8' - J PLUG / POOR

Well Riser Material/Diameter: 2" / STEEL

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: Chrysler
Project No: 102777.04
Personnel: JY PR
Weather: 70°F, OVERCAST, DRIZZLE, CALM

Well Identification: GW-5I
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%	
1405	–	–	–								CLEAR/NONE
1415	–	–	–	6.95	621	0.12	10.71	-98.5	0.30	8	"
1420	–	–	–	6.99	621	0.11	10.75	-101.8	0.30	7	"
1425	–	–	–	6.99	621	0.10	10.83	-103.7	0.30	7	"
1430	–	–	–	7.01	621	0.09	10.86	-104.1	0.30	7	"

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW5I-091508-PRJY
Sample Analysis: VOC MA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1435
QA/QC Sample Time:

QA/QC Sample Type: ☐ Duplicate ☐ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name:
QA/QC Sample Analysis:
Meter Info: HACH 2100 P **Calibration Date:** 03.06.08
Second Meter Info: HACH DR850 **Calibration Date:** –
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.15.08

EarthTech

Project Number: 10277704 Well Identification: GW-5I

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.60	mg/L	☒ Yes	4/12
Mn	1.2	mg/L	☒ Yes	1/13
SULFIDE	0.01	mg/L	☒ Yes	5/11
			☐ 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: 8' - J PLUG / OK

Well Riser Material/Diameter: 2" / STEEL

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: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 70°F, OVERCAST, CALM

Well Identification: GW-21$
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%	
1445	—	—	—								CLEAR / NONE
1500	—	—	—	7.00	628	0.14	9.96	-99.1	0.31	111	CLOUDY / NONE
1505	—	—	—	6.94	627	0.09	10.02	-99.1	0.31	35	CLEAR / NONE
1510	—	—	—	6.95	627	0.08	10.04	-99.3	0.31	22	" / "
1515	—	—	—	6.94	627	0.07	10.07	-99.6	0.31	16	" / "
1520	—	—	—	6.99	627	0.06	10.05	-102.6	0.31	14	" / "

Sampling Flow Rate: — mL/min
Controler/Pump Settings: — CPM — PSI
Sample Identification: GW21$-091508-PRJY
Sample Analysis: VOC, NA
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: HACH 2100 P Calibration Date: 03.06.08
Second Meter Info: HACH DR850 Calibration Date:
Water Level Meter Info: Calibration Date:

Comments:

Signature: [signature] Date: 09.15.08

EarthTech

Project Number: 102777.04 Well Identification: GW-21S

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR 850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.57	mg/L	☒ Yes	4/12
Mn	0.4	mg/L	☒ Yes	1/13
SULFIDE	0.04	mg/L	☒ Yes	5/11
			☐ 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: 8'-J PLUG / DESTROYED

Well Riser Material/Diameter: 2" / PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

Well Condition - Good (Well is in perfect working order may have some cosmetic damage, well name is clearly marked, protective-casing is in good shape, etc.)
Ok (Well has some minor damage but is in working order, well name might not be clearly visible, protective-casing/well skirt needs minor work, etc.)
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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: Chrysler
Project No: 102777.04
Personnel: JY, PR
Weather: 70°F, overcast, calm

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%	
1525	–	–	–								CLOUDY / NONE
1540	–	–	–	7.10	533	0.04	9.93	-125.4	0.26	112	" / "
1545	–	–	–	7.10	533	0.04	9.93	-125.8	0.26	55	CLEAR / "
1550	–	–	–	7.09	533	0.04	9.92	-126.1	0.26	47	" / "
1555	–	–	–	7.10	534	0.05	9.89	-128.2	0.26	43	" / "
1600	–	–	–	7.11	534	0.05	9.88	-128.6	0.26	41	" / "

Sampling Flow Rate: – mL/min
Controler/Pump Settings: – CPM – PSI
Sample Identification: GW21D-091508-PRJY
Sample Analysis: VOC, NA
Field Filtered Analysis: –
Other Field Parameters ☒ Yes (See Reverse) ☐ No

Sample Time: 1605
QA/QC Sample Time: 1610

QA/QC Sample Type: ☐ Duplicate ☒ MS/MSD ☐ Field Blank ☐ Other:
QA/QC Sample Name: GW[illegible]D 091508-PRJY/MS/MSD
QA/QC Sample Analysis: VOC, NA
Meter Info: **Calibration Date:**
Second Meter Info: **Calibration Date:**
Water Level Meter Info: **Calibration Date:**

Comments:

Signature: [signature] **Date:** 09.15.08

EarthTech

Project Number: 10277704 **Well Identification:** GW-21D

Other Field Parameters

Required per the Sampling Plan: ☐ Yes ☐ No

Method(s):

Meter(s) Info: HACH DR850

Meter(s) Calibration Date(s):

Parameter	Result	Units	Zero Check	Reagent(s) Expiration Date(s)
Fe	1.17	mg/L	☒ Yes	4/12
Mn	2.1	mg/L	☒ Yes	1/13
Sulfide	0.06	mg/L	☒ Yes	5/11
			☐ 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: 8" J-PLUG / POOR

Well Riser Material/Diameter: 2" PVC

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

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

Comments:

Definitions/Descriptions:

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

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

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

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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.

September 30, 2008

EARTH TECH/AECOM - 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
0809296	09/16/2008	Semi-Annual
0809322	09/17/2008	Semi-Annual
0809359	09/18/2008	Semi-Annual
0809399	09/19/2008	Semi-Annual

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 211.

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Individual sample results relate only to the sample tested.
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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW6-091508-PR**	Sampled:	09/15/08 10:13
Lab Sample ID:	**0809296-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	**1.4**	1.0
75-01-4	Vinyl Chloride	**10**	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	**13**	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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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW6-091508-PR**	Sampled:	09/15/08 10:13
Lab Sample ID:	**0809296-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	109	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	96	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW1-091508-PR**	Sampled:	09/15/08 11:17
Lab Sample ID:	**0809296-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	**1.3**	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	**4.9**	1.0
75-34-3	1,1-Dichloroethane	**1.6**	1.0
156-59-2	cis-1,2-Dichloroethene	**33**	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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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW1-091508-PR**	Sampled:	09/15/08 11:17
Lab Sample ID:	**0809296-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	102	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	98	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB1-091508-PRJY**	Sampled:	09/15/08 11:38
Lab Sample ID:	**0809296-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	**25**	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	**3.4**	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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB1-091508-PRJY**	Sampled:	09/15/08 11:38
Lab Sample ID:	**0809296-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	110	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW4-091508-PR**	Sampled:	09/15/08 11:52
Lab Sample ID:	**0809296-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	**1.4**	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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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW4-091508-PR**	Sampled:	09/15/08 11:52
Lab Sample ID:	**0809296-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

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	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW6D-091508-JY**	Sampled:	09/15/08 12:50
Lab Sample ID:	**0809296-05**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092351

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**PW6D-091508-JY**	Sampled:	09/15/08 12:50
Lab Sample ID:	**0809296-05**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30

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	09/17/08	CLD	0810745
Chloride	**3.3**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW18-091508-PRJY**	Sampled:	09/15/08 14:00
Lab Sample ID:	**0809296-06**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**13**	0.50
74-85-1	Ethylene	**1.8**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW18-091508-PRJY**	Sampled:	09/15/08 14:00
Lab Sample ID:	**0809296-06**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**15**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW18-091508-PRJY**	Sampled:	09/15/08 14:00
Lab Sample ID:	**0809296-06**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW18-091508-PRJY**	Sampled:	09/15/08 14:00
Lab Sample ID:	**0809296-06**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30

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	09/17/08	CLD	0810745
Chloride	**5.0**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW5I-091508-PRJY**	Sampled:	09/15/08 14:35
Lab Sample ID:	**0809296-07**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**8.9**	0.50
74-85-1	Ethylene	**1.3**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW5I-091508-PRJY**	Sampled:	09/15/08 14:35
Lab Sample ID:	**0809296-07**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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	**54**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**5.3**	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	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**1.4**	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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW5I-091508-PRJY**	Sampled:	09/15/08 14:35
Lab Sample ID:	**0809296-07**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW5I-091508-PRJY**	Sampled:	09/15/08 14:35
Lab Sample ID:	**0809296-07**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30

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	09/17/08	CLD	0810745
Chloride	**5.5**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.094**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**19**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21S-091508-PRJY**	Sampled:	09/15/08 15:25
Lab Sample ID:	**0809296-08**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**4.8**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21S-091508-PRJY**	Sampled:	09/15/08 15:25
Lab Sample ID:	**0809296-08**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21S-091508-PRJY**	Sampled:	09/15/08 15:25
Lab Sample ID:	**0809296-08**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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	107	*75-128*
Toluene-d8	99	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21S-091508-PRJY**	Sampled:	09/15/08 15:25
Lab Sample ID:	**0809296-08**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30

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	09/17/08	CLD	0810745
Chloride	**6.9**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.15**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**19**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21D-091508-PRJY**	Sampled:	09/15/08 16:05
Lab Sample ID:	**0809296-09**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**16**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21D-091508-PRJY**	Sampled:	09/15/08 16:05
Lab Sample ID:	**0809296-09**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21D-091508-PRJY**	Sampled:	09/15/08 16:05
Lab Sample ID:	**0809296-09**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW21D-091508-PRJY**	Sampled:	09/15/08 16:05
Lab Sample ID:	**0809296-09**	Sampled By:	JY
Matrix:	Water	Received:	09/16/08 09:30

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	09/17/08	CLD	0810745
Chloride	**1.7**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.21**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM1708**	Sampled:	09/16/08 00:00
Lab Sample ID:	**0809296-10**	Sampled By:	
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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/AECOM - Livonia**	Work Order:	**0809296**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM1708**	Sampled:	09/16/08 00:00
Lab Sample ID:	**0809296-10**	Sampled By:	
Matrix:	Water	Received:	09/16/08 09:30
Unit:	ug/L	Prepared:	09/22/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/22/08 By: DLV
QC Batch:	0811006	Analytical Batch:	8092352

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	108	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB2-091608-JY**	Sampled:	09/16/08 08:30
Lab Sample ID:	**0809322-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB2-091608-JY**	Sampled:	09/16/08 08:30
Lab Sample ID:	**0809322-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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	110	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB1-091608-PRJY**	Sampled:	09/16/08 09:00
Lab Sample ID:	**0809322-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB1-091608-PRJY**	Sampled:	09/16/08 09:00
Lab Sample ID:	**0809322-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17I-091608-PRJY**	Sampled:	09/16/08 09:35
Lab Sample ID:	**0809322-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**6.5**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17I-091608-PRJY**	Sampled:	09/16/08 09:35
Lab Sample ID:	**0809322-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17I-091608-PRJY**	Sampled:	09/16/08 09:35
Lab Sample ID:	**0809322-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	109	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17I-091608-PRJY**	Sampled:	09/16/08 09:35
Lab Sample ID:	**0809322-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**6.0**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.098**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**17**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17D-091608-PRJY**	Sampled:	09/16/08 10:15
Lab Sample ID:	**0809322-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**6.8**	0.50
74-85-1	Ethylene	**1.6**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17D-091608-PRJY**	Sampled:	09/16/08 10:15
Lab Sample ID:	**0809322-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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	**12**	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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17D-091608-PRJY**	Sampled:	09/16/08 10:15
Lab Sample ID:	**0809322-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW17D-091608-PRJY**	Sampled:	09/16/08 10:15
Lab Sample ID:	**0809322-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**6.9**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.098**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**17**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20D-091608-PRJY**	Sampled:	09/16/08 11:15
Lab Sample ID:	**0809322-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**1.8**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20D-091608-PRJY**	Sampled:	09/16/08 11:15
Lab Sample ID:	**0809322-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

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	**14**	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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20D-091608-PRJY**	Sampled:	09/16/08 11:15
Lab Sample ID:	**0809322-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811017	Analytical Batch:	8092382

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20D-091608-PRJY**	Sampled:	09/16/08 11:15
Lab Sample ID:	**0809322-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**5.4**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20I-091608-PRJY**	Sampled:	09/16/08 12:00
Lab Sample ID:	**0809322-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**2.4**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20I-091608-PRJY**	Sampled:	09/16/08 12:00
Lab Sample ID:	**0809322-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20I-091608-PRJY**	Sampled:	09/16/08 12:00
Lab Sample ID:	**0809322-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	100	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW20I-091608-PRJY**	Sampled:	09/16/08 12:00
Lab Sample ID:	**0809322-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**7.4**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19S-091608-PRJY**	Sampled:	09/16/08 13:05
Lab Sample ID:	**0809322-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**3.2**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19S-091608-PRJY**	Sampled:	09/16/08 13:05
Lab Sample ID:	**0809322-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19S-091608-PRJY**	Sampled:	09/16/08 13:05
Lab Sample ID:	**0809322-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19S-091608-PRJY**	Sampled:	09/16/08 13:05
Lab Sample ID:	**0809322-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**2.9**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.079**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19R-091608-PRJY**	Sampled:	09/16/08 13:10
Lab Sample ID:	**0809322-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**2.8**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19R-091608-PRJY**	Sampled:	09/16/08 13:10
Lab Sample ID:	**0809322-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19R-091608-PRJY**	Sampled:	09/16/08 13:10
Lab Sample ID:	**0809322-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/23/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	109	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19R-091608-PRJY**	Sampled:	09/16/08 13:10
Lab Sample ID:	**0809322-08**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**2.9**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.075**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**21**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19D-091608-PRJY**	Sampled:	09/16/08 13:45
Lab Sample ID:	**0809322-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/18/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/18/08 By: JLB
QC Batch:	0810829	Analytical Batch:	8091853

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	**2.7**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19D-091608-PRJY**	Sampled:	09/16/08 13:45
Lab Sample ID:	**0809322-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809322**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW19D-091608-PRJY**	Sampled:	09/16/08 13:45
Lab Sample ID:	**0809322-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	109	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809322**
Project:	*Rose Township Groundwater Monitoring*	Description:	Semi-Annual
Client Sample ID:	**GW19D-091608-PRJY**	Sampled:	09/16/08 13:45
Lab Sample ID:	**0809322-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/17/08 10:30

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	09/18/08	CLD	0810787
Chloride	**3.4**	1.0	mg/L	1	USEPA-325.2	09/19/08	GEH	0810895
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/18/08	GEH	0810827
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810886
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/17/08	HLB	0810887
Sulfate	**22**	5.0	mg/L	1	USEPA-375.4	09/19/08	GEH	0810931
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/18/08	GEH	0810853

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR1-091708-PR**	Sampled:	09/17/08 10:15
Lab Sample ID:	**0809359-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**52**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR1-091708-PR**	Sampled:	09/17/08 10:15
Lab Sample ID:	**0809359-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR1-091708-PR**	Sampled:	09/17/08 10:15
Lab Sample ID:	**0809359-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	109	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR1-091708-PR**	Sampled:	09/17/08 10:15
Lab Sample ID:	**0809359-01**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**1.1**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.22**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**2.0**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR1-091708-PR**	Sampled:	09/17/08 10:15
Lab Sample ID:	**0809359-01RE1**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**50**	1.0
74-85-1	Ethylene	<2.0	2.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNRIR-091708-PR**	Sampled:	09/17/08 10:25
Lab Sample ID:	**0809359-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**50**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNRIR-091708-PR**	Sampled:	09/17/08 10:25
Lab Sample ID:	**0809359-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNRIR-091708-PR**	Sampled:	09/17/08 10:25
Lab Sample ID:	**0809359-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	109	*75-128*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	96	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNRIR-091708-PR**	Sampled:	09/17/08 10:25
Lab Sample ID:	**0809359-02**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**1.0**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.23**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.5**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNRIR-091708-PR**	Sampled:	09/17/08 10:25
Lab Sample ID:	**0809359-02RE1**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**50**	1.0
74-85-1	Ethylene	<2.0	2.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RWID-091708-PR**	Sampled:	09/17/08 11:45
Lab Sample ID:	**0809359-03**	Sampled By:	
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**93**	0.50
74-85-1	Ethylene	**1.1**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RWID-091708-PR**	Sampled:	09/17/08 11:45
Lab Sample ID:	**0809359-03**	Sampled By:	
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	**1.5**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
* 75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**71**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**28**	1.0
78-93-3	2-Butanone (MEK)	<25	25
67-66-3	Chloroform	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
71-43-2	Benzene	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RWID-091708-PR**	Sampled:	09/17/08 11:45
Lab Sample ID:	**0809359-03**	Sampled By:	
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RWID-091708-PR**	Sampled:	09/17/08 11:45
Lab Sample ID:	**0809359-03**	Sampled By:	
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**3.9**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.070**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RWID-091708-PR**	Sampled:	09/17/08 11:45
Lab Sample ID:	**0809359-03RE1**	Sampled By:	
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	4	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<4.0	4.0
74-82-8	Methane	**100**	2.0
74-85-1	Ethylene	<4.0	4.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW102D-091708-PR**	Sampled:	09/17/08 12:50
Lab Sample ID:	**0809359-04**	Sampled By:	Phillip Riley
Matrix:	*Water*	*Received:*	*09/18/08 09:30*
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**140**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW102D-091708-PR**	Sampled:	09/17/08 12:50
Lab Sample ID:	**0809359-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW102D-091708-PR**	Sampled:	09/17/08 12:50
Lab Sample ID:	**0809359-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	110	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW102D-091708-PR**	Sampled:	09/17/08 12:50
Lab Sample ID:	**0809359-04**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Alkalinity, Total	**210**	2.0	mg/L	1	USEPA-310.1	09/19/08	CLD	0810844
Chloride	**2.6**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW102D-091708-PR**	Sampled:	09/17/08 12:50
Lab Sample ID:	**0809359-04RE1**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	4	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<4.0	4.0
74-82-8	Methane	**130**	2.0
74-85-1	Ethylene	<4.0	4.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB2-091708-PR**	Sampled:	09/17/08 12:25
Lab Sample ID:	**0809359-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB2-091708-PR**	Sampled:	09/17/08 12:25
Lab Sample ID:	**0809359-05**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	106	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR4-091708-PR**	Sampled:	09/17/08 14:20
Lab Sample ID:	**0809359-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**3.2**	0.50
74-85-1	Ethylene	<1.0	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR4-091708-PR**	Sampled:	09/17/08 14:20
Lab Sample ID:	**0809359-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR4-091708-PR**	Sampled:	09/17/08 14:20
Lab Sample ID:	**0809359-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR4-091708-PR**	Sampled:	09/17/08 14:20
Lab Sample ID:	**0809359-06**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**2.0**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	**13**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RW5S-091708-JY**	Sampled:	09/17/08 10:50
Lab Sample ID:	**0809359-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	<0.50	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RW5S-091708-JY**	Sampled:	09/17/08 10:50
Lab Sample ID:	**0809359-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RW5S-091708-JY**	Sampled:	09/17/08 10:50
Lab Sample ID:	**0809359-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	**4.2**	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	100	*87-113*
4-Bromofluorobenzene	98	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**RW5S-091708-JY**	Sampled:	09/17/08 10:50
Lab Sample ID:	**0809359-08**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**4.1**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
*Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	**26**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW3I-091708-JY**	Sampled:	09/17/08 12:10
Lab Sample ID:	**0809359-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**8.8**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW3I-091708-JY**	Sampled:	09/17/08 12:10
Lab Sample ID:	**0809359-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
74-87-3	Chloromethane	<1.0	1.0
75-01-4	Vinyl Chloride	**22**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	<1.0	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
67-64-1	Acetone	<25	25
* 75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**2.3**	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**1.4**	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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW3I-091708-JY**	Sampled:	09/17/08 12:10
Lab Sample ID:	**0809359-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	107	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW3I-091708-JY**	Sampled:	09/17/08 12:10
Lab Sample ID:	**0809359-09**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**2.7**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.090**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	**18**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR7-091708-JY**	Sampled:	09/17/08 13:20
Lab Sample ID:	**0809359-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**53**	0.50
74-85-1	Ethylene	**14**	1.0

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR7-091708-JY**	Sampled:	09/17/08 13:20
Lab Sample ID:	**0809359-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	**87**	1.0
74-83-9	Bromomethane	<1.0	1.0
75-00-3	Chloroethane	**9.1**	1.0
74-97-5	Bromochloromethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.0**	1.0
67-64-1	Acetone	<25	25
* 75-15-0	Carbon Disulfide	<5.0	5.0
75-09-2	Methylene Chloride	<5.0	5.0
156-60-5	trans-1,2-Dichloroethene	**34**	1.0
75-34-3	1,1-Dichloroethane	**11**	1.0
156-59-2	cis-1,2-Dichloroethene	**180**	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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR7-091708-JY**	Sampled:	09/17/08 13:20
Lab Sample ID:	**0809359-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	104	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	97	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR7-091708-JY**	Sampled:	09/17/08 13:20
Lab Sample ID:	**0809359-10**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**7.0**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.052**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	**13**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**DNR7-091708-JY**	Sampled:	09/17/08 13:20
Lab Sample ID:	**0809359-10RE1**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	2	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**50**	1.0
74-85-1	Ethylene	**14**	2.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB3-091708-JY**	Sampled:	09/17/08 12:30
Lab Sample ID:	**0809359-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**EB3-091708-JY**	Sampled:	09/17/08 12:30
Lab Sample ID:	**0809359-11**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/24/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092427

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	108	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW103S-091708-JY**	Sampled:	09/17/08 15:35
Lab Sample ID:	**0809359-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/23/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/23/08 By: JLB
QC Batch:	0810985	Analytical Batch:	8092383

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	**8.4**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW103S-091708-JY**	Sampled:	09/17/08 15:35
Lab Sample ID:	**0809359-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/25/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092556

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	**2.0**	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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW103S-091708-JY**	Sampled:	09/17/08 15:35
Lab Sample ID:	**0809359-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/25/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092556

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**MW103S-091708-JY**	Sampled:	09/17/08 15:35
Lab Sample ID:	**0809359-12**	Sampled By:	Phillip Riley
Matrix:	Water	Received:	09/18/08 09:30

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	09/19/08	CLD	0810844
Chloride	**4.4**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.16**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810877
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/18/08	HLB	0810880
Sulfate	**16**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811162

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM2026**	Sampled:	09/17/08 00:00
Lab Sample ID:	**0809359-13**	Sampled By:	TML
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/25/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092556

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/AECOM - Livonia**	Work Order:	**0809359**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM2026**	Sampled:	09/17/08 00:00
Lab Sample ID:	**0809359-13**	Sampled By:	TML
Matrix:	Water	Received:	09/18/08 09:30
Unit:	ug/L	Prepared:	09/24/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/25/08 By: DLV
QC Batch:	0811062	Analytical Batch:	8092556

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	106	*75-128*
Toluene-d8	101	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25D-091808-JY**	Sampled:	09/18/08 09:15
Lab Sample ID:	**0809399-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**2.7**	0.50
74-85-1	Ethylene	**2.3**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25D-091808-JY**	Sampled:	09/18/08 09:15
Lab Sample ID:	**0809399-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25D-091808-JY**	Sampled:	09/18/08 09:15
Lab Sample ID:	**0809399-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	103	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	94	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25D-091808-JY**	Sampled:	09/18/08 09:15
Lab Sample ID:	**0809399-01**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**4.2**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.062**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
*Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25I-091808-PR**	Sampled:	09/18/08 09:25
Lab Sample ID:	**0809399-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**5.0**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25I-091808-PR**	Sampled:	09/18/08 09:25
Lab Sample ID:	**0809399-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25I-091808-PR**	Sampled:	09/18/08 09:25
Lab Sample ID:	**0809399-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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	96	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW25I-091808-PR**	Sampled:	09/18/08 09:25
Lab Sample ID:	**0809399-02**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**4.8**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
*Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**13**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB3-091808-PR**	Sampled:	09/18/08 10:24
Lab Sample ID:	**0809399-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**FB3-091808-PR**	Sampled:	09/18/08 10:24
Lab Sample ID:	**0809399-03**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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	104	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24D-091808-PR**	Sampled:	09/18/08 10:40
Lab Sample ID:	**0809399-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**1.4**	0.50
74-85-1	Ethylene	**2.0**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24D-091808-PR**	Sampled:	09/18/08 10:40
Lab Sample ID:	**0809399-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24D-091808-PR**	Sampled:	09/18/08 10:40
Lab Sample ID:	**0809399-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24D-091808-PR**	Sampled:	09/18/08 10:40
Lab Sample ID:	**0809399-04**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**4.0**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.056**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
*Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**20**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

*See Statement of Data Qualifications

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24I-091808-JY**	Sampled:	09/18/08 10:45
Lab Sample ID:	**0809399-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	<0.50	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24I-091808-JY**	Sampled:	09/18/08 10:45
Lab Sample ID:	**0809399-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24I-091808-JY**	Sampled:	09/18/08 10:45
Lab Sample ID:	**0809399-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW24I-091808-JY**	Sampled:	09/18/08 10:45
Lab Sample ID:	**0809399-05**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**2.3**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	**0.12**	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**9.7**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.3**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22I-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**2.2**	0.50
74-85-1	Ethylene	**1.8**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22I-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22I-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	104	*75-128*
Toluene-d8	98	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22I-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-06**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.9**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**18**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.0**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22D-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**6.3**	0.50
74-85-1	Ethylene	**3.6**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22D-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22D-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	98	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22D-091808-JY**	Sampled:	09/18/08 12:10
Lab Sample ID:	**0809399-07**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**3.0**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**10**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM1862**	Sampled:	09/18/08 00:00
Lab Sample ID:	**0809399-08**	Sampled By:	TML
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**Trip Blank TM1862**	Sampled:	09/18/08 00:00
Lab Sample ID:	**0809399-08**	Sampled By:	TML
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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	102	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW4D-091808-PR**	Sampled:	09/18/08 16:45
Lab Sample ID:	**0809399-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**11**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW4D-091808-PR**	Sampled:	09/18/08 16:45
Lab Sample ID:	**0809399-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW4D-091808-PR**	Sampled:	09/18/08 16:45
Lab Sample ID:	**0809399-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	94	*70-121*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW4D-091808-PR**	Sampled:	09/18/08 16:45
Lab Sample ID:	**0809399-09**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.9**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**15**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22S-091808-JY**	Sampled:	09/18/08 13:20
Lab Sample ID:	**0809399-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<1.0	1.0
74-82-8	Methane	**20**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22S-091808-JY**	Sampled:	09/18/08 13:20
Lab Sample ID:	**0809399-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22S-091808-JY**	Sampled:	09/18/08 13:20
Lab Sample ID:	**0809399-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0811176	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	99	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW22S-091808-JY**	Sampled:	09/18/08 13:20
Lab Sample ID:	**0809399-10**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.9**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**14**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23D-091808-PR**	Sampled:	09/18/08 13:25
Lab Sample ID:	**0809399-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**22**	0.50
74-85-1	Ethylene	**3.8**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23D-091808-PR**	Sampled:	09/18/08 13:25
Lab Sample ID:	**0809399-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23D-091808-PR**	Sampled:	09/18/08 13:25
Lab Sample ID:	**0809399-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	94	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23D-091808-PR**	Sampled:	09/18/08 13:25
Lab Sample ID:	**0809399-11**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**2.2**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.13**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**5.5**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	<1.0	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23S-091808-PR**	Sampled:	09/18/08 14:20
Lab Sample ID:	**0809399-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23S-091808-PR**	Sampled:	09/18/08 14:20
Lab Sample ID:	**0809399-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23S-091808-PR**	Sampled:	09/18/08 14:20
Lab Sample ID:	**0809399-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	103	*79-124*
1,2-Dichloroethane-d4	105	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23S-091808-PR**	Sampled:	09/18/08 14:20
Lab Sample ID:	**0809399-12**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**3.8**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**22**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.4**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23SR-091808-PR**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23SR-091808-PR**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23SR-091808-PR**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23SR-091808-PR**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-13**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**3.7**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.11**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**23**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23I-091808-JY**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**2.8**	0.50
74-85-1	Ethylene	**1.8**	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23I-091808-JY**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23I-091808-JY**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW23I-091808-JY**	Sampled:	09/18/08 14:25
Lab Sample ID:	**0809399-14**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**5.4**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	<0.050	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**23**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.1**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26I-091808-PR**	Sampled:	09/18/08 15:30
Lab Sample ID:	**0809399-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**5.4**	0.50
74-85-1	Ethylene	<1.0	1.0

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26I-091808-PR**	Sampled:	09/18/08 15:30
Lab Sample ID:	**0809399-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26I-091808-PR**	Sampled:	09/18/08 15:30
Lab Sample ID:	**0809399-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	***% Recovery***	***Control Limits***
Dibromofluoromethane	100	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	96	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26I-091808-PR**	Sampled:	09/18/08 15:30
Lab Sample ID:	**0809399-15**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.7**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.12**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	**13**	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.2**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	***0809399***
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26D-091808-JY**	Sampled:	09/18/08 15:35
Lab Sample ID:	**0809399-16**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**510**	0.50
74-85-1	Ethylene	**3.2**	1.0

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26D-091808-JY**	Sampled:	09/18/08 15:35
Lab Sample ID:	**0809399-16**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26D-091808-JY**	Sampled:	09/18/08 15:35
Lab Sample ID:	**0809399-16**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	102	*79-124*
1,2-Dichloroethane-d4	106	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	95	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26D-091808-JY**	Sampled:	09/18/08 15:35
Lab Sample ID:	**0809399-16**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.8**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.8**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26D-091808-JY**	Sampled:	09/18/08 15:35
Lab Sample ID:	**0809399-16RE1**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	10	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<10	10
74-82-8	Methane	**420**	5.0
74-85-1	Ethylene	<10	10

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26DR-091808-JY**	Sampled:	09/18/08 15:40
Lab Sample ID:	**0809399-17**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	1	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

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	**400**	0.50
74-85-1	Ethylene	**2.8**	1.0

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26DR-091808-JY**	Sampled:	09/18/08 15:40
Lab Sample ID:	**0809399-17**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

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/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26DR-091808-JY**	Sampled:	09/18/08 15:40
Lab Sample ID:	**0809399-17**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/26/08 By: DLV
Dilution Factor:	1	Date Analyzed:	09/27/08 By: DLV
QC Batch:	0810994	Analytical Batch:	8092949

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
108-90-7	Chlorobenzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
109-99-9	Tetrahydrofuran	<10	10
100-42-5	Styrene	<1.0	1.0
75-25-2	Bromoform	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
87-61-6	1,2,3-Trichlorobenzene	<1.0	1.0

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	101	*79-124*
1,2-Dichloroethane-d4	108	*75-128*
Toluene-d8	97	*87-113*
4-Bromofluorobenzene	96	*70-121*

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26DR-091808-JY**	Sampled:	09/18/08 15:40
Lab Sample ID:	**0809399-17**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30

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	09/22/08	CLD	0810906
Chloride	**1.8**	1.0	mg/L	1	USEPA-325.2	09/24/08	GEH	0811096
Nitrogen, Ammonia	**0.14**	0.050	mg/L	1	USEPA-350.1	09/22/08	GEH	0810954
Nitrogen, Nitrite	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810901
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	USEPA-353.2	09/20/08	HLB	0810900
Sulfate	<5.0	5.0	mg/L	1	USEPA-375.4	09/24/08	GEH	0811093
Carbon, Total Organic	**1.7**	1.0	mg/L	1	USEPA-415.1	09/25/08	LMA	0811164

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ANALYTICAL REPORT

Client:	**EARTH TECH/AECOM - Livonia**	Work Order:	**0809399**
Project:	Rose Township Groundwater Monitoring	Description:	Semi-Annual
Client Sample ID:	**GW26DR-091808-JY**	Sampled:	09/18/08 15:40
Lab Sample ID:	**0809399-17RE1**	Sampled By:	J.Y.
Matrix:	Water	Received:	09/19/08 09:30
Unit:	ug/L	Prepared:	09/25/08 By: JLB
Dilution Factor:	10	Date Analyzed:	09/25/08 By: JLB
QC Batch:	0811132	Analytical Batch:	8092621

Dissolved Gases in Water by RSK-175 Headspace Analysis

CAS Number	Analyte	Analytical Result	RL
74-84-0	Ethane	<10	10
74-82-8	Methane	**350**	5.0
74-85-1	Ethylene	<10	10

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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: 0810829 Direct Injection/RSK-175								
Method Blank						Analyzed:		09/18/2008 By: JLB
Unit: ug/L						Analytical Batch:		8091853
Ethane			<1.0					1.0
Methane			<0.50					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		09/18/2008 By: JLB
Unit: ug/L						Analytical Batch:		8091853
Ethane		19.1	**19.1**	100	76-125			1.0
Methane		9.42	**8.96**	95	74-126			0.50
Ethylene		26.4	**26.6**	101	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		09/18/2008 By: JLB
Unit: ug/L						Analytical Batch:		8091853
Ethane		19.1	**19.2**	101	76-125	0.7	20	1.0
Methane		9.42	**9.06**	96	74-126	1	20	0.50
Ethylene		26.4	**26.7**	101	79-121	0.4	20	1.0
Duplicate 0809296-09 GW21D-091508-PRJY						Analyzed:		09/18/2008 By: JLB
Unit: ug/L						Analytical Batch:		8091853
Ethane	<1.0		<1.0				20	1.0
Methane	16.3		**16.8**			3	20	0.50
Ethylene	<1.0		<1.0				20	1.0
QC Batch: 0810985 Direct Injection/RSK-175								
Method Blank						Analyzed:		09/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092383
Ethane			<1.0					1.0
Methane			<0.50					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		09/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092383
Ethane		19.1	**20.2**	106	76-125			1.0
Methane		9.42	**9.53**	101	74-126			0.50
Ethylene		26.4	**28.1**	107	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		09/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092383
Ethane		19.1	**19.9**	104	76-125	2	20	1.0
Methane		9.42	**9.31**	99	74-126	2	20	0.50

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QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0810985 (Continued) Direct Injection/RSK-175								
Laboratory Control Sample Duplicate (Continued)						Analyzed:		09/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092383
Ethylene		26.4	**27.6**	105	79-121	2	20	1.0
Duplicate 0809359-08 RW5S-091708-JY						Analyzed:		09/23/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092383
Ethane	<1.0		<1.0				20	1.0
Methane	<0.50		<0.50				20	0.50
Ethylene	<1.0		<1.0				20	1.0
QC Batch: 0811132 Direct Injection/RSK-175								
Method Blank						Analyzed:		09/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092621
Ethane			<1.0					1.0
Methane			<0.50					0.50
Ethylene			<1.0					1.0
Laboratory Control Sample						Analyzed:		09/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092621
Ethane		19.1	**21.0**	110	76-125			1.0
Methane		9.42	**10.2**	108	74-126			0.50
Ethylene		26.4	**29.2**	111	79-121			1.0
Laboratory Control Sample Duplicate						Analyzed:		09/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092621
Ethane		19.1	**20.8**	109	76-125	1	20	1.0
Methane		9.42	**9.98**	106	74-126	2	20	0.50
Ethylene		26.4	**28.9**	109	79-121	1	20	1.0
Duplicate 0809399-01 GW25D-091808-JY						Analyzed:		09/25/2008 By: JLB
Unit: ug/L						Analytical Batch:		8092621
Ethane	<1.0		<1.0				20	1.0
Methane	2.70		**2.66**			1	20	0.50
Ethylene	2.32		**2.35**			1	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: 0810994 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 09/27/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

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: 0810994 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/27/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				100	*88-115*			
1,2-Dichloroethane-d4				102	*81-116*			
Toluene-d8				95	*87-113*			
4-Bromofluorobenzene				96	*78-116*			

Laboratory Control Sample Analyzed: 09/26/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

Chloromethane		40.0	**38.8**	97	68-130			1.0
Vinyl Chloride		40.0	**39.4**	98	73-130			1.0
Bromomethane		40.0	**41.0**	103	56-140			1.0
Chloroethane		40.0	**38.9**	97	71-130			1.0
1,1-Dichloroethene		40.0	**38.6**	97	81-125			1.0
Acetone		40.0	**39.6**	99	52-134			5.0
Carbon Disulfide		40.0	**49.6**	124	74-133			5.0
Methylene Chloride		40.0	**38.5**	96	74-135			1.0
trans-1,2-Dichloroethene		40.0	**39.0**	97	85-121			1.0
1,1-Dichloroethane		40.0	**38.9**	97	80-122			1.0
cis-1,2-Dichloroethene		40.0	**39.7**	99	84-121			1.0
2-Butanone (MEK)		40.0	**37.8**	95	60-134			5.0
Chloroform		40.0	**40.2**	100	86-120			1.0
1,1,1-Trichloroethane		40.0	**38.5**	96	81-123			1.0
Carbon Tetrachloride		40.0	**42.3**	106	80-126			1.0
Benzene		40.0	**39.0**	97	86-120			1.0
1,2-Dichloroethane		40.0	**41.7**	104	78-121			1.0
Trichloroethene		40.0	**39.5**	99	80-122			1.0
1,2-Dichloropropane		40.0	**38.9**	97	77-125			1.0
Bromodichloromethane		40.0	**41.5**	104	81-126			1.0
cis-1,3-Dichloropropene		40.0	**37.5**	94	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**32.7**	82	57-134			5.0
Toluene		40.0	**39.4**	98	87-123			1.0
trans-1,3-Dichloropropene		40.0	**36.3**	91	70-125			1.0
1,1,2-Trichloroethane		40.0	**40.6**	102	86-123			1.0
Tetrachloroethene		40.0	**40.0**	100	85-115			1.0
2-Hexanone		40.0	**33.3**	83	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: 0810994 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/26/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092949	
Dibromochloromethane		40.0	**42.4**	106	77-114		1.0	
Chlorobenzene		40.0	**39.8**	99	88-114		1.0	
Ethylbenzene		40.0	**40.1**	100	86-116		1.0	
Xylene (Total)		120	**118**	99	88-115		3.0	
Tetrahydrofuran		40.0	**37.2**	93	60-122		10	
Styrene		40.0	**40.0**	100	81-115		1.0	
Bromoform		40.0	**43.7**	109	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**40.5**	101	81-127		1.0	
Surrogates								
Dibromofluoromethane				100	*88-115*			
1,2-Dichloroethane-d4				102	*81-116*			
Toluene-d8				99	*87-113*			
4-Bromofluorobenzene				98	*78-116*			
QC Batch: 0811006 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank						Analyzed:	09/22/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092351	
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	

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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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092351

1,2-Dichloropropane			<1.0					1.0
Bromodichloromethane			<1.0					1.0
cis-1,3-Dichloropropene			<1.0					1.0
4-Methyl-2-pentanone (MIBK)			<5.0					5.0
Toluene			<1.0					1.0
trans-1,3-Dichloropropene			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				110	*81-116*			
Toluene-d8				99	*87-113*			
4-Bromofluorobenzene				98	*78-116*			

Method Blank Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092352

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			<5.0					5.0
trans-1,2-Dichloroethene			<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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092352

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
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				102	*88-115*			
1,2-Dichloroethane-d4				107	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				96	*78-116*			

Laboratory Control Sample Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092351

Chloromethane		40.0	**41.5**	104	68-130			1.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092351

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Vinyl Chloride		40.0	**42.6**	106	73-130			1.0
Bromomethane		40.0	**42.6**	107	56-140			1.0
Chloroethane		40.0	**41.1**	103	71-130			1.0
1,1-Dichloroethene		40.0	**41.6**	104	81-125			1.0
Acetone		40.0	**40.3**	101	52-134			5.0
Carbon Disulfide		40.0	**53.3**	133	74-133			5.0
Methylene Chloride		40.0	**45.9**	115	74-135			1.0
trans-1,2-Dichloroethene		40.0	**43.1**	108	85-121			1.0
1,1-Dichloroethane		40.0	**43.5**	109	80-122			1.0
cis-1,2-Dichloroethene		40.0	**43.2**	108	84-121			1.0
2-Butanone (MEK)		40.0	**43.1**	108	60-134			5.0
Chloroform		40.0	**44.7**	112	86-120			1.0
1,1,1-Trichloroethane		40.0	**43.4**	108	81-123			1.0
Carbon Tetrachloride		40.0	**46.8**	117	80-126			1.0
Benzene		40.0	**43.0**	108	86-120			1.0
1,2-Dichloroethane		40.0	**47.4**	118	78-121			1.0
Trichloroethene		40.0	**41.6**	104	80-122			1.0
1,2-Dichloropropane		40.0	**43.6**	109	77-125			1.0
Bromodichloromethane		40.0	**46.2**	116	81-126			1.0
cis-1,3-Dichloropropene		40.0	**42.7**	107	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**37.6**	94	57-134			5.0
Toluene		40.0	**43.2**	108	87-123			1.0
trans-1,3-Dichloropropene		40.0	**42.5**	106	70-125			1.0
1,1,2-Trichloroethane		40.0	**44.8**	112	86-123			1.0
Tetrachloroethene		40.0	**41.3**	103	85-115			1.0
2-Hexanone		40.0	**37.2**	93	53-137			5.0
Dibromochloromethane		40.0	**45.4**	114	77-114			1.0
Chlorobenzene		40.0	**42.2**	106	88-114			1.0
Ethylbenzene		40.0	**43.1**	108	86-116			1.0
Xylene (Total)		120	**126**	105	88-115			3.0
Tetrahydrofuran		40.0	**39.3**	98	60-122			10
Styrene		40.0	**42.4**	106	81-115			1.0
Bromoform		40.0	**45.6**	114	70-126			1.0
1,1,2,2-Tetrachloroethane		40.0	**44.6**	111	81-127			1.0
Surrogates								
Dibromofluoromethane				*104*	*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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092351

Surrogates (Continued)								
1,2-Dichloroethane-d4				105	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				101	*78-116*			

Laboratory Control Sample Analyzed: 09/22/2008 By: DLV
Unit: ug/L Analytical Batch: 8092352

Chloromethane	40.0	**41.7**	104	68-130			1.0
Vinyl Chloride	40.0	**42.3**	106	73-130			1.0
Bromomethane	40.0	**45.0**	112	56-140			1.0
Chloroethane	40.0	**41.8**	105	71-130			1.0
1,1-Dichloroethene	40.0	**42.8**	107	81-125			1.0
Acetone	40.0	**61.7**	**154**	52-134			5.0
Carbon Disulfide	40.0	**84.7**	**212**	74-133			5.0
Methylene Chloride	40.0	**48.7**	122	74-135			1.0
trans-1,2-Dichloroethene	40.0	**42.8**	107	85-121			1.0
1,1-Dichloroethane	40.0	**43.2**	108	80-122			1.0
cis-1,2-Dichloroethene	40.0	**45.9**	115	84-121			1.0
2-Butanone (MEK)	40.0	**64.0**	**160**	60-134			5.0
Chloroform	40.0	**44.9**	112	86-120			1.0
1,1,1-Trichloroethane	40.0	**42.8**	107	81-123			1.0
Carbon Tetrachloride	40.0	**45.4**	113	80-126			1.0
Benzene	40.0	**43.2**	108	86-120			1.0
1,2-Dichloroethane	40.0	**46.6**	116	78-121			1.0
Trichloroethene	40.0	**43.3**	108	80-122			1.0
1,2-Dichloropropane	40.0	**43.3**	108	77-125			1.0
Bromodichloromethane	40.0	**45.0**	113	81-126			1.0
cis-1,3-Dichloropropene	40.0	**40.6**	102	78-119			1.0
4-Methyl-2-pentanone (MIBK)	40.0	**58.1**	**145**	57-134			5.0
Toluene	40.0	**43.8**	110	87-123			1.0
trans-1,3-Dichloropropene	40.0	**39.2**	98	70-125			1.0
1,1,2-Trichloroethane	40.0	**44.1**	110	86-123			1.0
Tetrachloroethene	40.0	**41.4**	104	85-115			1.0
2-Hexanone	40.0	**56.7**	**142**	53-137			5.0
Dibromochloromethane	40.0	**42.5**	106	77-114			1.0
Chlorobenzene	40.0	**42.0**	105	88-114			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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/22/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092352	
Ethylbenzene		40.0	**42.8**	107	86-116		1.0	
Xylene (Total)		120	**124**	103	88-115		3.0	
Tetrahydrofuran		40.0	**37.3**	93	60-122		10	
Styrene		40.0	**42.1**	105	81-115		1.0	
Bromoform		40.0	**41.9**	105	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**42.6**	107	81-127		1.0	
Surrogates								
Dibromofluoromethane				103	*88-115*			
1,2-Dichloroethane-d4				105	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				99	*78-116*			
Matrix Spike 0809296-09 GW21D-091508-PRJY						Analyzed:	09/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092352	
Chloromethane	<1.0	40.0	**42.0**	105	66-132		1.0	
Vinyl Chloride	<1.0	40.0	**43.7**	109	71-136		1.0	
Bromomethane	<1.0	40.0	**35.0**	87	52-127		1.0	
Chloroethane	<1.0	40.0	**44.2**	111	77-141		1.0	
1,1-Dichloroethene	<1.0	40.0	**45.3**	113	85-130		1.0	
Acetone	<5.0	40.0	**49.3**	123	54-146		5.0	
Carbon Disulfide	<5.0	40.0	**71.1**	**178**	68-145		5.0	
Methylene Chloride	<1.0	40.0	**45.0**	112	87-119		1.0	
trans-1,2-Dichloroethene	<1.0	40.0	**44.2**	110	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**44.3**	111	82-125		1.0	
cis-1,2-Dichloroethene	<1.0	40.0	**46.5**	116	84-127		1.0	
2-Butanone (MEK)	<5.0	40.0	**44.8**	112	62-140		5.0	
Chloroform	<1.0	40.0	**46.2**	116	87-123		1.0	
1,1,1-Trichloroethane	<1.0	40.0	**43.5**	109	82-126		1.0	
Carbon Tetrachloride	<1.0	40.0	**43.1**	108	83-126		1.0	
Benzene	<1.0	40.0	**44.9**	112	84-127		1.0	
1,2-Dichloroethane	<1.0	40.0	**49.1**	**123**	79-120		1.0	
Trichloroethene	<1.0	40.0	**43.2**	108	81-124		1.0	
1,2-Dichloropropane	<1.0	40.0	**44.1**	110	81-125		1.0	
Bromodichloromethane	<1.0	40.0	**46.0**	115	77-130		1.0	
cis-1,3-Dichloropropene	<1.0	40.0	**39.0**	97	68-122		1.0	
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**39.2**	98	55-139		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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike (Continued) 0809296-09 GW21D-091508-PRJY						Analyzed:	09/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092352	
Toluene	<1.0	40.0	**44.9**	112	88-125		1.0	
trans-1,3-Dichloropropene	<1.0	40.0	**38.6**	96	72-121		1.0	
1,1,2-Trichloroethane	<1.0	40.0	**46.2**	116	84-122		1.0	
Tetrachloroethene	<1.0	40.0	**43.8**	110	83-117		1.0	
2-Hexanone	<5.0	40.0	**37.4**	94	46-142		5.0	
Dibromochloromethane	<1.0	40.0	**42.4**	106	83-110		1.0	
Chlorobenzene	<1.0	40.0	**42.5**	106	89-115		1.0	
Ethylbenzene	<1.0	40.0	**43.1**	108	87-118		1.0	
Xylene (Total)	<3.0	120	**125**	104	88-115		3.0	
Tetrahydrofuran	<10	40.0	**39.0**	98	70-119		10	
Styrene	<1.0	40.0	**41.8**	104	84-114		1.0	
Bromoform	<1.0	40.0	**40.9**	102	70-123		1.0	
1,1,2,2-Tetrachloroethane	<1.0	40.0	**44.5**	111	82-123		1.0	
Surrogates								
Dibromofluoromethane				103	*88-115*			
1,2-Dichloroethane-d4				106	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				100	*78-116*			
Matrix Spike Duplicate 0809296-09 GW21D-091508-PRJY						Analyzed:	09/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092352	
Chloromethane	<1.0	40.0	**41.5**	104	66-132	1	13	1.0
Vinyl Chloride	<1.0	40.0	**42.7**	107	71-136	2	10	1.0
Bromomethane	<1.0	40.0	**37.9**	95	52-127	8	18	1.0
Chloroethane	<1.0	40.0	**42.7**	107	77-141	3	13	1.0
1,1-Dichloroethene	<1.0	40.0	**44.1**	110	85-130	3	10	1.0
Acetone	<5.0	40.0	**48.4**	121	54-146	2	27	5.0
Carbon Disulfide	<5.0	40.0	**71.4**	**178**	68-145	0.4	16	5.0
Methylene Chloride	<1.0	40.0	**44.8**	112	87-119	0.3	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**43.6**	109	87-125	1	9	1.0
1,1-Dichloroethane	<1.0	40.0	**44.5**	111	82-125	0.3	10	1.0
cis-1,2-Dichloroethene	<1.0	40.0	**45.0**	113	84-127	3	9	1.0
2-Butanone (MEK)	<5.0	40.0	**44.2**	110	62-140	1	20	5.0
Chloroform	<1.0	40.0	**46.1**	115	87-123	0.3	8	1.0
1,1,1-Trichloroethane	<1.0	40.0	**43.4**	108	82-126	0.1	9	1.0
Carbon Tetrachloride	<1.0	40.0	**43.2**	108	83-126	0.2	10	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: 0811006 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 0809296-09 GW21D-091508-PRJY					Analyzed:		09/23/2008	By: DLV
Unit: ug/L					Analytical Batch:		8092352	
Benzene	<1.0	40.0	**44.3**	111	84-127	1	8	1.0
1,2-Dichloroethane	<1.0	40.0	**48.4**	**121**	79-120	1	8	1.0
Trichloroethene	<1.0	40.0	**42.3**	106	81-124	2	8	1.0
1,2-Dichloropropane	<1.0	40.0	**43.6**	109	81-125	0.9	10	1.0
Bromodichloromethane	<1.0	40.0	**46.2**	116	77-130	0.5	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**39.3**	98	68-122	1	9	1.0
4-Methyl-2-pentanone (MIBK)	<5.0	40.0	**38.8**	97	55-139	1	9	5.0
Toluene	<1.0	40.0	**44.2**	111	88-125	2	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**38.7**	97	72-121	0.3	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**45.8**	114	84-122	1	10	1.0
Tetrachloroethene	<1.0	40.0	**42.3**	106	83-117	4	8	1.0
2-Hexanone	<5.0	40.0	**37.0**	93	46-142	1	10	5.0
Dibromochloromethane	<1.0	40.0	**42.9**	107	83-110	1	9	1.0
Chlorobenzene	<1.0	40.0	**42.0**	105	89-115	1	8	1.0
Ethylbenzene	<1.0	40.0	**42.6**	107	87-118	1	7	1.0
Xylene (Total)	<3.0	120	**123**	103	88-115	1	7	3.0
Tetrahydrofuran	<10	40.0	**40.5**	101	70-119	4	14	10
Styrene	<1.0	40.0	**41.6**	104	84-114	0.3	8	1.0
Bromoform	<1.0	40.0	**41.8**	105	70-123	2	10	1.0
1,1,2,2-Tetrachloroethane	<1.0	40.0	**44.2**	111	82-123	0.6	9	1.0
Surrogates								
Dibromofluoromethane				104	*88-115*			
1,2-Dichloroethane-d4				107	*81-116*			
Toluene-d8				103	*87-113*			
4-Bromofluorobenzene				100	*78-116*			

QC Batch: 0811017 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank		Analyzed:	09/23/2008	By: DLV
Unit: ug/L		Analytical Batch:	8092382	
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	

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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: 0811017 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092382

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
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				104	*88-115*			
1,2-Dichloroethane-d4				108	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				98	*78-116*			

Laboratory Control Sample Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092382

Chloromethane		40.0	**41.4**	104	68-130			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: 0811017 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092382	
Vinyl Chloride		40.0	**42.9**	107	73-130		1.0	
Bromomethane		40.0	**39.3**	98	56-140		1.0	
Chloroethane		40.0	**42.9**	107	71-130		1.0	
1,1-Dichloroethene		40.0	**43.6**	109	81-125		1.0	
Acetone		40.0	**42.8**	107	52-134		5.0	
Carbon Disulfide		40.0	**57.6**	**144**	74-133		5.0	
Methylene Chloride		40.0	**45.3**	113	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**43.3**	108	85-121		1.0	
1,1-Dichloroethane		40.0	**43.7**	109	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**43.6**	109	84-121		1.0	
2-Butanone (MEK)		40.0	**45.8**	114	60-134		5.0	
Chloroform		40.0	**45.0**	112	86-120		1.0	
1,1,1-Trichloroethane		40.0	**42.8**	107	81-123		1.0	
Carbon Tetrachloride		40.0	**44.9**	112	80-126		1.0	
Benzene		40.0	**43.4**	108	86-120		1.0	
1,2-Dichloroethane		40.0	**47.6**	119	78-121		1.0	
Trichloroethene		40.0	**42.2**	105	80-122		1.0	
1,2-Dichloropropane		40.0	**43.1**	108	77-125		1.0	
Bromodichloromethane		40.0	**45.9**	115	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**41.8**	104	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**39.6**	99	57-134		5.0	
Toluene		40.0	**43.8**	110	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**41.1**	103	70-125		1.0	
1,1,2-Trichloroethane		40.0	**45.6**	114	86-123		1.0	
Tetrachloroethene		40.0	**41.6**	104	85-115		1.0	
2-Hexanone		40.0	**38.3**	96	53-137		5.0	
Dibromochloromethane		40.0	**43.7**	109	77-114		1.0	
Chlorobenzene		40.0	**41.7**	104	88-114		1.0	
Ethylbenzene		40.0	**42.3**	106	86-116		1.0	
Xylene (Total)		120	**124**	103	88-115		3.0	
Tetrahydrofuran		40.0	**40.4**	101	60-122		10	
Styrene		40.0	**42.0**	105	81-115		1.0	
Bromoform		40.0	**43.8**	109	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**43.8**	110	81-127		1.0	
Surrogates								
Dibromofluoromethane				102	*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: 0811017 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092382

Surrogates (Continued)

1,2-Dichloroethane-d4	104	*81-116*
Toluene-d8	102	*87-113*
4-Bromofluorobenzene	102	*78-116*

QC Batch: 0811062 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092427

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	<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

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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: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092427

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				103	*88-115*			
1,2-Dichloroethane-d4				105	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				98	*78-116*			

Method Blank Analyzed: 09/24/2008 By: DLV
Unit: ug/L Analytical Batch: 8092556

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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/24/2008 By: DLV
Unit: ug/L Analytical Batch: 8092556

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
1,2-Dichloropropane			<1.0					1.0
Bromodichloromethane			<1.0					1.0
cis-1,3-Dichloropropene			<1.0					1.0
4-Methyl-2-pentanone (MIBK)			<5.0					5.0
Toluene			<1.0					1.0
trans-1,3-Dichloropropene			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Tetrachloroethene			<1.0					1.0
2-Hexanone			<5.0					5.0
Dibromochloromethane			<1.0					1.0
Chlorobenzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Xylene (Total)			<3.0					3.0
Tetrahydrofuran			<10					10
Styrene			<1.0					1.0
Bromoform			<1.0					1.0
1,1,2,2-Tetrachloroethane			<1.0					1.0
1,2,3-Trichlorobenzene			<1.0					1.0
Surrogates								
Dibromofluoromethane				104	*88-115*			
1,2-Dichloroethane-d4				108	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				98	*78-116*			

Laboratory Control Sample Analyzed: 09/23/2008 By: DLV
Unit: ug/L Analytical Batch: 8092427

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chloromethane		40.0	**39.3**	98	68-130			1.0
Vinyl Chloride		40.0	**40.9**	102	73-130			1.0
Bromomethane		40.0	**46.5**	116	56-140			1.0
Chloroethane		40.0	**42.0**	105	71-130			1.0
1,1-Dichloroethene		40.0	**42.4**	106	81-125			1.0
Acetone		40.0	**48.9**	122	52-134			5.0
Carbon Disulfide		40.0	**55.8**	**140**	74-133			5.0
Methylene Chloride		40.0	**42.9**	107	74-135			1.0
trans-1,2-Dichloroethene		40.0	**42.6**	107	85-121			1.0
1,1-Dichloroethane		40.0	**43.7**	109	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: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/23/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092427	
cis-1,2-Dichloroethene		40.0	**44.9**	112	84-121		1.0	
2-Butanone (MEK)		40.0	**43.4**	108	60-134		5.0	
Chloroform		40.0	**44.4**	111	86-120		1.0	
1,1,1-Trichloroethane		40.0	**42.6**	106	81-123		1.0	
Carbon Tetrachloride		40.0	**45.6**	114	80-126		1.0	
Benzene		40.0	**43.1**	108	86-120		1.0	
1,2-Dichloroethane		40.0	**47.0**	117	78-121		1.0	
Trichloroethene		40.0	**42.5**	106	80-122		1.0	
1,2-Dichloropropane		40.0	**43.3**	108	77-125		1.0	
Bromodichloromethane		40.0	**46.1**	115	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**41.8**	105	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**37.2**	93	57-134		5.0	
Toluene		40.0	**43.6**	109	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**40.2**	100	70-125		1.0	
1,1,2-Trichloroethane		40.0	**44.9**	112	86-123		1.0	
Tetrachloroethene		40.0	**39.8**	99	85-115		1.0	
2-Hexanone		40.0	**35.3**	88	53-137		5.0	
Dibromochloromethane		40.0	**43.2**	108	77-114		1.0	
Chlorobenzene		40.0	**41.2**	103	88-114		1.0	
Ethylbenzene		40.0	**41.6**	104	86-116		1.0	
Xylene (Total)		120	**121**	101	88-115		3.0	
Tetrahydrofuran		40.0	**39.0**	97	60-122		10	
Styrene		40.0	**41.2**	103	81-115		1.0	
Bromoform		40.0	**43.8**	109	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**42.1**	105	81-127		1.0	
Surrogates								
Dibromofluoromethane				103	*88-115*			
1,2-Dichloroethane-d4				103	*81-116*			
Toluene-d8				102	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
Laboratory Control Sample						Analyzed:	09/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092556	
Chloromethane		40.0	**43.5**	109	68-130		1.0	
Vinyl Chloride		40.0	**46.1**	115	73-130		1.0	
Bromomethane		40.0	**52.0**	130	56-140		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: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092556	
Chloroethane		40.0	**45.4**	113	71-130		1.0	
1,1-Dichloroethene		40.0	**46.3**	116	81-125		1.0	
Acetone		40.0	**44.9**	112	52-134		5.0	
Carbon Disulfide		40.0	**58.9**	**147**	74-133		5.0	
Methylene Chloride		40.0	**46.2**	115	74-135		1.0	
trans-1,2-Dichloroethene		40.0	**45.4**	113	85-121		1.0	
1,1-Dichloroethane		40.0	**46.1**	115	80-122		1.0	
cis-1,2-Dichloroethene		40.0	**46.3**	116	84-121		1.0	
2-Butanone (MEK)		40.0	**44.3**	111	60-134		5.0	
Chloroform		40.0	**46.3**	116	86-120		1.0	
1,1,1-Trichloroethane		40.0	**45.5**	114	81-123		1.0	
Carbon Tetrachloride		40.0	**50.0**	125	80-126		1.0	
Benzene		40.0	**45.6**	114	86-120		1.0	
1,2-Dichloroethane		40.0	**49.3**	**123**	78-121		1.0	
Trichloroethene		40.0	**44.8**	112	80-122		1.0	
1,2-Dichloropropane		*40.0*	**45.7**	*114*	*77-125*		*1.0*	
Bromodichloromethane		40.0	**48.1**	120	81-126		1.0	
cis-1,3-Dichloropropene		40.0	**42.8**	107	78-119		1.0	
4-Methyl-2-pentanone (MIBK)		40.0	**38.3**	96	57-134		5.0	
Toluene		40.0	**46.0**	115	87-123		1.0	
trans-1,3-Dichloropropene		40.0	**41.6**	104	70-125		1.0	
1,1,2-Trichloroethane		40.0	**47.5**	119	86-123		1.0	
Tetrachloroethene		40.0	**42.5**	106	85-115		1.0	
2-Hexanone		40.0	**35.0**	87	53-137		5.0	
Dibromochloromethane		40.0	**44.2**	111	77-114		1.0	
Chlorobenzene		40.0	**42.5**	106	88-114		1.0	
Ethylbenzene		40.0	**43.2**	108	86-116		1.0	
Xylene (Total)		120	**127**	106	88-115		3.0	
Tetrahydrofuran		40.0	**40.8**	102	60-122		10	
Styrene		40.0	**42.9**	107	81-115		1.0	
Bromoform		40.0	**45.6**	114	70-126		1.0	
1,1,2,2-Tetrachloroethane		40.0	**43.3**	108	81-127		1.0	
Surrogates								
Dibromofluoromethane				103	*88-115*			
1,2-Dichloroethane-d4				105	*81-116*			
Toluene-d8				104	*87-113*			

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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: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Laboratory Control Sample (Continued)						Analyzed:	09/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092556	
Surrogates (Continued)								
4-Bromofluorobenzene				101	*78-116*			
Matrix Spike 0809359-08 RW5S-091708-JY						Analyzed:	09/24/2008	By: DLV
Unit: ug/L						Analytical Batch:	8092427	
Chloromethane	<1.0	40.0	**42.6**	106	66-132		1.0	
Vinyl Chloride	0.470	40.0	**45.4**	112	71-136		1.0	
Bromomethane	<1.0	40.0	**31.6**	79	52-127		1.0	
Chloroethane	<1.0	40.0	**45.0**	112	77-141		1.0	
1,1-Dichloroethene	<1.0	40.0	**46.6**	117	85-130		1.0	
Methylene Chloride	<1.0	40.0	**44.5**	111	87-119		1.0	
trans-1,2-Dichloroethene	<1.0	40.0	**45.8**	115	87-125		1.0	
1,1-Dichloroethane	<1.0	40.0	**45.8**	114	82-125		1.0	
cis-1,2-Dichloroethene	0.510	40.0	**46.2**	114	84-127		1.0	
Chloroform	<1.0	40.0	**46.7**	117	87-123		1.0	
1,1,1-Trichloroethane	0.600	40.0	**44.8**	111	82-126		1.0	
Carbon Tetrachloride	<1.0	40.0	**44.0**	110	83-126		1.0	
Benzene	<1.0	40.0	**45.8**	114	84-127		1.0	
1,2-Dichloroethane	<1.0	40.0	**49.2**	**123**	79-120		1.0	
Trichloroethene	0.650	40.0	**45.1**	111	81-124		1.0	
1,2-Dichloropropane	<1.0	40.0	**45.3**	113	81-125		1.0	
Bromodichloromethane	<1.0	40.0	**46.7**	117	77-130		1.0	
cis-1,3-Dichloropropene	<1.0	40.0	**39.2**	98	68-122		1.0	
Toluene	<1.0	40.0	**45.8**	115	88-125		1.0	
trans-1,3-Dichloropropene	<1.0	40.0	**38.3**	96	72-121		1.0	
1,1,2-Trichloroethane	<1.0	40.0	**46.5**	116	84-122		1.0	
Tetrachloroethene	<1.0	40.0	**43.7**	109	83-117		1.0	
Dibromochloromethane	<1.0	40.0	**41.7**	104	83-110		1.0	
Chlorobenzene	4.25	40.0	**47.1**	107	89-115		1.0	
Ethylbenzene	0.730	40.0	**44.1**	108	87-118		1.0	
Xylene (Total)	0.560	120	**126**	105	88-115		3.0	
Tetrahydrofuran	<10	40.0	**38.8**	97	70-119		10	
Styrene	<1.0	40.0	**42.9**	107	84-114		1.0	
Bromoform	<1.0	40.0	**40.1**	100	70-123		1.0	
1,1,2,2-Tetrachloroethane	<1.0	40.0	**43.8**	109	82-123		1.0	
Surrogates								
Dibromofluoromethane				103	*88-115*			

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 0809359-08 RW5S-091708-JY — Analyzed: 09/24/2008 By: DLV
Unit: ug/L — Analytical Batch: 8092427

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Surrogates (Continued)								
1,2-Dichloroethane-d4				104	*81-116*			
Toluene-d8				100	*87-113*			
4-Bromofluorobenzene				100	*78-116*			

Matrix Spike Duplicate 0809359-08 RW5S-091708-JY — Analyzed: 09/24/2008 By: DLV
Unit: ug/L — Analytical Batch: 8092427

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chloromethane	<1.0	40.0	**42.1**	105	66-132	1	13	1.0
Vinyl Chloride	0.470	40.0	**44.6**	110	71-136	2	10	1.0
Bromomethane	<1.0	40.0	**35.1**	88	52-127	10	18	1.0
Chloroethane	<1.0	40.0	**43.6**	109	77-141	3	13	1.0
1,1-Dichloroethene	<1.0	40.0	**46.6**	116	85-130	0.1	10	1.0
Methylene Chloride	<1.0	40.0	**44.4**	111	87-119	0.1	11	1.0
trans-1,2-Dichloroethene	<1.0	40.0	**45.4**	113	87-125	1	9	1.0
1,1-Dichloroethane	<1.0	40.0	**46.1**	115	82-125	0.8	10	1.0
cis-1,2-Dichloroethene	0.510	40.0	**46.5**	115	84-127	0.8	9	1.0
Chloroform	<1.0	40.0	**46.7**	117	87-123	0.09	8	1.0
1,1,1-Trichloroethane	0.600	40.0	**45.6**	112	82-126	2	9	1.0
Carbon Tetrachloride	<1.0	40.0	**45.9**	115	83-126	4	10	1.0
Benzene	<1.0	40.0	**45.7**	114	84-127	0.2	8	1.0
1,2-Dichloroethane	<1.0	40.0	**48.0**	120	79-120	2	8	1.0
Trichloroethene	0.650	40.0	**45.5**	112	81-124	0.8	8	1.0
1,2-Dichloropropane	<1.0	40.0	**45.3**	113	81-125	0	10	1.0
Bromodichloromethane	<1.0	40.0	**46.9**	117	77-130	0.4	8	1.0
cis-1,3-Dichloropropene	<1.0	40.0	**39.5**	99	68-122	0.6	9	1.0
Toluene	<1.0	40.0	**46.2**	116	88-125	0.9	8	1.0
trans-1,3-Dichloropropene	<1.0	40.0	**39.0**	98	72-121	2	9	1.0
1,1,2-Trichloroethane	<1.0	40.0	**46.4**	116	84-122	0.3	10	1.0
Tetrachloroethene	<1.0	40.0	**43.8**	110	83-117	0.3	8	1.0
Dibromochloromethane	<1.0	40.0	**42.9**	107	83-110	3	9	1.0
Chlorobenzene	4.25	40.0	**47.1**	107	89-115	0.08	8	1.0
Ethylbenzene	0.730	40.0	**45.0**	111	87-118	2	7	1.0
Xylene (Total)	0.560	120	**128**	106	88-115	1	7	3.0
Tetrahydrofuran	<10	40.0	**40.2**	100	70-119	3	14	10
Styrene	<1.0	40.0	**42.9**	107	84-114	0.2	8	1.0
Bromoform	<1.0	40.0	**41.2**	103	70-123	3	10	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: 0811062 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 0809359-08 RW5S-091708-JY					Analyzed:		09/24/2008	By: DLV
Unit: ug/L					Analytical Batch:		8092427	
1,1,2,2-Tetrachloroethane	<1.0	40.0	**42.5**	106	82-123	3	9	1.0
Surrogates								
Dibromofluoromethane				103	*88-115*			
1,2-Dichloroethane-d4				104	*81-116*			
Toluene-d8				101	*87-113*			
4-Bromofluorobenzene				101	*78-116*			
QC Batch: 0811176 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank					Analyzed:		09/27/2008	By: DLV
Unit: ug/L					Analytical Batch:		8092949	
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	

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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: 0811176 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 09/27/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

Tetrachloroethene			<1.0				1.0
2-Hexanone			<5.0				5.0
Dibromochloromethane			<1.0				1.0
Chlorobenzene			<1.0				1.0
Ethylbenzene			<1.0				1.0
Xylene (Total)			<3.0				3.0
Tetrahydrofuran			<10				10
Styrene			<1.0				1.0
Bromoform			<1.0				1.0
1,1,2,2-Tetrachloroethane			<1.0				1.0
1,2,3-Trichlorobenzene			<1.0				1.0
Surrogates							
Dibromofluoromethane				100	*88-115*		
1,2-Dichloroethane-d4				102	*81-116*		
Toluene-d8				95	*87-113*		
4-Bromofluorobenzene				96	*78-116*		

Laboratory Control Sample Analyzed: 09/26/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

Chloromethane		40.0	**38.8**	97	68-130		1.0
Vinyl Chloride		40.0	**39.4**	98	73-130		1.0
Bromomethane		40.0	**41.0**	103	56-140		1.0
Chloroethane		40.0	**38.9**	97	71-130		1.0
1,1-Dichloroethene		40.0	**38.6**	97	81-125		1.0
Acetone		40.0	**39.6**	99	52-134		5.0
Carbon Disulfide		40.0	**49.6**	124	74-133		5.0
Methylene Chloride		40.0	**38.5**	96	74-135		1.0
trans-1,2-Dichloroethene		40.0	**39.0**	97	85-121		1.0
1,1-Dichloroethane		40.0	**38.9**	97	80-122		1.0
cis-1,2-Dichloroethene		40.0	**39.7**	99	84-121		1.0
2-Butanone (MEK)		40.0	**37.8**	95	60-134		5.0
Chloroform		40.0	**40.2**	100	86-120		1.0
1,1,1-Trichloroethane		40.0	**38.5**	96	81-123		1.0
Carbon Tetrachloride		40.0	**42.3**	106	80-126		1.0
Benzene		40.0	**39.0**	97	86-120		1.0
1,2-Dichloroethane		40.0	**41.7**	104	78-121		1.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 0811176 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 09/26/2008 By: DLV
Unit: ug/L Analytical Batch: 8092949

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Trichloroethene		40.0	**39.5**	99	80-122			1.0
1,2-Dichloropropane		40.0	**38.9**	97	77-125			1.0
Bromodichloromethane		40.0	**41.5**	104	81-126			1.0
cis-1,3-Dichloropropene		40.0	**37.5**	94	78-119			1.0
4-Methyl-2-pentanone (MIBK)		40.0	**32.7**	82	57-134			5.0
Toluene		40.0	**39.4**	98	87-123			1.0
trans-1,3-Dichloropropene		40.0	**36.3**	91	70-125			1.0
1,1,2-Trichloroethane		40.0	**40.6**	102	86-123			1.0
Tetrachloroethene		40.0	**40.0**	100	85-115			1.0
2-Hexanone		40.0	**33.3**	83	53-137			5.0
Dibromochloromethane		40.0	**42.4**	106	77-114			1.0
Chlorobenzene		40.0	**39.8**	99	88-114			1.0
Ethylbenzene		40.0	**40.1**	100	86-116			1.0
Xylene (Total)		120	**118**	99	88-115			3.0
Tetrahydrofuran		40.0	**37.2**	93	60-122			10
Styrene		40.0	**40.0**	100	81-115			1.0
Bromoform		40.0	**43.7**	109	70-126			1.0
1,1,2,2-Tetrachloroethane		40.0	**40.5**	101	81-127			1.0
Surrogates								
Dibromofluoromethane				100	*88-115*			
1,2-Dichloroethane-d4				102	*81-116*			
Toluene-d8				99	*87-113*			
4-Bromofluorobenzene				98	*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: 0810745 (General Inorganic Prep)							Analyzed: 09/17/2008 By: CLD		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**235**	mg/L	99	91-110			2.0
0809296-09 GW21D-091508-PRJY									
Matrix Spike	287	238	**536**	mg/L	105	78-117			2.0
Duplicate	287		**290**	mg/L			1	20	2.0
QC Batch: 0810787 (General Inorganic Prep)							Analyzed: 09/18/2008 By: CLD		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**235**	mg/L	99	91-110			2.0
0809322-09 GW19D-091608-PRJY									
Matrix Spike	293	238	**541**	mg/L	104	78-117			2.0
Duplicate	293		**299**	mg/L			2	20	2.0
QC Batch: 0810844 (Method-Specific Preparation)							Analyzed: 09/19/2008 By: CLD		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**234**	mg/L	98	91-110			2.0
0809359-08 RW5S-091708-JY									
Matrix Spike	319	238	**567**	mg/L	104	78-117			2.0
Duplicate	319		**322**	mg/L			0.9	20	2.0
QC Batch: 0810906 (Method-Specific Preparation)							Analyzed: 09/22/2008 By: CLD		
Method Blank			<2.0	mg/L					2.0
Laboratory Control Sample		238	**238**	mg/L	100	91-110			2.0
Analyte:	**Carbon, Total Organic**/USEPA-415.1								
QC Batch: 0810853 (General Inorganic Prep)							Analyzed: 09/18/2008 By: GEH		
Method Blank			<0.50	mg/L					0.50
Laboratory Control Sample		2.00	**2.16**	mg/L	108	88-108			1.0
0809296-09 GW21D-091508-PRJY									
Matrix Spike	0.763	2.00	**2.84**	mg/L	104	80-115			1.0
Matrix Spike Duplicate	0.763	2.00	**2.80**	mg/L	102	80-115	2	20	1.0

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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:	***Carbon, Total Organic***/*USEPA-415.1 (Continued)*								
QC Batch: 0811162 (General Inorganic Prep)							Analyzed: 09/25/2008 By: LMA		
Method Blank			<0.50	mg/L					0.50
Laboratory Control Sample		40.0	**37.3**	mg/L	93	88-108			1.0
0809359-08 RW5S-091708-JY									
Matrix Spike	0.783	40.0	**40.8**	mg/L	100	80-115			1.0
Matrix Spike Duplicate	0.783	40.0	**38.7**	mg/L	95	80-115	5	20	1.0
QC Batch: 0811164 (General Inorganic Prep)							Analyzed: 09/25/2008 By: LMA		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		40.0	**37.3**	mg/L	93	88-108			1.0
0809399-17 GW26DR-091808-JY									
Matrix Spike	1.65	40.0	**40.6**	mg/L	97	80-115			1.0
Matrix Spike Duplicate	1.65	40.0	**39.3**	mg/L	94	80-115	3	20	1.0
Analyte:	**Chloride**/*USEPA-325.2*								
QC Batch: 0810895 (General Inorganic Prep)							Analyzed: 09/19/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**48.1**	mg/L	96	92-109			1.0
0809296-09 GW21D-091508-PRJY									
Matrix Spike	1.72	50.0	**50.7**	mg/L	98	72-125			1.0
Matrix Spike Duplicate	1.72	50.0	**50.7**	mg/L	98	72-125	0.08	20	1.0
QC Batch: 0811096 (General Inorganic Prep)							Analyzed: 09/24/2008 By: GEH		
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	**50.2**	mg/L	100	92-109			1.0
0809359-08 RW5S-091708-JY									
Matrix Spike	4.09	50.0	**55.1**	mg/L	102	72-125			1.0
Matrix Spike Duplicate	4.09	50.0	**55.1**	mg/L	102	72-125	0.01	20	1.0
0809399-01 GW25D-091808-JY									
Matrix Spike	4.21	50.0	**54.9**	mg/L	101	72-125			1.0
Matrix Spike Duplicate	4.21	50.0	**54.6**	mg/L	101	72-125	0.6	20	1.0
Analyte:	**Nitrogen, Ammonia**/*USEPA-350.1*								
QC Batch: 0810827 (General Inorganic Prep)							Analyzed: 09/18/2008 By: GEH		
Method Blank			<0.010	mg/L					0.010

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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, Ammonia**/USEPA-350.1 (Continued)								
QC Batch: 0810827 (Continued) (General Inorganic Prep)							Analyzed: 09/18/2008 By: GEH		
Laboratory Control Sample		*0.500*	**0.499**	*mg/L*	*100*	*90-110*			*0.050*
0809296-09 GW21D-091508-PRJY									
Matrix Spike	0.214	0.500	**0.695**	mg/L	96	90-110			0.050
Matrix Spike Duplicate	0.214	0.500	**0.688**	mg/L	95	90-110	1	20	0.050
QC Batch: 0810954 (General Inorganic Prep)							Analyzed: 09/22/2008 By: GEH		
Method Blank			<0.020	mg/L					0.020
Laboratory Control Sample		0.500	**0.471**	mg/L	94	90-110			0.050
0809359-01 DNR1-091708-PR									
Matrix Spike	0.219	0.500	**0.670**	mg/L	90	90-110			0.050
Matrix Spike Duplicate	0.219	0.500	**0.668**	mg/L	90	90-110	0.2	20	0.050
0809359-08 RW5S-091708-JY									
Matrix Spike	<0.050	0.500	**0.422**	mg/L	**84**	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.417**	mg/L	**83**	90-110	1	20	0.050
Analyte:	**Nitrogen, Nitrate**/USEPA-353.2								
QC Batch: 0810887 (Method-Specific Preparation)							Analyzed: 09/17/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.480**	mg/L	96	90-110			0.050
0809296-09 GW21D-091508-PRJY									
Matrix Spike	<0.050	0.500	**0.491**	mg/L	98	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.480**	mg/L	96	90-110	2	20	0.050
QC Batch: 0810880 (Method-Specific Preparation)							Analyzed: 09/18/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.486**	mg/L	97	90-110			0.050
0809359-08 RW5S-091708-JY									
Matrix Spike	<0.050	0.500	**0.481**	mg/L	96	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.498**	mg/L	100	90-110	4	20	0.050
QC Batch: 0810900 (Method-Specific Preparation)							Analyzed: 09/20/2008 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: 0810900 (Continued) (Method-Specific Preparation)							Analyzed: 09/20/2008 By: HLB		
Laboratory Control Sample		0.500	**0.493**	mg/L	99	90-110			0.050
0809399-04 GW24D-091808-PR									
Matrix Spike	0.0176	0.500	**0.463**	mg/L	**89**	90-110			0.050
Matrix Spike Duplicate	0.0176	0.500	**0.468**	mg/L	90	90-110	1	20	0.050
Analyte:	**Nitrogen, Nitrite**/USEPA-353.2								
QC Batch: 0810886 (Method-Specific Preparation)							Analyzed: 09/17/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.509**	mg/L	102	90-110			0.050
0809296-09 GW21D-091508-PRJY									
Matrix Spike	<0.050	0.500	**0.513**	mg/L	103	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.509**	mg/L	102	90-110	0.7	20	0.050
QC Batch: 0810877 (Method-Specific Preparation)							Analyzed: 09/18/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.508**	mg/L	102	90-110			0.050
0809359-08 RW5S-091708-JY									
Matrix Spike	<0.050	0.500	**0.504**	mg/L	101	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.504**	mg/L	101	90-110	0.006	20	0.050
QC Batch: 0810901 (Method-Specific Preparation)							Analyzed: 09/20/2008 By: HLB		
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.503**	mg/L	101	90-110			0.050
0809399-04 GW24D-091808-PR									
Matrix Spike	<0.050	0.500	**0.494**	mg/L	99	90-110			0.050
Matrix Spike Duplicate	<0.050	0.500	**0.508**	mg/L	102	90-110	3	20	0.050
Analyte:	**Sulfate**/USEPA-375.4								
QC Batch: 0810931 (General Inorganic Prep)							Analyzed: 09/19/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0

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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:	**Sulfate**/USEPA-375.4 (Continued)								
QC Batch: 0810931 (Continued) (General Inorganic Prep)							Analyzed: 09/19/2008 By: GEH		
Laboratory Control Sample		20.0	**19.2**	mg/L	96	88-112			5.0
0809296-09 GW21D-091508-PRJY									
Matrix Spike	2.83	20.0	**23.2**	mg/L	102	61-156			5.0
Matrix Spike Duplicate	2.83	20.0	**23.2**	mg/L	102	61-156	0.3	20	5.0
QC Batch: 0811093 (General Inorganic Prep)							Analyzed: 09/24/2008 By: GEH		
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**21.8**	mg/L	109	88-112			5.0
0809359-08 RW5S-091708-JY									
Matrix Spike	25.7	20.0	**44.1**	mg/L	92	76-126			10
Matrix Spike Duplicate	25.7	20.0	**44.0**	mg/L	91	76-126	0.3	20	10
0809399-01 GW25D-091808-JY									
Matrix Spike	20.0	20.0	**38.7**	mg/L	93	76-126			10
Matrix Spike Duplicate	20.0	20.0	**38.7**	mg/L	93	76-126	0.00003	20	10

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STATEMENT OF DATA QUALIFICATIONS

Dissolved Gases in Water by RSK-175 Headspace Analysis

Qualification: The result for this analyte was above the linear range of the initial calibration curve and must be considered as estimated.

Analysis: RSK-175

Sample/Analyte:			
	0809359-01	DNR1-091708-PR	Methane
	0809359-02	DNRIR-091708-PR	Methane
	0809359-03	RWID-091708-PR	Methane
	0809359-04	MW102D-091708-PR	Methane
	0809359-10	DNR7-091708-JY	Methane

Qualification: The analyte concentration in the sample exceeded the calibrated range of the instrument. The sample result is considered estimated.

Analysis: RSK-175

Sample/Analyte:			
	0809399-16	GW26D-091808-JY	Methane
	0809399-17	GW26DR-091808-JY	Methane

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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:		
0809296-06	GW18-091508-PRJY	2-Butanone (MEK)
0809296-06	GW18-091508-PRJY	2-Hexanone
0809296-06	GW18-091508-PRJY	4-Methyl-2-pentanone (MIBK)
0809296-06	GW18-091508-PRJY	Acetone
0809296-06	GW18-091508-PRJY	Carbon Disulfide
0809296-07	GW5I-091508-PRJY	2-Butanone (MEK)
0809296-07	GW5I-091508-PRJY	2-Hexanone
0809296-07	GW5I-091508-PRJY	4-Methyl-2-pentanone (MIBK)
0809296-07	GW5I-091508-PRJY	Acetone
0809296-07	GW5I-091508-PRJY	Carbon Disulfide
0809296-08	GW21S-091508-PRJY	2-Butanone (MEK)
0809296-08	GW21S-091508-PRJY	2-Hexanone
0809296-08	GW21S-091508-PRJY	4-Methyl-2-pentanone (MIBK)
0809296-08	GW21S-091508-PRJY	Acetone
0809296-08	GW21S-091508-PRJY	Carbon Disulfide
0809296-09	GW21D-091508-PRJY	2-Butanone (MEK)
0809296-09	GW21D-091508-PRJY	2-Hexanone
0809296-09	GW21D-091508-PRJY	4-Methyl-2-pentanone (MIBK)
0809296-09	GW21D-091508-PRJY	Acetone
0809296-09	GW21D-091508-PRJY	Carbon Disulfide
0809296-10	Trip Blank TM1708	2-Butanone (MEK)
0809296-10	Trip Blank TM1708	2-Hexanone
0809296-10	Trip Blank TM1708	4-Methyl-2-pentanone (MIBK)
0809296-10	Trip Blank TM1708	Acetone
0809296-10	Trip Blank TM1708	Carbon Disulfide
0809322-01	EB2-091608-JY	Carbon Disulfide
0809322-02	FB1-091608-PRJY	Carbon Disulfide
0809322-03	GW17I-091608-PRJY	Carbon Disulfide
0809322-04	GW17D-091608-PRJY	Carbon Disulfide
0809322-05	GW20D-091608-PRJY	Carbon Disulfide
0809322-06	GW20I-091608-PRJY	Carbon Disulfide
0809322-07	GW19S-091608-PRJY	Carbon Disulfide
0809322-08	GW19R-091608-PRJY	Carbon Disulfide
0809322-09	GW19D-091608-PRJY	Carbon Disulfide
0809322-10	Trip Blank TM1364	Carbon Disulfide
0809359-01	DNR1-091708-PR	Carbon Disulfide
0809359-02	DNRIR-091708-PR	Carbon Disulfide
0809359-03	RWID-091708-PR	Carbon Disulfide
0809359-04	MW102D-091708-PR	Carbon Disulfide
0809359-05	FB2-091708-PR	Carbon Disulfide
0809359-06	DNR4-091708-PR	Carbon Disulfide
0809359-08	RW5S-091708-JY	Carbon Disulfide
0809359-09	MW3I-091708-JY	Carbon Disulfide
0809359-10	DNR7-091708-JY	Carbon Disulfide
0809359-11	EB3-091708-JY	Carbon Disulfide

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B (Continued)

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:		
0809359-12	MW103S-091708-JY	1,2-Dichloroethane
0809359-12	MW103S-091708-JY	Carbon Disulfide
0809359-13	Trip Blank TM2026	1,2-Dichloroethane
0809359-13	Trip Blank TM2026	Carbon Disulfide

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:		
0809296-09	GW21D-091508-PRJY	1,2-Dichloroethane
0809296-09	GW21D-091508-PRJY	Carbon Disulfide
0809359-08	RW5S-091708-JY	1,2-Dichloroethane

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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-350.1

Sample/Analyte: 0809359-08 RW5S-091708-JY Nitrogen, Ammonia

Qualification: The MS or MSD recovery, but not both, was outside the control limit. The RPD is within the control limit. The unspiked sample result is not qualified.

Analysis: USEPA-353.2

Sample/Analyte: 0809399-04 GW24D-091808-PR Nitrogen, Nitrate

Qualification: Nitrite-N was analyzed within the EPA 48 hour hold time. The sample was also chemically preserved and later analyzed for Nitrate+Nitrite-N within the 28 day EPA hold time. Nitrate-N was calculated by subtraction of these two analyses.

Analysis: USEPA-353.2

Sample/Analyte: 0809399-01 GW25D-091808-JY Nitrogen, Nitrate
0809399-02 GW25I-091808-PR Nitrogen, Nitrate

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Chain of Custody Record

COC No. 124921

SEMI-ANNUAL

Page 1 of 2

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Cart: 3

VOA Rack/Trayers: 336R, 397R Gases

Receipt Log No.: 21.5

Project Chemist:

Laboratory Project No: 0809296

Client Name: EARTH TECH AECOM

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone: 734 779 2800
Fax: 734 779 2860

Project Name: 102777.04

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

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List): P

Number of Containers Submitted

Total

Sample Comments

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix				
		01	PW6-091508-PR	TM 1708	9/15	1013	X		GW	X			
		02	PW1-091508-PR		9/15	1117	X		GW	X			
		03	EB1-091508-PRJY		9/15	1138	X		GW	X			
		04	PW4-091508-PR		9/15	1152	X		GW	X			
		05	PW6D-091508-JY		9/15	1250	X		GW	X	X		
		06	GW18-091508-~~JY~~ PRJY		9/15	1400	X		GW	X	X		
		07	GW5I-091508-~~JY~~ PRJY		9/15	1435	X		GW	X	X		
		08	GW21S-091508-PRJY		9/15	1525	X		GW	X	X		
		09	GW21D-091508-PRJY		9/15	1605	X		GW	X	X		
		~~10~~ 10	GW21D-091508-PRJY-MS/MSD		9/15	1610	X		GW	X	X		

MS/MSD Added volume for

Comments

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier UPS

Tracking No.

1. Relinquished By: [signature] Date: 09.15.08 Time: 1730

2. Received By: Date:

2. Relinquished By: Date: Time:

2. Received By: Date: Time:

3. Relinquished By: Date: Time:

3. Received For Lab By: [signature] Date: 9-16-08 Time: 0930

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

TriMatrixCOC -- COC

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Chain of Custody Record

COC No. 124920

Page 2 of 2

For Lab Use Only

Cart

VOA Rack/Tray

Receipt Log No. 21-5

Project Chemist

Laboratory Project No. 0809296

Client Name: EARTH TECH AECOM

Project Name: ~~102777.04~~ ROSE

Address: 36133 SCHOOLCRAFT RD LIVONIA MI 48150

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

Invoice No.: ☒ Client ☐ Other (comments)

Phone: 734 779 2800

Fax: 734 779 2860

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	COMP	GRAB	Matrix	Number of Containers Submitted	Sample Comments
		11	1	TRIP BLANK	TM 1708	9/15	1700			W	X	
			2									
			3									
			4									
			5									
			6									
			7									
			8									
			9									
			10									

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier UPS

Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
[signature]	09.15.08	1730						

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	9-16-08	0930

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

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Earth Tech
Receipt Record Page/Line No: 21-5
Project-Subproject-No: 0809296
new / add to
Project Chemist / Sample Nos

Coolers Received

Recorded by (initials/date): WC 9-16-08

☑ Cooler ☐ Box ☐ Other ____ Qty Received: 1

Thermometer Used: ☐ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (# ____) ☐ See Additional Cooler Information Form

Cooler No / Time	Cooler No / Time	Cooler No / Time	Cooler No / Time
TM 1708 / 1005			
Custody Seals: ☑ none; ☐ present / intact; ☐ present / not intact	Custody Seals: ☐ none; ☐ present / intact; ☐ present / not intact	Custody Seals: ☐ none; ☐ present / intact; ☐ present / not intact	Custody Seals: ☐ none; ☐ present / intact; ☐ present / not intact
Coolant Location: Dispersed / (Top) / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom	Coolant Location: Dispersed / Top / Middle / Bottom
Coolant/Temperature Taken Via: ☐ loose ice / avg 2-3 containers; ☑ bagged ice / avg 2-3 containers; ☐ blue ice / avg 2-3 containers; ■ none / avg 2-3 containers	Coolant / Temperature Taken Via: ☐ loose ice / avg 2-3 containers; ☐ bagged ice / avg 2-3 containers; ☐ blue ice / avg 2-3 containers; ■ none / avg 2-3 containers	Coolant / Temperature Taken Via: ☐ loose ice / avg 2-3 containers; ☐ bagged ice / avg 2-3 containers; ☐ blue ice / avg 2-3 containers; ■ none / avg 2-3 containers	Coolant / Temperature Taken Via: ☐ loose ice / avg 2-3 containers; ☐ bagged ice / avg 2-3 containers; ☐ blue ice / avg 2-3 containers; ■ none / avg 2-3 containers
Alternate Temperature Taken Via: ☑ temperature blank (tb); ☐ 1 container	Alternate Temperature Taken Via: ☐ temperature blank (tb); ☐ 1 container	Alternate Temperature Taken Via: ☐ temperature blank (tb); ☐ 1 container	Alternate Temperature Taken Via: ☐ temperature blank (tb); ☐ 1 container
Recorded °C: tb 2.1; Correction Factor °C: ____; Actual °C: 2.1	Recorded °C: tb ____; Correction Factor °C: ____; Actual °C: ____	Recorded °C: tb ____; Correction Factor °C: ____; Actual °C: ____	Recorded °C: tb ____; Correction Factor °C: ____; Actual °C: ____
tb location: representative / in ice	tb location: representative / in ice	tb location: representative / in ice	tb location: representative / in ice
1: 1.8; 2: 2.6; 3: 2.9	1; 2; 3	1; 2; 3	1; 2; 3
Average °C: 1.8, 2.6, 2.9	Average °C:	Average °C:	Average °C:
☐ Cooler ID on COC? ☑ VOC trip blank received?	☐ Cooler ID on COC? ☐ VOC trip blank received?	☐ Cooler ID on COC? ☐ VOC trip blank received?	☐ Cooler ID on COC? ☐ VOC trip blank received?

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC received

N/A	Yes	No	
	☑	☐	Chain of Custody Record(s)?
	☐		If No, COC initiated by ____
	☑		Rec'd for Lab signed/date/time?
☐	☑		Shipping Document?
☑	☐		Other ____

COC ID Nos

☑ TriMatrix 124921, 124920

☐ Other (name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	■	Sample ID matches COC?
☑	■	Sample date and time matches COC?
☑		Container type completed on COC?
☑	■	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	☑	Broken containers/lids?
	■	☑	Missing or incomplete labels?
	■	☑	Illegible information on labels?
	■	☑	Low volume received?
	■	☑	Inappropriate containers received?
☐	■	☑	VOC vials have headspace?
☐	■	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	■	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	■	Samples preserved correctly?
☑		☐	If "No", added orange tag?
☑		☐	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☑ Green-tagged Containers
☐ Yellow/White-tagged 1L Ambers (SV Prep-Lab)

AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip blank received ☐ Trip blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (init./date) ____
☐ No analysis requested, Proj. Chemist completed (init./date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9-16-08 0930	9-16-08 1010	(Yes) / No

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page ___ of ___

Client: Earth Tech	Project-Submittal No: 0809296
Receipt Log No: 21.5	Completed by (initials/date): WC 9-16-08
	Project Chemist:

COC ID No	Adjusted by: ___ Date: ___	DO NOT ADJUST pH FOR THESE CONTAINER TYPES					
Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1						
COC Line No. 2						
COC Line No. 3						
COC Line No. 4						
COC Line No. 5		✓		✓		
COC Line No. 6		✓		✓		
COC Line No. 7		✓		✓		
COC Line No. 8		✓		✓		
COC Line No. 9		✓		✓		
COC Line No. 10		✓		✓		

Comments

COC ID No	Adjusted by: ___ Date: ___	DO NOT ADJUST pH FOR THESE CONTAINER TYPES					
Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1						
COC Line No. 2						
COC Line No. 3						
COC Line No. 4						
COC Line No. 5						
COC Line No. 6						
COC Line No. 7						
COC Line No. 8						
COC Line No. 9						
COC Line No. 10						

Comments

pH strip lot No

☑ HC896537

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. **If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form.** If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). **Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.**

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5:	NaOH
500	2.5
1000	5.0
Container Type 4:	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

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Chain of Custody Record

COC No. **124923**

SEMI ANNUAL

Page 1 of 1

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Cat 9

VOA Rack/Tray (VOB VOCS/ 15TB GOOD)

Receipt Log No. 23-5

Project Chemist

Laboratory Project No. 0809322

Client Name: EARTH TECH AECOM

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone 734 779 2800
Fax 734 779 2860

Project Name: ROSE

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

Invoice No. ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

PRESERVATIVES
A NONE pH>7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F $Zn(Ac)_2$ NaOH pH>9
G MeOH
H Other (specify below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Client ID	Sample Date	Sample Time	Grab	Matrix	Number of Containers Submitted		Sample Comments
		01	EB2-091608-JY	TM 1364	9/16	0830	X	W	X		
		02	FB1-091608-PRJY		9/16	0900	X	W	X		
		03	GW17I-091608-PRJY		9/16	0935	X	GW	X	X	
		04	GW17D-091608-PRJY		9/16	1015	X	GW	X	X	
		05	GW20D-091608 PRJY		9/16	1115	X	GW	X	X	
		06	GW20I-091608-PRJY		9/16	1200	X	GW	X	X	
		07	GW19S-091608-PRJY		9/16	1305	X	GW	X	X	
		08	GW19R-091608-PRJY		9/16	1310	X	GW	X	X	
		09	GW19D-091608-PRJY		9/16	1345	X	GW	X	X	
		10	TRIP BLANK		9/16	~	X	W	X		

Sampled By (print): JASON YANCHULA

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier UPS

Tracking No.

Comments

1. Relinquished By: [signature] Date 09/16/08 Time 1730

2. Relinquished By Date Time

3. Relinquished By Date Time

1. Received By Date

2. Received By Date Time

4. Received at Lab By: [signature] Date 9-17-08 Time 1050

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

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Chain of Custody Record

COC No. 125008

Page 1 of 1

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Cart: 8
VOA Rack/Tray: 160 + 240 8 VOCs / 358 GRO
Receipt Log No.: 25-10
Project Chemist:
Laboratory Project No.: 0809359

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

Project Name: ROSE TWP V4 G.W.
Client Project No./P.O. No.: 102777.04
Invoice No.: ☑ Client ☐ Other (comments)
Contact/Report To:

Analyses Requested: SEMI ANALYTICAL, VOC, NA

PRESERVATIVES: A NONE pH-7; B HNO_3 pH<2; C H_2SO_4 pH<2; D 1+1 HCl pH<2; E NaOH pH>12; F ZnAc/NaOH pH>9; G MeOH; H Other (note below)

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	~~OT~~		DNR1-091708-PR	TM 1584	9-17-08	1015		X	AQ	X	X		9	
02	~~08~~		DNR1R-091708-PR	"	"	1025		X	"	X	X		9	
03	~~09~~		RW1D-091708-PR	"	"	1145		X	"	X	X		9	
04	~~10~~		MW10D-091708-PR	"	"	1250		X	"	X	X		9	
05	~~11~~		FB2-091708-PR	"	"	1225		X	"	X	~~X~~		~~9~~ 2	
06	~~12~~		DNR4-091708-PR	"	"	1420		X	"	X	X		9	
7														
8														
9														
10														

Sampled By (print): PHILLIP RILEY
Sampler's Signature: Phillip Riley
Company: CTI and ASSOCIATES

How Shipped? Hand Carrier UPS
Tracking No.:

Comments:

Relinquished By	Date	Time
Phillip Riley	9-17-08	1500

Received By	Date	Time
[signature]	9-17-08	1500

Relinquished By	Date	Time
[signature]	9-17-08	1730

Received By	Date	Time
UPS		1730

Relinquished By	Date	Time

Received For Lab By	Date	Time
[signature]	9-18-08	0930

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Chain of Custody Record

COC No. 124922

SEMI ANNUAL

Page 1 of 1

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Cart: 8

VOA Rack/Tray: 1(0) 32 103 rms/356 [illegible]

Receipt Log No.: 2510

Project Chemist:

Laboratory Project No.: 0809359

Client Name: EARTH TECH AECOM ~~Sound~~

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone: 734 779 2800
Fax: 734 779 2860

Project Name: RUSE

Client Project No./PO No.: 107777.04

Invoice No.: ☒ Client ☐ Other (comments)

Contact Report to: LESLIE HARTIG

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

PRESERVATIVES: A NONE pH>7; B HNO3 pH<2; C H2SO4 pH<2; D 1+1 HCl pH<2; E NaOH pH>12; F ZnAc NaOH pH>9; G MeOH; H Other (specify below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Client ID	Sample Date	Sample Time	Grab	Comp	Matrix	Number of Containers Submitted			Test	Sample Comments
		07	RW5$-091708-JY	TM 2026	09/17	1040		X	GW	X	X			
		08	RW5$-MS/MSD-091708-JY		09/17	1050		X	GW	X	X			
		09	MW3I-091708-JY		09/17	1210		X	GW	X	X			
		10	DHR7-091708-JY		09/17	1320		X	GW	X	X			
		11	EB3-091708-JY		09/17	1230		X	W	X				
		12	MW103$-091708-JY		09/17	1535		X	GW	X	X			
		7	TRIP BLANK		9/17	17		X	W	X				
		8												
		9												
		10												

Sampled By (print): JOHN YANKIWICZ

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier: UPS

Tracking No.:

Comments:

1. Relinquished By: [signature] Date: 09.17.08 Time: 1730
2. Received By: UPS Date: Time: 1730
2. Relinquished By: Date: Time:
2. Received By: Date: Time:
3. Relinquished By: Date: Time:
3. Received for Laboratory By: [signature] Date: 9.18.08 Time: 0930

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

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: EarthTech Livonia
Receipt Record Page/Line No: 25-10
Project/Sample: new / add to 0809359
Project Chemist / Sample Nos

Coolers Received

Recorded by (initials/date): WC 9-18-08

☑ Cooler ☐ Box ☐ Other _____ Qty Received: 2

Thermometer Used: ☐ IR Gun (#94) ☑ Digital Thermometer (#54) ☐ Other (#) ☐ See Additional Cooler Information Form

Cooler No.	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	Cooler ID on COC?	VOC trip blank received?
Tm 1584	1205	☑ none ☐ present / intact ☐ present / not intact	Dispersed / Top / Middle / Bottom	☐ loose ice / avg 2-3 containers ☑ bagged ice / avg 2-3 containers ☐ blue ice / avg 2-3 containers ■ none / avg 2-3 containers	☑ temperature blank (tb) ☐ 1 container	tb: 3.9	-	3.9	☑	☐
						tb location: representative / in ice				
						1: 3.5	-	3.5		
						2: 4.0	-	4.0		
						3: 4.7	-	4.7		
							Average °C	4.1		
Tm 2026	1215	☑ none ☐ present / intact ☐ present / not intact	Dispersed / Top / Middle / Bottom	☐ loose ice / avg 2-3 containers ☑ bagged ice / avg 2-3 containers ☐ blue ice / avg 2-3 containers ■ none / avg 2-3 containers	☑ temperature blank (tb) ☐ 1 container	tb: 2.2	-	2.2	☑	☑
						tb location: representative / in ice				
						1: 2.0	-	2.0		
						2: 2.6	-	2.6		
						3: 4.4	-	4.4		
							Average °C	3.0		

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received

☐ No COC received

N/A	Yes	No	
	☑	☐	Chain of Custody Record(s)? If No, COC initiated by _____
	☑	☐	Rec'd for Lab signed/date/time?
☐	☑	☐	Shipping Document?
☑	☐	☐	Other _____

COC ID Nos.

☑ TriMatrix

☐ Other (name or ID#) _____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	■	Sample ID matches COC?
☑	■	Sample date and time matches COC?
☑		Container type completed on COC?
☑	■	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	☑	Broken containers/lids?
	■	☑	Missing or incomplete labels?
	■	☑	Illegible information on labels?
	■	☑	Low volume received?
	■	☑	Inappropriate containers received?
☐	■	☑	VOC vials have headspace?
☐	■	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	■	Average sample temperature ≤6° C?
☐	☑	☐	Completed Sample Preservation Verification Form?
☐	☑	■	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☐ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☑ Green-tagged Containers
- ☐ Yellow/White-tagged 1L Ambers (SV Prep-Lab)

AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☑ Trip blank received ☐ Trip blank not listed on COC

☐ No COC received, Proj. Chemist reviewed (init./date) _____

☐ No analysis requested, Proj. Chemist completed (init./date) _____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9 18 08 0830	9-18-08 1220	Yes (No)

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page ___ of ___

Client: Earth Tech	Project-Submittal No.: 0809359
Receipt Log No.: 25-10	Completed By (initials/date): WC 9-18-08
	Project Contact:

COC ID No.	Adjusted by: ___ Date: ___			DO NOT ADJUST pH FOR THESE CONTAINER TYPES		
125008						
Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1		✓		✓		
COC Line No. 2		✓		✓		
COC Line No. 3		✓		✓		
COC Line No. 4		✓		✓		
COC Line No. 5						
COC Line No. 6		✓		✓		
COC Line No. 7						
COC Line No. 8						
COC Line No. 9						
COC Line No. 10						

Comments

COC ID No.	Adjusted by: ___ Date: ___			DO NOT ADJUST pH FOR THESE CONTAINER TYPES		
124922						
Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1		✓		✓		
COC Line No. 2		✓		✓		
COC Line No. 3		✓		✓		
COC Line No. 4		✓		✓		
COC Line No. 5						
COC Line No. 6		✓		✓		
COC Line No. 7						
COC Line No. 8						
COC Line No. 9						
COC Line No. 10						

Comments

pH strip lot No.

☑ HC896537

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. **If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form.** If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). **Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.**

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5:	NaOH
500	2.5
1000	5.0
Container Type 4:	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 124924

SEMI ANNUAL

Page 1 of 1

For Lab Use Only

Cart: 6

VOA Rack/Tray: 219,54B 328,211B

Receipt Log No: 27.0

Project Chemist:

Laboratory Project No.: 08109399

Client Name: EARTH TECH AECOM

Address: 36133 SCHOOLCRAFT R
LIVONIA MI 48150

Phone 734 779 2800
Fax 734 779 2860

Project Name: ROSE

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

Invoice No.: X Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

Analyses Requested: VOC, NA

Container Type (corresponds to Container Packing List)

PRESERVATIVES
A NONE pH>7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number	Sample ID	Cooler ID	Sample Date	Sample Time	Matrix	Number of Containers Submitted			Total	Sample Comments
		01	GW25D-091808-JY	TM 1862	9/18	0915	GW	X	X		9	
		02	GW25I-091808-PR		9/18	0925	GW	X	X		9	
		03	FB3-091808-PR		9/18	1024	W	X			2	
		04	GW24D-091808-PR		9/18	1040	GW	X	X		9	
		05	GW24I-091808-JY		9/18	1045	GW	X	X		9	
		06	GW22I-091808-JY		9/18	1210	GW	X	X		9	
		07	GW22D-091808-JY		9/18	1210	GW	X	X		9	
		08	TRIP BLANK		9/18	–	W	X			2	
		09	GW4D-091808-PR		9/18	1645	GW	X			9	

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier: UPS

Tracking No.:

Comments:

1. Relinquished By: [signature] Date: 09.18.08 Time:

2. Received By: UPS Date: Time:

2. Relinquished By: Date: Time:

2. Received By: Date: Time:

3. Relinquished By: Date: Time:

3. Received For Lab By: [signature] Date: 9.19.08 Time: 0930

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

TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 124925

SEMI ANNUAL

Analyses Requested

Page 2 of

For Lab Use Only

Cart

VOA Rack/Tray

Receipt Log No. 27.6

Project Chemist

Laboratory Project No. 0809399

Client Name: EARTH TECH AECOM

Address: 36133 SCHOOLCRAFT RD
LIVONIA MI 48150

Phone 734 779 2800
Fax 734 779 2800

Project Name: ROSE

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

Invoice No. ☒ Client ☐ Other (comments)

Contact/Report To: LESLIE HARTIG

VOC
NA

Container Type (corresponds to Container Packing List)

PRESERVATIVES
A NONE pH>2
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 in the 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
		10	GW22$-091808-JY	TM 1283	9/18	1320	X		GW	X X	9	
		11	GW23D-091808-PR		9/18	1325	X		GW	X X	9	
		12	GW23$-091808-PR		9/18	1420	X		GW	X X	9	
		13	GW23$R-091808-PR		9/18	1425	X		GW	X X	9	
		14	GW23I-091808-JY		9/18	1425	X		GW	X X	9	
		15	GW26I-091808-PR		9/18	1530	X		GW	X X	9	
		16	GW26D-091808-JY		9/18	1535	X		GW	X X	9	
		17	GW26DR-091808-JY		9/18	1540	X		GW	X X	9	

Sampled By (print): JOHN YANCHULA

Sampler's Signature: [signature]

Company: EARTH TECH AECOM

How Shipped? Hand Carrier UPS

Tracking No.

Comments

1. Relinquished By: [signature] Date 9.18.08 Time

2. Received By: UPS Date

2. Relinquished By Date Time

2. Received By Date Time

3. Relinquished By Date Time

4. Received For Lab By: [signature] Date 9.19.08 Time 0930

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

TriMatrix Laboratories, Inc.

SAMPLE RECEIVING / LOG-IN CHECKLIST

Client: Earth Tech Livonia
Receipt Record Page/Line No: 27.6
Project/Schedule No: 0809399
new / add to
Project Chemist / Sample Nos

Coolers Received

Recorded by (initials/date): WC 9.19.08

☑ Cooler ☐ Box ☐ Other ____ Qty Received: 2

Thermometer Used: ☑ IR Gun (#94) ☐ Digital Thermometer (#54) ☐ Other (#____) ☐ See Additional Cooler Information Form

Cooler No / Time	Tm 1862 / 1038	Tm 1283 / 1045		
Custody Seals	☑ none	☑ none	☐ none	☐ none
	☐ present / intact	☐ present / intact	☐ present / intact	☐ present / intact
	☐ present / not intact	☐ present / not intact	☐ present / not intact	☐ present / not intact
Coolant Location	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom	Dispersed / Top / Middle / Bottom
Coolant / Temperature Taken Via	☑ loose ice / avg 2-3 containers	☑ loose ice / avg 2-3 containers	☐ loose ice / avg 2-3 containers	☐ loose ice / avg 2-3 containers
	☐ bagged ice / avg 2-3 containers	☐ bagged ice / avg 2-3 containers	☐ bagged ice / avg 2-3 containers	☐ bagged ice / avg 2-3 containers
	☐ blue ice / avg 2-3 containers	☐ blue ice / avg 2-3 containers	☐ blue ice / avg 2-3 containers	☐ blue ice / avg 2-3 containers
	■ none / avg 2-3 containers	■ none / avg 2-3 containers	■ none / avg 2-3 containers	■ none / avg 2-3 containers
Alternate Temperature Taken Via	☐ temperature blank (tb)	☐ temperature blank (tb)	☐ temperature blank (tb)	☐ temperature blank (tb)
	☐ 1 container	☐ 1 container	☐ 1 container	☐ 1 container
Recorded °C / Correction Factor °C / Actual °C				
tb				
tb location / representative / in ice				
1	3.5 - 3.5	4.0 - 4.0		
2	3.0 - 3.0	3.7 - 3.7		
3	3.8 - 3.8	3.5 - 3.5		
Average °C	3.4	3.7		
☑ Cooler ID on COC?	☑	☑	☐	☐
☑ VOC trip blank received?	☑	☐	☐	☐

If any shaded areas checked, complete Sample Receiving Non-Conformance Form.

Paperwork Received

☐ No COC received

N/A	Yes	No	
	☑	☐	Chain of Custody Record(s)?
	☐		If No, COC initiated by ____
	☑		Rec'd for Lab signed/date/time?
☐	☑		Shipping Document?
☑	☐		Other ____

COC ID Nos

☐ TriMatrix

☐ Other (name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	■	Sample ID matches COC?
☑	■	Sample date and time matches COC?
☑		Container type completed on COC?
☑	■	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	☑	Broken containers/lids?
	■	☑	Missing or incomplete labels?
	■	☑	Illegible information on labels?
	■	☑	Low volume received?
	■	☑	Inappropriate containers received?
☐	■	☑	VOC vials have headspace?
☐	■	☑	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☐	■	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	■	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils?

☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☑ Green-tagged Containers
☐ Yellow/White-tagged 1L Ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☑ RECEIVED, COCs TO LAB(S)

Notes

☑ Trip blank received ☐ Trip blank not listed on COC
☐ No COC received. Proj. Chemist reviewed (init./date) ____
☐ No analysis requested. Proj. Chemist completed (init./date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
9.19.08 0930	9.19.08 1055	Yes / No

TriMatrix Laboratories, Inc.

SAMPLE PRESERVATION VERIFICATION FORM

page ___ of ___

Client: Earth Tech	Project Submittal No: 0809399
Receipt Log No: 27-6	Completed By (Initials/date): WC 9-19-09
	Project Chemist:

COC ID No	Adjusted by: ___ Date: ___	DO NOT ADJUST pH FOR THESE CONTAINER TYPES		
124924				

Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1		✓		✓		
COC Line No. 2		✓		✓		
COC Line No. 3		✓		✓		
COC Line No. 4		✓		✓		
COC Line No. 5		✓		✓		
COC Line No. 6		✓		✓		
COC Line No. 7		✓		✓		
COC Line No. 8						
COC Line No. 9		✓		✓		
COC Line No. 10						

Comments

COC ID No.	Adjusted by: ___ Date: ___	DO NOT ADJUST pH FOR THESE CONTAINER TYPES		
124925				

Container Type	5	4	13	3	6	15
Tag Color	Lt. Blue	Blue	Brown	Green	Red	Red Stripe
Preservative	NaOH	H_2SO_4	H_2SO_4	None	HNO_3	HNO_3
Expected pH	>12	<2	<2	~7	<2	<2
COC Line No. 1		✓		✓		
COC Line No. 2		✓		✓		
COC Line No. 3		✓		✓		
COC Line No. 4		✓		✓		
COC Line No. 5		✓		✓		
COC Line No. 6		✓		✓		
COC Line No. 7		✓		✓		
COC Line No. 8		✓		✓		
COC Line No. 9						
COC Line No. 10						

Comments

pH strip lot No.

☑ HC896537

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. **If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form.** If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). **Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.**

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5:	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Sep-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)
9/1/2008		81,375	24	100		179,000	24	100		169,000	24	100		0	0	0		0	0	0		58,250	24	100		0		542,500
9/2/2008	285,594,000	75,000	24	100	64,502,000	180,833	24	100	332,805,000	171,000	24	100	128,272,000	0	0	0	109,879,000	0	0	0	290,582,000	57,833	24	100	279,042	0	1,529,515,000	538,333
9/3/2008		75,000	24	100		180,833	24	100		171,000	24	100		0	0	0		0	0	0		57,833	24	100		0		538,333
9/4/2008		75,000	24	100		180,833	24	100		171,000	24	100		0	0	0		0	0	0		57,833	24	100		0		538,333
9/5/2008		75,000	24	100		180,833	24	100		171,000	24	100		0	0	0		0	0	0		57,833	24	100		0		538,333
9/6/2008		75,000	24	100		180,833	24	100		171,000	24	100		0	0	0		0	0	0		57,833	24	100		0		538,333
9/7/2008		75,000	24	100		180,833	24	100		171,000	24	100		0	0	0		0	0	0		57,833	24	100		0		538,333
9/8/2008	286,044,000	80,286	24	100	65,587,000	176,429	24	100	333,831,000	165,714	24	100	128,272,000	0	0	0	109,879,000	0	0	0	290,929,000	58,000	24	100	279,042	0	1,532,745,000	532,429
9/9/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/10/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/11/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/12/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/13/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/14/2008		80,286	24	100		176,429	24	100		165,714	24	100		0	0	0		0	0	0		58,000	24	100		0		532,429
9/15/2008	286,606,000	79,143	24	100	66,822,000	173,714	24	100	334,991,000	163,000	24	100	128,273,000	0	0	0	109,879,000	0	0	0	291,335,000	55,857	24	100	279,042,000	0	1,536,472,000	522,571
9/16/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	0	0		0	0	0		55,857	24	100		0		522,571
9/17/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	0	0		0	0	0		55,857	24	100		0		522,571
9/18/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	0	0		0	0	0		55,857	24	100		0		522,571
9/19/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	1	4		0	0	0		55,857	24	100		0		522,571
9/20/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	0	0		0	0	0		55,857	24	100		0		522,571
9/21/2008		79,143	24	100		173,714	24	100		163,000	24	100		0	0	0		0	0	0		55,857	24	100		0		522,571
9/22/2008	287,160,000	0	0	0	68,038,000	0	0	0	336,132,000	0	0	0	128,272,000	0	0	0	109,879,000	0	0	0	291,726,000	0	0	0	279,042	0	1,540,130,000	0
9/23/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/24/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/25/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/26/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/27/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/28/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
9/29/2008	Off	0	0	0	Off	0	0	0	Off	0	0	0	Off	0	0	0	Off	0	0	0	Off	0	0	0	Off	0	Off	0
9/30/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
MONTHLY TOTAL		1,647,375				3,715,000				3,496,000				0				0				1,202,250				0		11,157,500
DAILY AVERAGE		54,913				123,833				116,533				0				0				40,0"5				0		371,917
PER. MIN. AVG.		38				86				81				0				0				28				0		258
AVG % OPERATION				70				70				70				0				0				70				

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 shut down on September 3, 2008 due to an overload on PW-4 System off for approximately 2 hours
5 System shut down on September 22, 2008 for cleaning of the tower media