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

Prepared For:

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

Prepared By:

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36133 Schoolcraft
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March 2009

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1.0 INTRODUCTION

This groundwater monitoring report documents field activities and analytical results from the October 2008 (Annual) groundwater sampling activities conducted at the Rose Township Demode Road Site (Site), located at 913 Demode Road, Holly, Michigan (Figure 1). Groundwater level measurements were collected from one-hundred twenty-eight groundwater monitoring wells and three active and two inactive extraction wells on October 17, 2008. A total of forty-nine groundwater monitoring wells were purged and sampled between October 20 and 29, 2008, using either low-flow pumping methods or by use of natural artesian conditions. In addition, samples were collected from four active and two inactive extraction wells during the October 2008 annual sampling event. This report summarizes the methods and procedures used during the monitoring event, the results of the October 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. 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 (October 13, 2008) contained VC at 1.7 µg/L. VC concentrations in samples from the well at 510 Demode Road have ranged from 0.4 µg/L (6/9/03) to 6.2 µg/L (7/24/08) since 2003.

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 October 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 October 17 and 29, 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 October 2008 groundwater monitoring event were consistent with those established during previous quarterly monitoring events. A brief description of the groundwater gauging, sampling, and analyses are provided below.

2.1 GROUNDWATER ELEVATIONS

On October 17, 2008, AECOM collected static groundwater level measurements from one-hundred and twenty-eight groundwater monitoring wells, three active, and two inactive 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 active extraction wells PW-4 and PW-6 were not measured as these wells are under uncontrollable artesian conditions. In addition, a groundwater level could not be obtained from GW-17I due to damage to the well casing.

2.2 GROUNDWATER SAMPLING PROCEDURES

Groundwater sampling was conducted between October 20 and 29, 2008 at forty-nine monitoring well locations, four active, and two inactive extraction wells. Details summarizing the sampling procedures for the low-flow pumping method and natural artesian flow methods are provided in the following sections.

2.2.1 LOW- FLOW SAMPLING METHODS

A total of thirty-three groundwater monitoring wells were purged using low-flow methods, utilizing either a peristaltic pump (twenty-two wells) or a bladder pump (eleven wells), at flow rates ranging from 100 to 375 milliliters per minute. During the installation of the tubing for the peristaltic pump or the placement of the bladder pump, care was taken to minimize disturbance of the stagnant water column in the well. If a bladder pump was used to purge the well, the pump was installed in the well and left in place for at least one hour to equilibrate with the water column before purging commenced.

Field parameters, including pH, temperature, conductivity, dissolved oxygen, oxidation reduction potential (ORP), and turbidity, were collected and recorded throughout purging activities on a low-flow field purge form (Appendix A). With the exception of turbidity, field parameter readings were measured in-line using a sealed flow-through cell and multi-parameter analyzer. Turbidity readings were obtained using an extracted water sample and a separate optical turbidity meter. Groundwater purging continued until stabilization of the field parameters was observed. Stabilization was considered to have been achieved when three consecutive readings for each parameter were within the following limits:

- pH - ±0.1 pH units of the average of the three readings;
- Temperature - ±3% of the average of the three readings;
- Conductivity - ±0.005 milliSiemen per centimeter (mS/cm) of the average value of the three readings for conductivity <1 mS/cm and ±0.01 mS/cm of the average value of the three readings for conductivity >1 mS/cm;

- ORP - ±10 millivolts (mV) of the average value of the three readings;
- DO - ±10 percent of the average value of the three readings; and
- Turbidity - ±10 percent of the average value of the three readings, or a final value of less than 5 nephelometric turbidity units (NTU).

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

2.2.2 NATURAL ARTESIAN FLOW SAMPLING METHODS

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

2.2.3 ACTIVE GROUNDWATER EXTRACTION WELL SAMPLING METHODS

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

2.3 ANALYTICAL METHODS

Groundwater samples collected from the monitoring wells 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.

Groundwater samples from the four active extraction wells and two inactive extraction wells 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-5, GW-16, GW-17D, GW-20I and RW-5S. 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** - Six 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 extraction wells PW-1 and PW-9 and from monitoring well GW-5D. 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** – Six 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 DNR-3, GW-5I, GW-20D, GW-22I, GW-25D, 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

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 October 2008 annual groundwater monitoring results are summarized and discussed in the following sections.

3.1 GROUNDWATER ELEVATIONS

Water levels were measured in one hundred and twenty-eight groundwater monitoring wells and three active and two inactive extraction wells on October 17, 2008. These water level data are summarized in Table 1.

One hundred of the one hundred and twenty-eight groundwater elevations measured were utilized to create the October 2008 groundwater contour figures. Seventy-three monitoring well groundwater levels were input into the kriging program KT3D, developed by S.S. Papadopulos & Associates, Inc. to produce the shallow zone groundwater elevation map of the site (Figure 2) and forty-one 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 1005.87ft. AMSL at well MW-111I, located off-site to the southwest of the Site, to 980.30 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 0.003 feet/foot (ft/ft) across the southern and central portions of the property. The gradient steepens upgradient of extraction well PW-6 to 0.01 ft/ft and then flattens out and reverses direction to the southwest downgradient of PW-6 (0.003 ft/ft) to the northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.014 ft/ft. (Figure 2).

The groundwater level elevations in the deep zone ranged from 1005.50 ft. AMSL at well MW-110D, located south of the southern boundary of the property, to 982.56 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 0.01 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 (0.007 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 0.011 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 6.78 (GW-5D) to 12.21 (MW-103S) °C.
- **pH:** Groundwater pH ranged from 6.85 (MW-2I) to 8.99 (GW-18).
- **Conductivity:** Groundwater conductivities ranged from 84 (MW-102D) to 912 (GW-20I) microSiemens per centimeter (µS/cm).
- **Dissolved Oxygen:** Dissolved oxygen values ranged from 0.18 (GW-6D) to 8.90 (RW-1) mg/L.
- **Turbidity:** Groundwater turbidity ranged from less than 1 (multiple wells) to 180 (MW-108D) nephelometric turbidity units (NTUs).
- **ORP:** Groundwater ORP ranged from -249.3 (GW-28D) to 650.2(GW-12I) milliVolts (mV).

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

3.3 ANALYTICAL RESULTS

The VOC concentrations detected in October 2008 annual 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 fifteen of the monitoring wells, three active, and one inactive extraction wells (DNR-7, GW-5D, GW-5I, GW-17D, GW-18, GW-20D, GW-28D, GW-28I, GW-29, MW-2I, MW-3I, MW-103S, PW-1, PW-3, PW-6, PW-8, RW-1, RW-1D, and RW-5S) sampled in October 2008. VOCs that were detected, but did not exceed the Part 201 Criteria, MCLs, or the ROD TCLs, include chlorobenzene, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, ethylbenzene, toluene, trans-1,2-dichloroethene, and total xylenes. The detected VOCs that exceeded one or more ROD TCL, Part 201, and/or MCL criterion are summarized below.

3.3.1 VINYL CHLORIDE

Vinyl chloride (VC) is the most prevalent VOC at the Site, detected in thirteen of the monitoring wells, two active extraction wells, and one inactive extraction well sampled during this monitoring event. The detected VC concentrations in groundwater samples ranged from 1.3 μg/L (PW-8) to 250 μg/L (GW-29). 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 March 2008 and October 2008 are summarized on the following table.

Observed Vinyl Chloride Concentrations (µg/L) per Monitoring Event				
Sample Location	**3/2008**	**6/2008**	**9/2008**	**10/2008**
DNR-6	NS	0.40	NS	NS
DNR-7	77	100	87	79
GW-17D	13	11	12	8.7
GW-17I	< 1.0	< 1.0	< 1.0	< 1.0
GW-18	18	18	15	9.7
GW-19S	<1.0	0.63	<1.0	<1.0
GW-20D	16	18	14	11
GW-5I	56	63	54	41
GW-5D	NS	5.7	NS	2.3
MW-2I	NS	11	NS	6.4
MW-3I	18	25	22	16
PW-1	8.3	13	11	8.3
PW-3	NS	<1.0	NS	<1.0
PW-4	1.5	<1.0	1.4	<1.0
PW-6	7.6	9.1	10	6.6
PW-7	NS	NS	NS	NS
PW-8	NS	NS	NS	1.3
RW-1D	1.7	1.1	1.5	1.4
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
Rhase 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 6 through 26. Overall decreasing VC concentration trends are apparent in monitoring wells DNR-6, GW-5I, GW-5D, GW-17I, GW-17D, GW-18, GW-19S, GW-20D, MW-3I, PW-1, PW-3, PW-4, PW-6 and RW-5S. With the exception of RW-5S, these wells are all located in the vicinity of pumping wells PW-1,

PW-4, and PW-6. RW-5S is located in the vicinity of pumping well PW-3. The VC concentrations at wells DNR-7 and RW-1D are generally stable.

Table 3 presents 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 three of the monitoring wells sampled in June 2008. The detected concentrations were 11 µg/L (GW-28D), 1.2 µg/L (RW-1), and 120 µg/L (RW-1D). TCE and VC iso-concentration contours are shown in Figure 5.

The TCE concentrations reported in October 2008 were generally consistent with those observed in recent sampling events. The TCE concentration at well RW-1D remains elevated from concentrations detected prior to April 2006. To date, the furthest down gradient location at which TCE has been routinely detected is at pumping well PW-8. TCE has not been observed at any of the newest down gradient wells and boundary wells, including the GW-17, GW-18, GW-19, GW-20 and GW-21 series, or any of the off-Site monitoring wells.

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

3.3.3 CIS-1,2-DICHLOROETHENE

Concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) were detected in groundwater samples collected from ten of the monitoring wells and two of the active extraction wells sampled in October 2008. The cis-1,2-DCE concentrations ranged from 1.2 µg/L at wells MW-3I and GW-5I to 140 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) October 2008
DNR-7	**140**
GW-5D	**32**
GW-5I	**1.5**
GW-28D	**110**
GW-28I	**15**
GW-29	**2.9**
MW-3I	**1.2**
MW-103S	**1.7**
PW-1	**27**
PW-6	**11**
RW-1	**3.6**
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 cis-1,2-DCE:
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 6 through 26. Over the last several sampling events the cis-1,2-DCE concentrations, where detected, have remained generally stable with a few exceptions. A decreasing concentration trend is evident in the recent data from MW-103S. Previously a strong decreasing trend had been apparent at well DNR-7, located near the center of the site, however, the concentration has rebounded to levels similar to concentration measured in March 2007. A slight increasing trend is evident in wells PW-1, and PW-6 since June 2004.

3.3.4 BENZENE

Concentrations of benzene were detected in groundwater samples collected from three of the monitoring wells (GW-28I, GW-29, and MW-2I) and one of the active extraction wells (PW-3) sampled in October 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

All fifty-five groundwater samples collected in October 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 fifty-three wells. Additional biogeochemical parameters were collected in the field from all fifty-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 October 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 0.18 (GW-6D) to 8.90 (RW-1) mg/L (see Section 3.2).

ORP: Groundwater ORP ranged from -249.3 (GW-28D) to 650.2 (GW-12I) milliVolts (mV)

(see Section 3.2).

Laboratory Results

Methane: Methane was detected in fifty-four of the wells sampled, at concentrations ranging from 1.2 (RW-5S) to 2,600 μg/L (GW-28I).

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

Ethene: Ethene was detected in twenty-seven of the wells sampled at concentrations of 1.1 μg/L (multiple wells) and 100 μg/L (GW-29).

Nitrate/Nitrite: Nitrate was detected in five of the wells sampled at concentrations ranging from 0.063 mg/L (GW-16) to 0.32 mg/L (PW-9). Nitrite was not detected in any well sampled.

Sulfate: Sulfate was detected in forty-three of the wells sampled, at concentrations ranging from 5.7 (GW-12I) to 31 mg/L (GW-1I).

Ammonia: Ammonia was detected in forty-four of the wells sampled at concentrations ranging from 0.061 mg/L (PW-4) to 0.55 mg/L (MW-109D).

Chloride: Chloride concentrations ranged from 1.7 mg/L (DNR-1) to 11 mg/L (MW-109D and PW-8).

Total Alkalinity: Total alkalinity concentrations ranged from 190 mg/L (GW-28D) to 390 mg/L (GW-17D Duplicate).

Total Organic Carbon: Total organic carbon content ranged from below the reporting limit of 1.1 mg/L (Multiple wells) to 63 mg/L (GW-28I).

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-12I, GW-26D, GW-28I, GW-29, RW-1, RW-1D, RW-2 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 October 2008 sampling event are summarized below. Complete laboratory analytical reports including QA/QC sample results are provided in Appendix B.

Field Blanks

Six field blank samples were submitted to the laboratory for analysis of VOCs. Chloroform (16 µg/L) and bromodichloromethane (2.3 µg/L) were detected in field blank FB-1. All other samples contained no detectable concentration of VOCs. None of the field blank samples had elevated reporting limits (RLs).

Equipment Blanks

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

Duplicate Samples

Duplicate samples (DNR-5, GW-16, GW-17D, GW-20I and RW-5S) 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 duplicate RPD for methane in PW-1 (batch 0810444-07) exceeded the control limit. Since the initial and/or the duplicate sample result was greater than or equal to 5 times the reporting limit, the initial reported result is considered estimated.

The methane concentration in samples from RW-1D, DNR-1, MW-109D, GW-12I, GW-26D, MW-102D, GW-29, and GW-28I (batches 0810444-03 and 8, 0810481-02 and 4, 0810598-07, 0810613-01 and 10, and 0810635-01) exceeded the calibrated range of the instrument. The sample results are considered estimated.

The laboratory control sample (LCS) was less than the lower control limit but greater than or equal to 10% for bromoform in quality control batch 0810481-01 through 16 and carbon disulfide for quality control batch 0810613-01 through 13. A positive result for these analytes in their associated QC batches are considered estimated; a non-detect result for the same analytes are considered as approximate.

The LCS/laboratory control sample duplicate (LCSD) RPD exceeded the control limit for bromomethane in QC batch 0810537-01 through 10. A positive result for this analyte in any sample from the associated QC batch is considered estimated. Non-detectable results are not qualified.

MS/MSDs

The matrix spike (MS) and /or matrix spike duplicate (MSD) recoveries were outside the control limit for 2-butanone (MEK), 2-hexanone, 4-methyl-2-pentanone (MIBK), acetone, and carbon disulfide from PW-1. The non-spiked sample result is considered estimated.

The RPD between the MS and MSD results exceeded the upper control limit for bromomethane and vinyl chloride from PW-9 and MIBK from GW-5D. The non-spiked sample result is considered estimated.

The MS or MSD recovery, but not both, was outside the control limit for acetone and carbon disulfide from PW-9. The RPD is within the control limit. The unspiked sample result is not qualified.

The MS and /or MSD recovery was outside the control limit for nitrogen, ammonia from GW-28I. The non-spiked sample result is considered estimated.

Holding Times

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

4.0 SUMMARY OF OCTOBER 2008 GROUNDWATER MONITORING EVENT

Water levels were collected from a total of one hundred and twenty-eight groundwater monitoring wells and two active and four inactive extraction wells on October 17, 2008. Purging and sampling activities were performed on forty-nine on and off-site monitoring wells, four active and two inactive extraction wells between October 20 and 29, 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 October 2008, groundwater elevations increased an average of 0.78 feet from the last monitoring event in September 2008. The shallow groundwater flow direction on-Site is generally from south to north at a horizontal gradient of approximately 0.003 ft/ft across the southern and central portions of the property. The gradient steepens upgradient of extraction well PW-6 to 0.01 ft/ft and then flattens out downgradient of PW-6 (0.003 ft/ft) to the northeast property boundary. The groundwater flow direction becomes more northeasterly near the northeast property boundary where the gradient increases to 0.014 ft/ft. (Figure 2).

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 0.01 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 (0.007 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 0.011 ft/ft. (Figure 3).

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 and PW-6. 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 27). Weekly monitoring of the treated and untreated groundwater is conducted in accordance with the Michigan Department of Environmental Quality (MDEQ) Substantive Requirements Document for Surface Water Discharge (Permit No. MIU990014).

5.1 COMPLIANCE

Table 5 provides a summary of the influent and effluent analyses, and weekly average air emission rates for the one-month period from October 1, 2008 through October 31, 2008. Influent and effluent samples were collected weekly when the system was operational and semi-annually 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. Semi-annual samples were collected on October 13, 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 (October 1, 2008 through October 31, 2008). The air emission rates for the air stripper system ranged from 0.0019 to 0.0075 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

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. Air stripper tower cleaning was completed October 13, 2008. The system was restarted and resumed pumping at normal rates.

5.3 SYSTEM OPERATIONS

The system has removed through October 31, 2008 an estimated 556.02 lbs of VOCs from the groundwater since start-up of the groundwater collection and treatment system on February 10, 1996. For this reporting period, the groundwater treatment system removed 1.13 lbs of VOCs (0.2% of cumulative total removal). This corresponds to an average VOC removal rate of 0.0046 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 October 1, 2008 through October 31, 2008. During October 2008, an estimated total of 7,919,000 gallons of groundwater, were extracted from the purge wells. The following problems were encountered during this reporting period, which caused down time for the extraction wells:

- The system was down from September 22, 2008 through October 13, 2008 for cleaning and pipe repair.

The groundwater pump and treat system operated 87% of the time over the reporting period 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 April and October 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 February 2009.

Figures

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

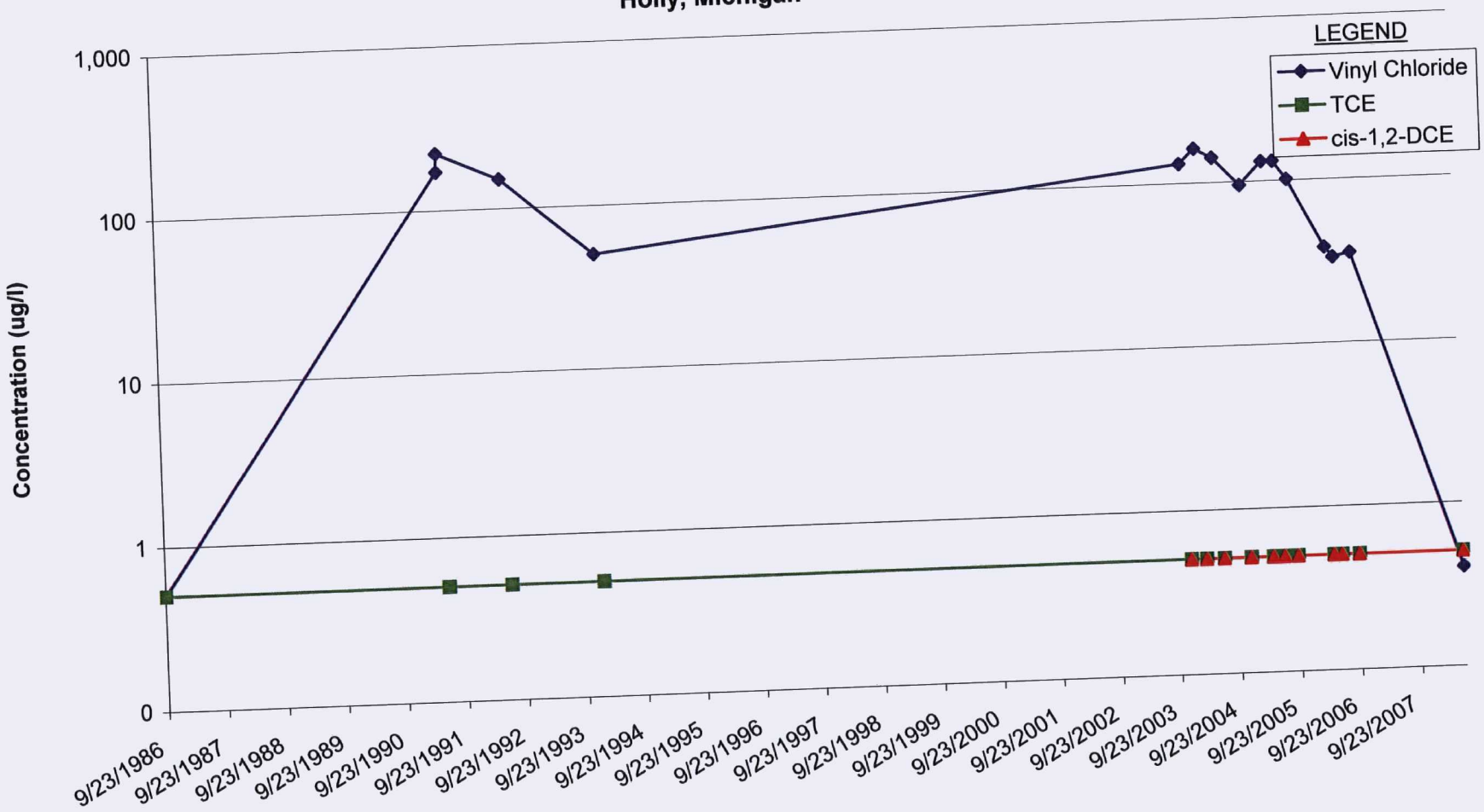


FIGURE 7
DNR-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 8
GW-5I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

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

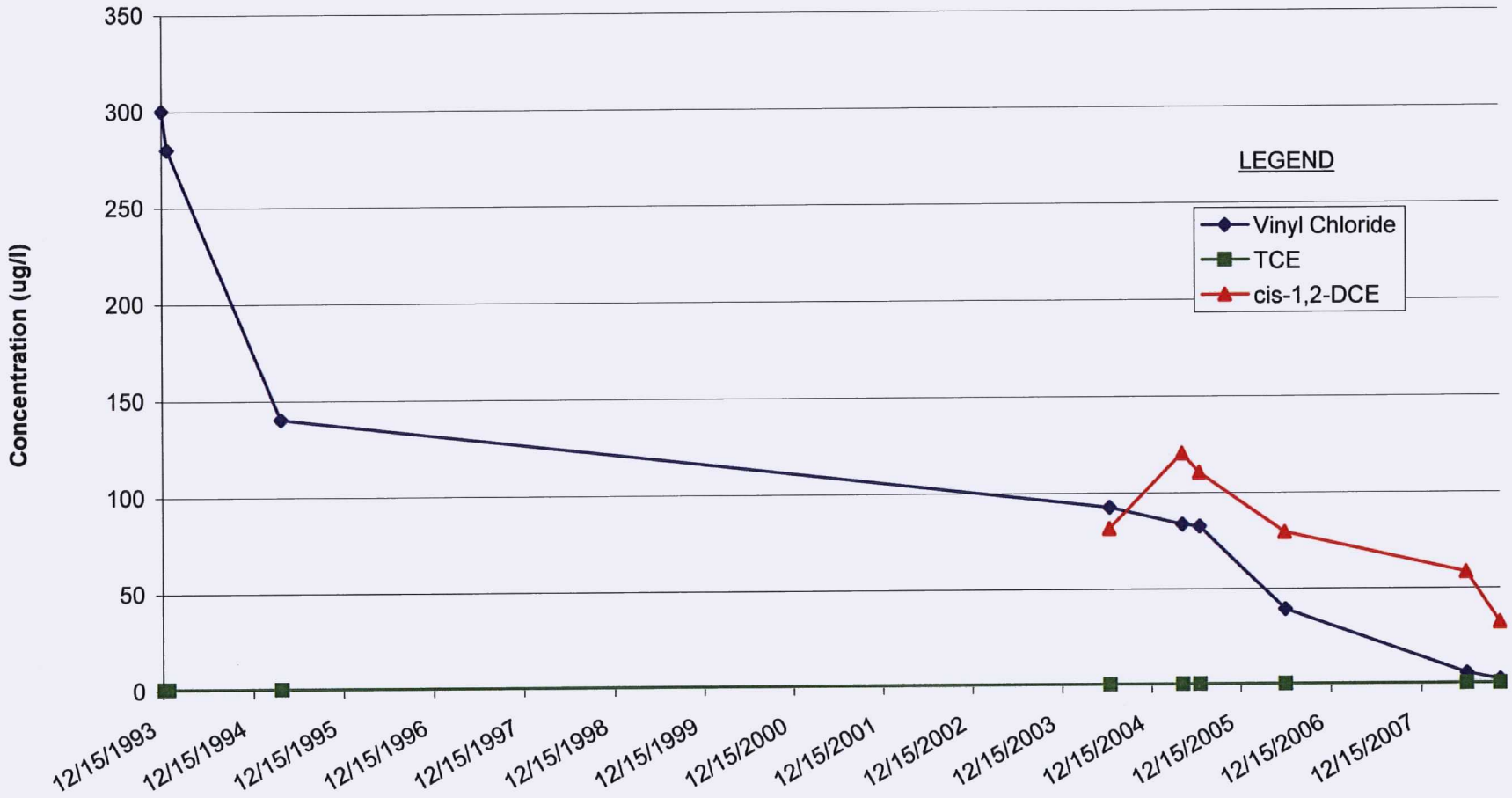


FIGURE 10
GW-6D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

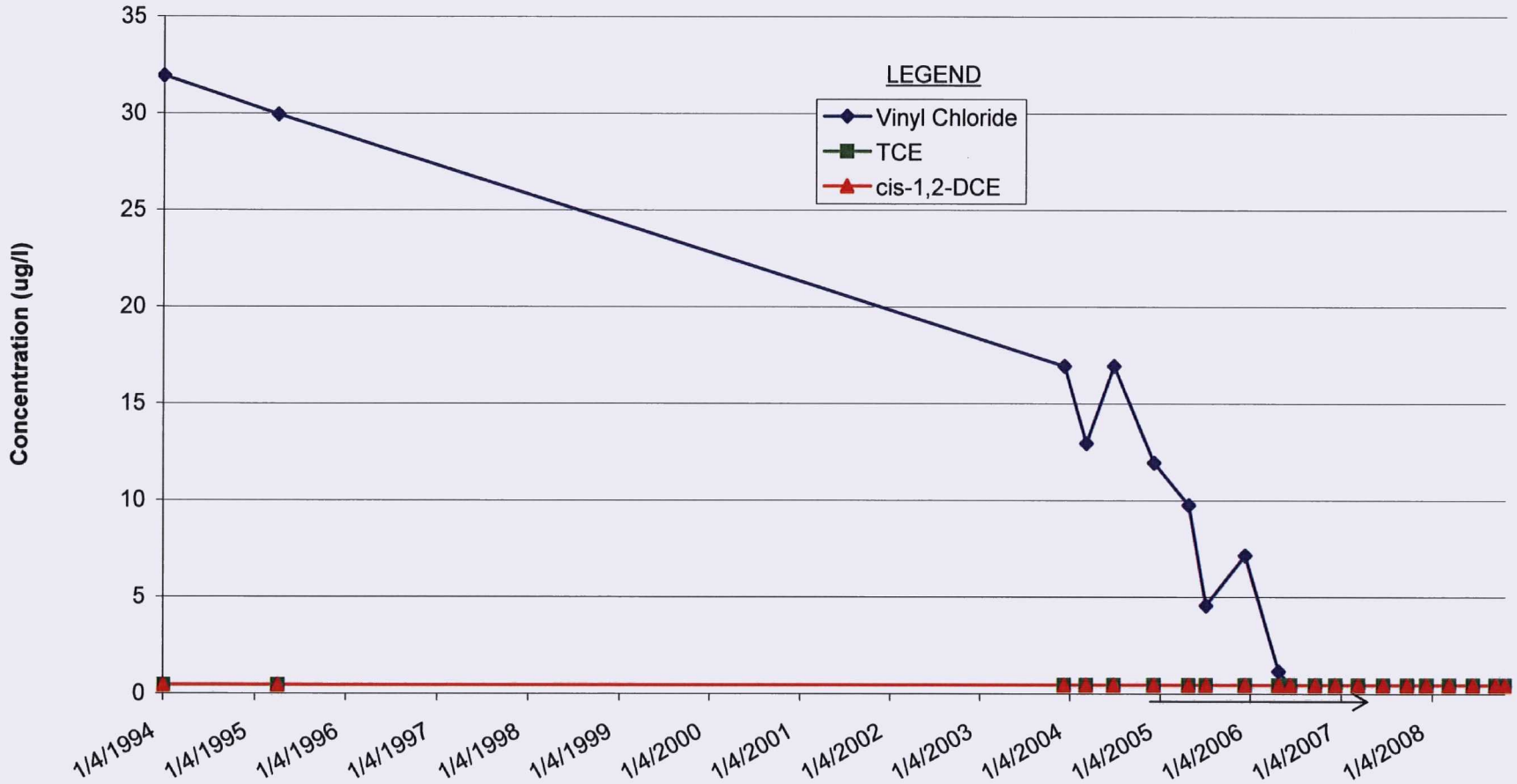


FIGURE 11
GW-17I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

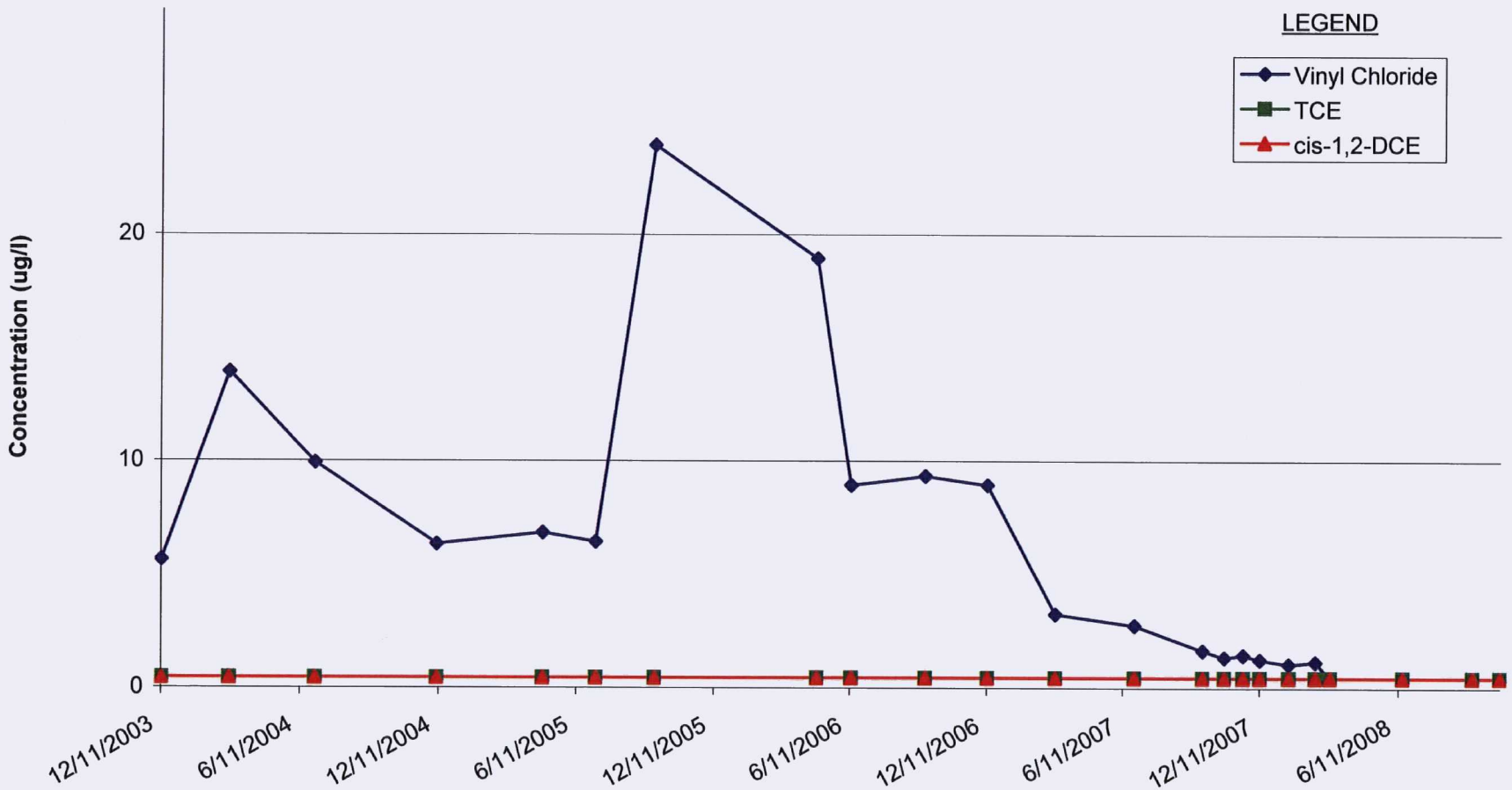


FIGURE 12
GW-17D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 13
GW-18
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

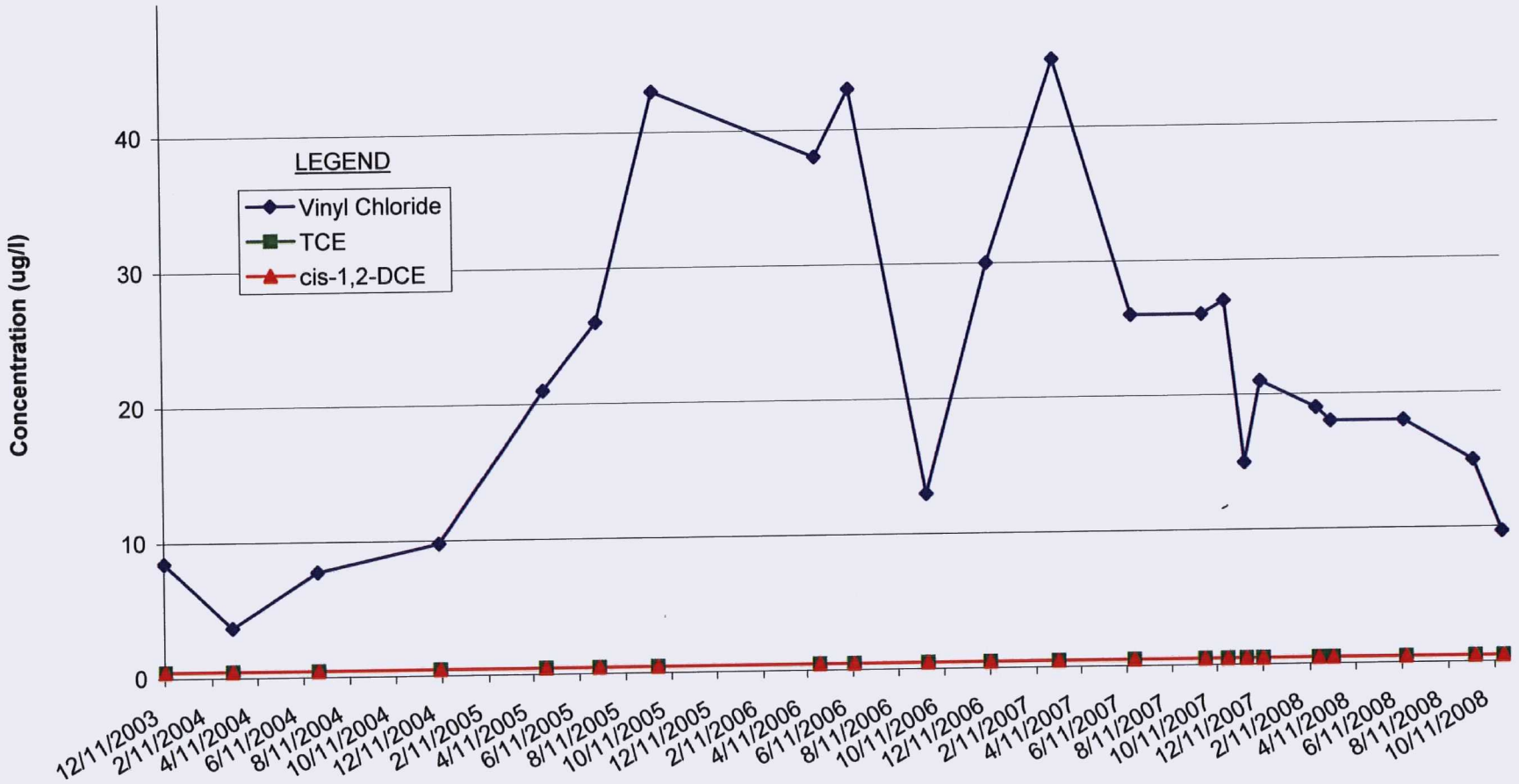


FIGURE 14
GW-19S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Annual Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 15
GW-20D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

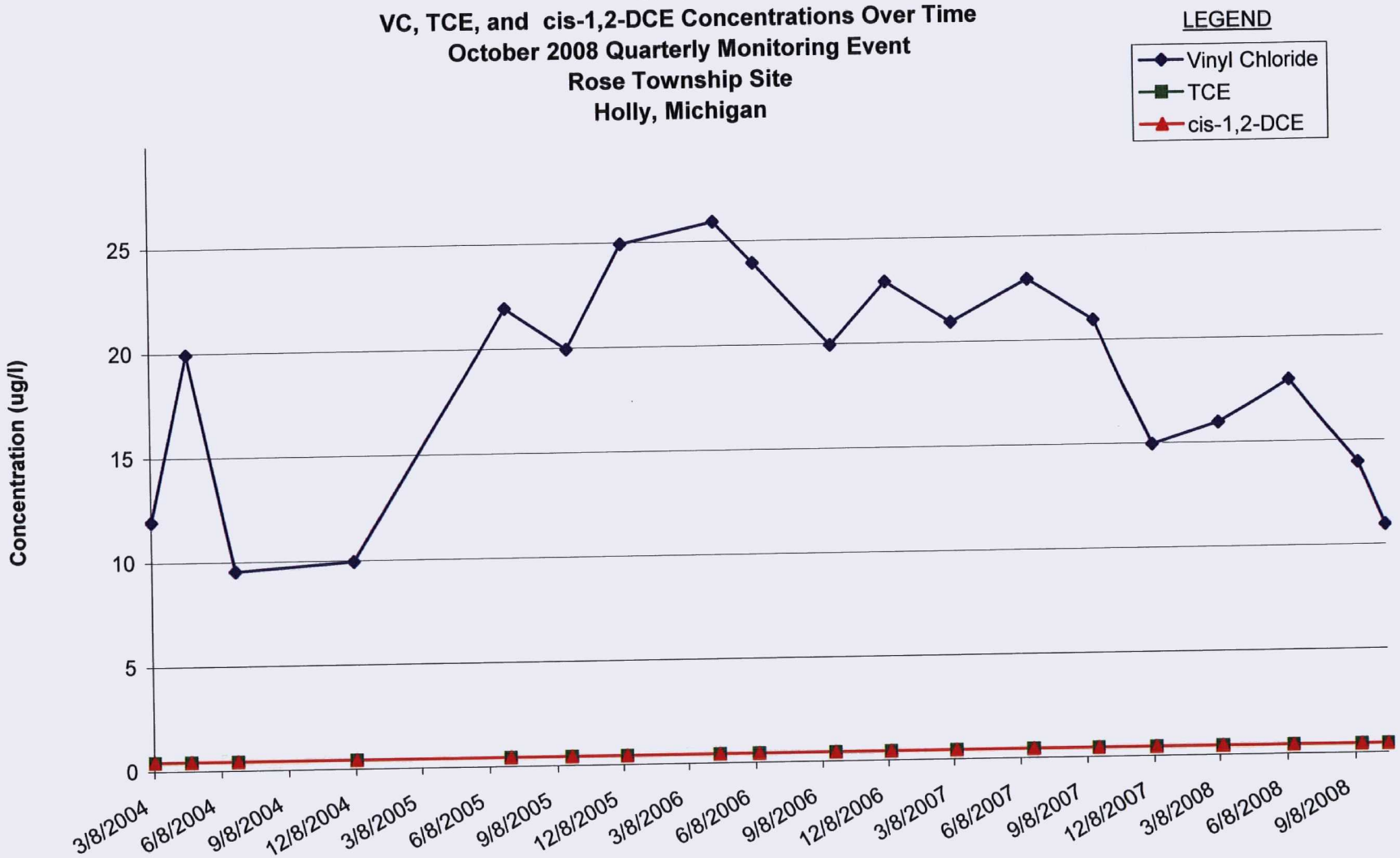


FIGURE 16
MW-2I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

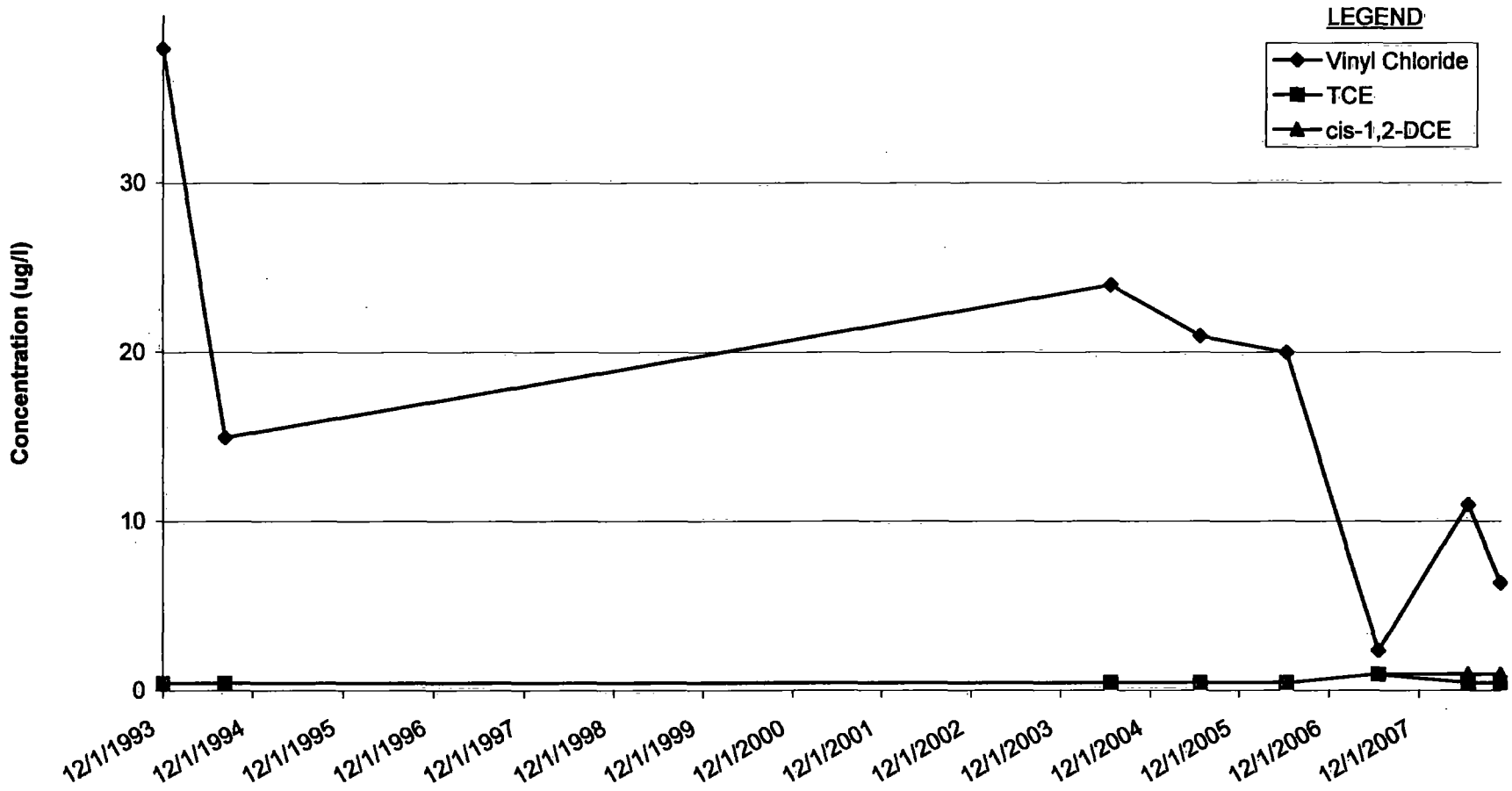


FIGURE 17
MW-3I
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

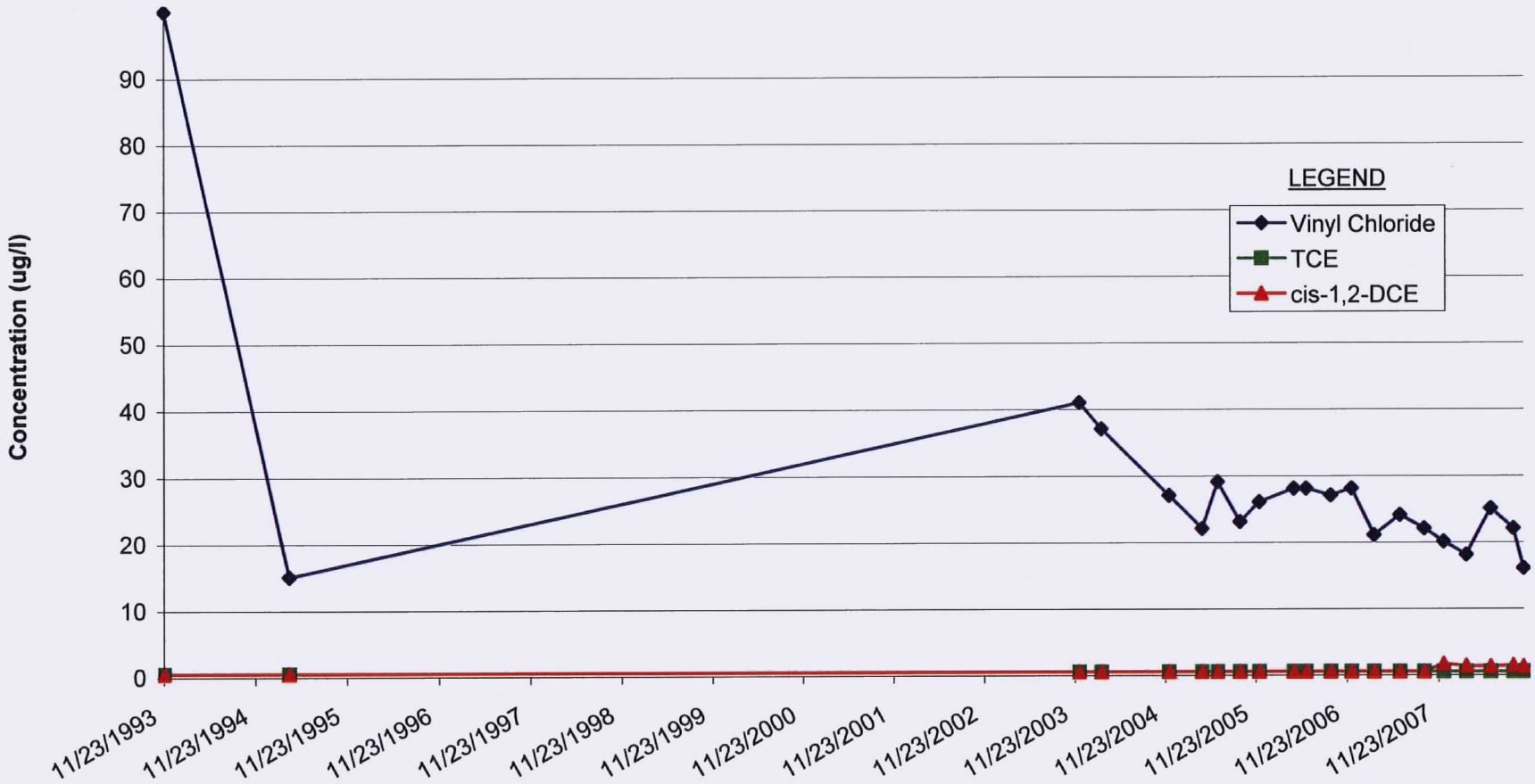


FIGURE 18
MW-103S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

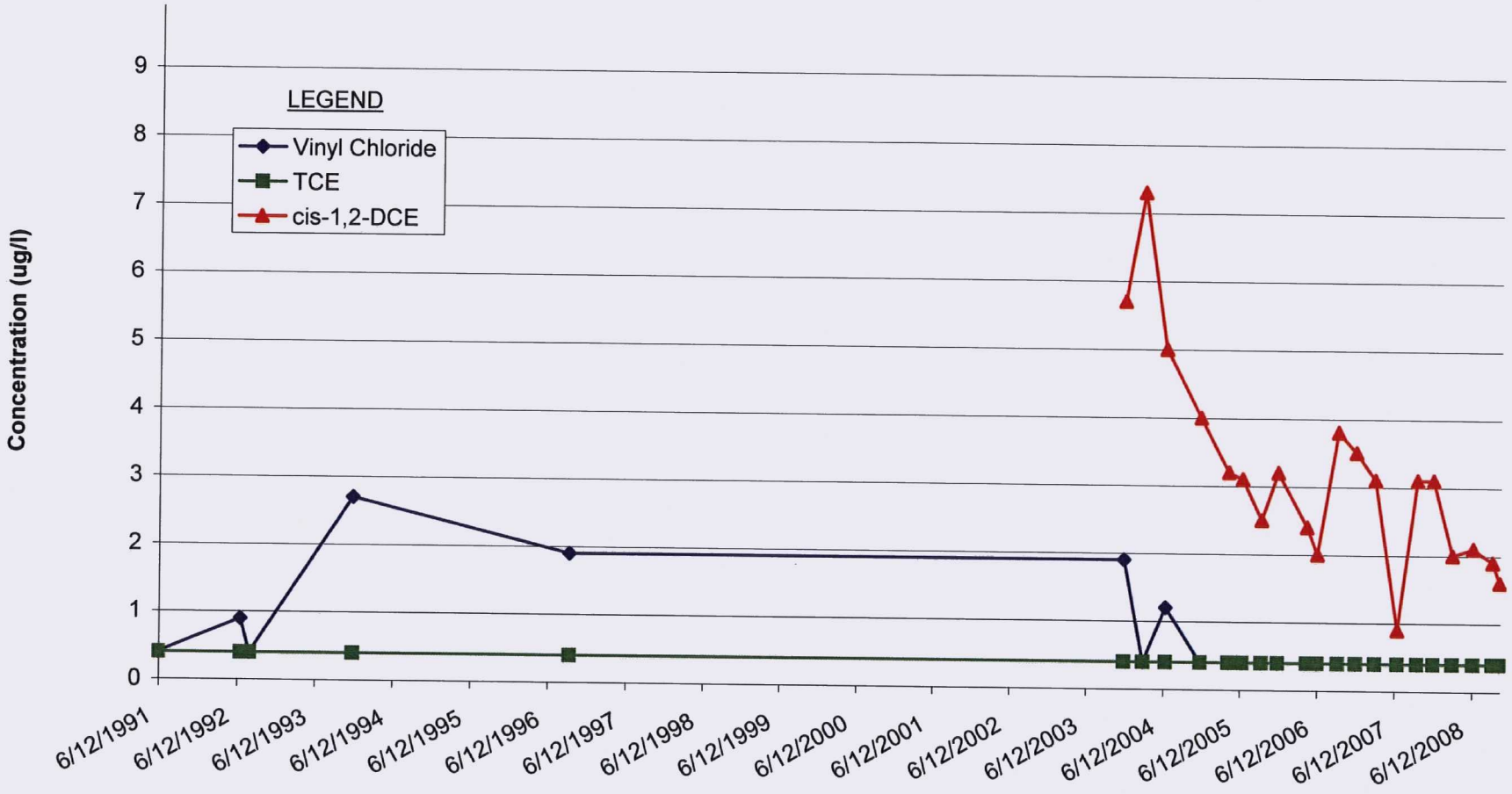


FIGURE 19
RW-1D
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

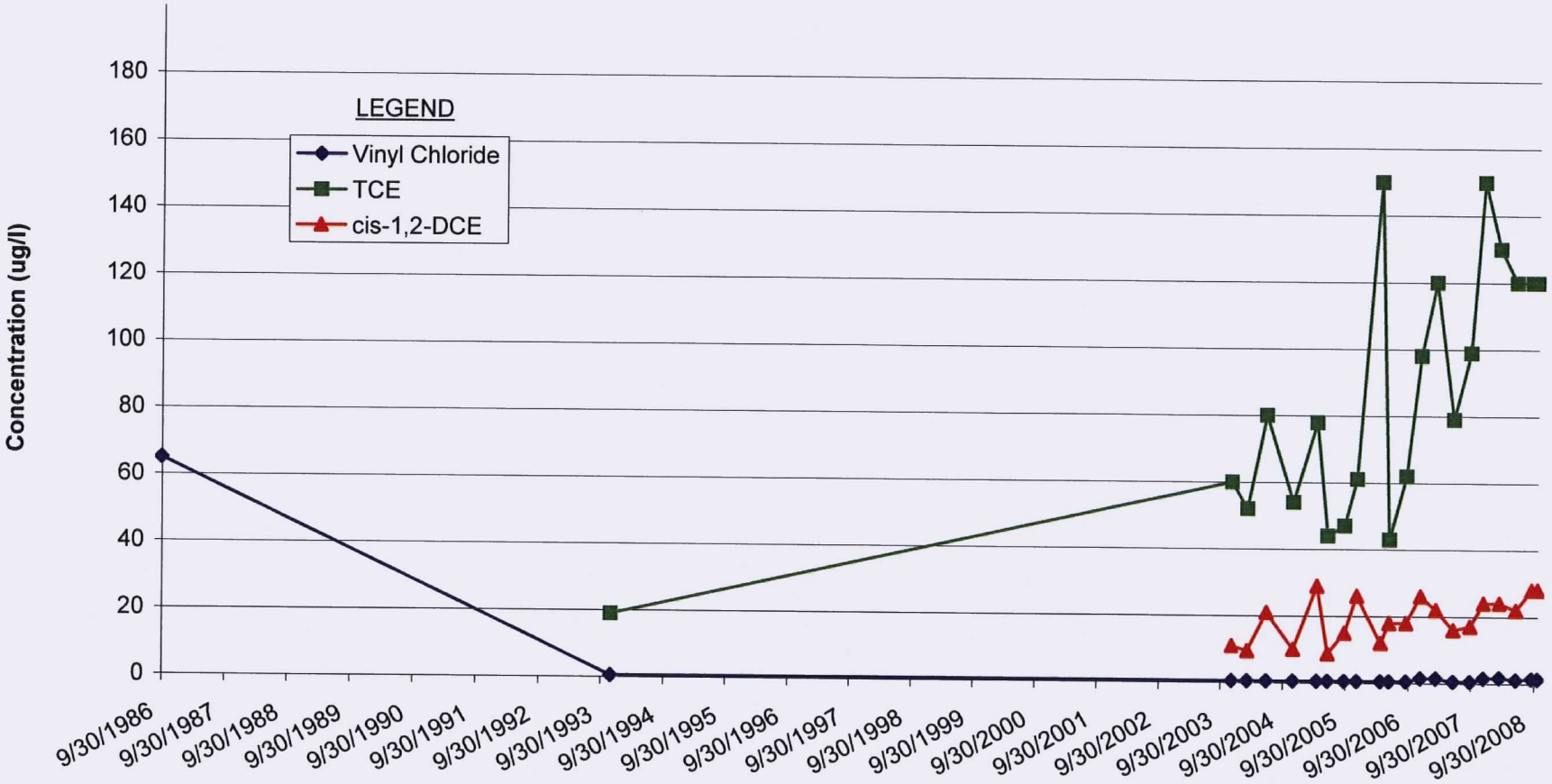


FIGURE 20
RW-5S
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

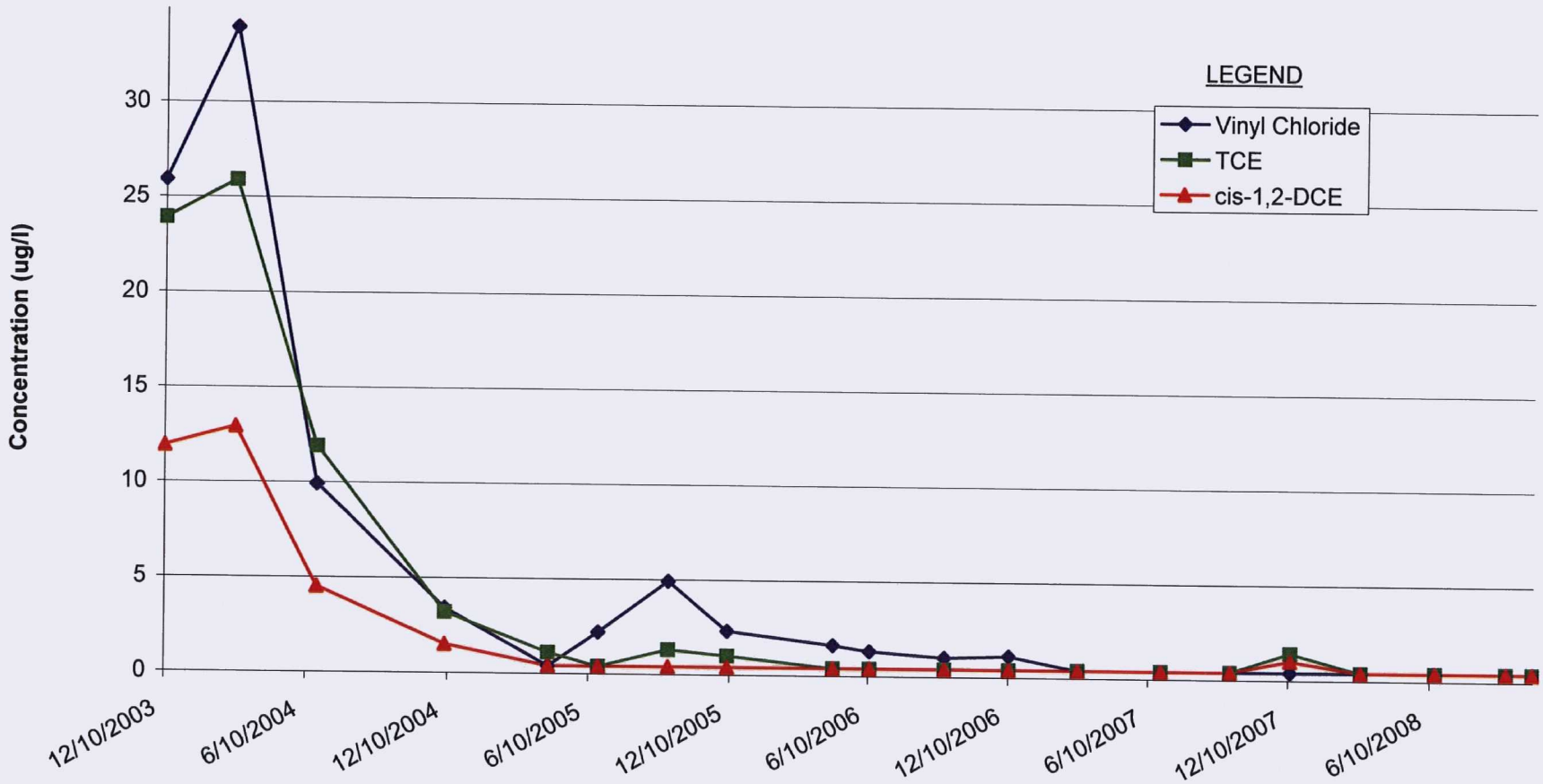


FIGURE 21
PW-1
VC, TCE and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

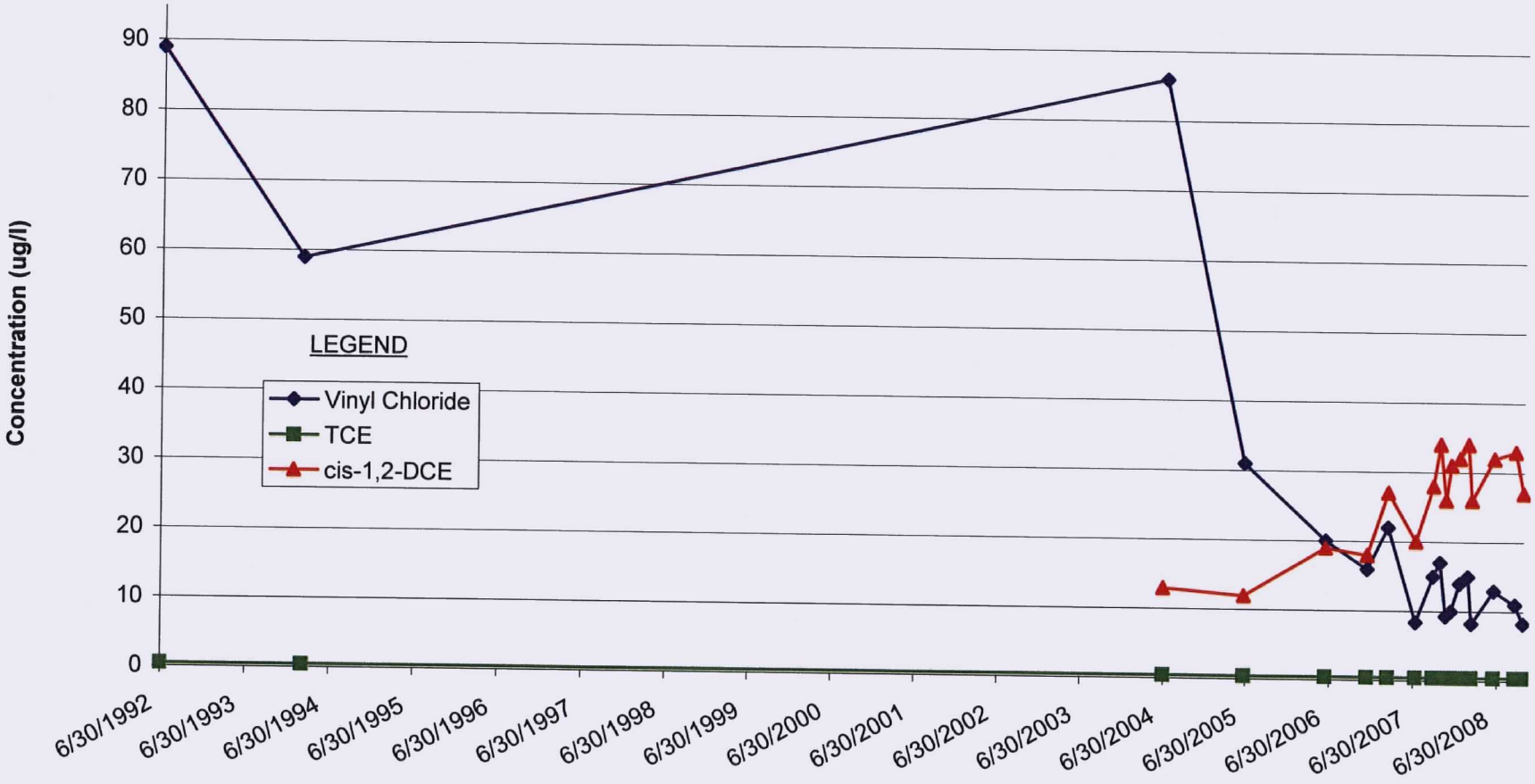


FIGURE 22
PW-3
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

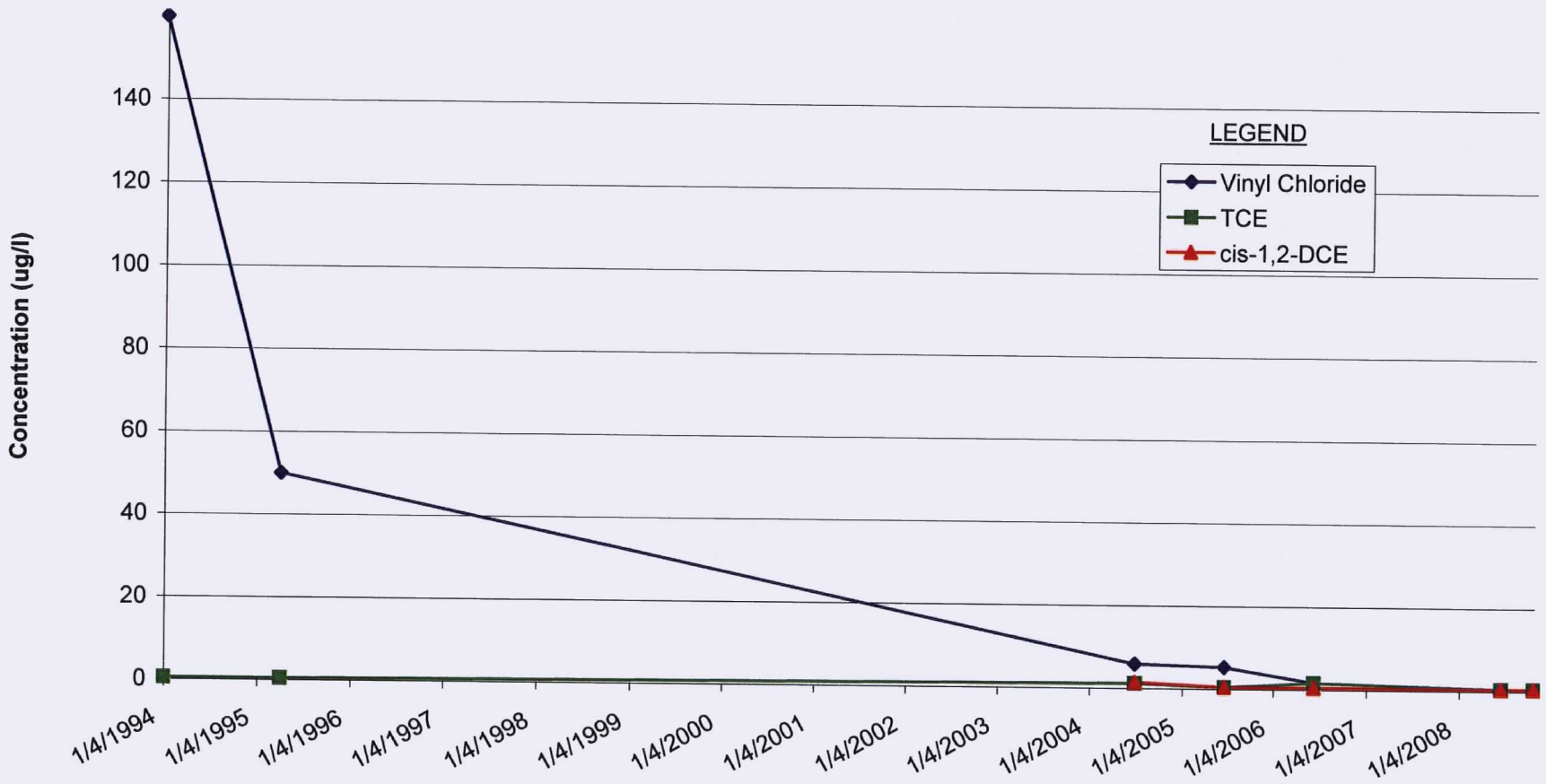


FIGURE 23
PW-4
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

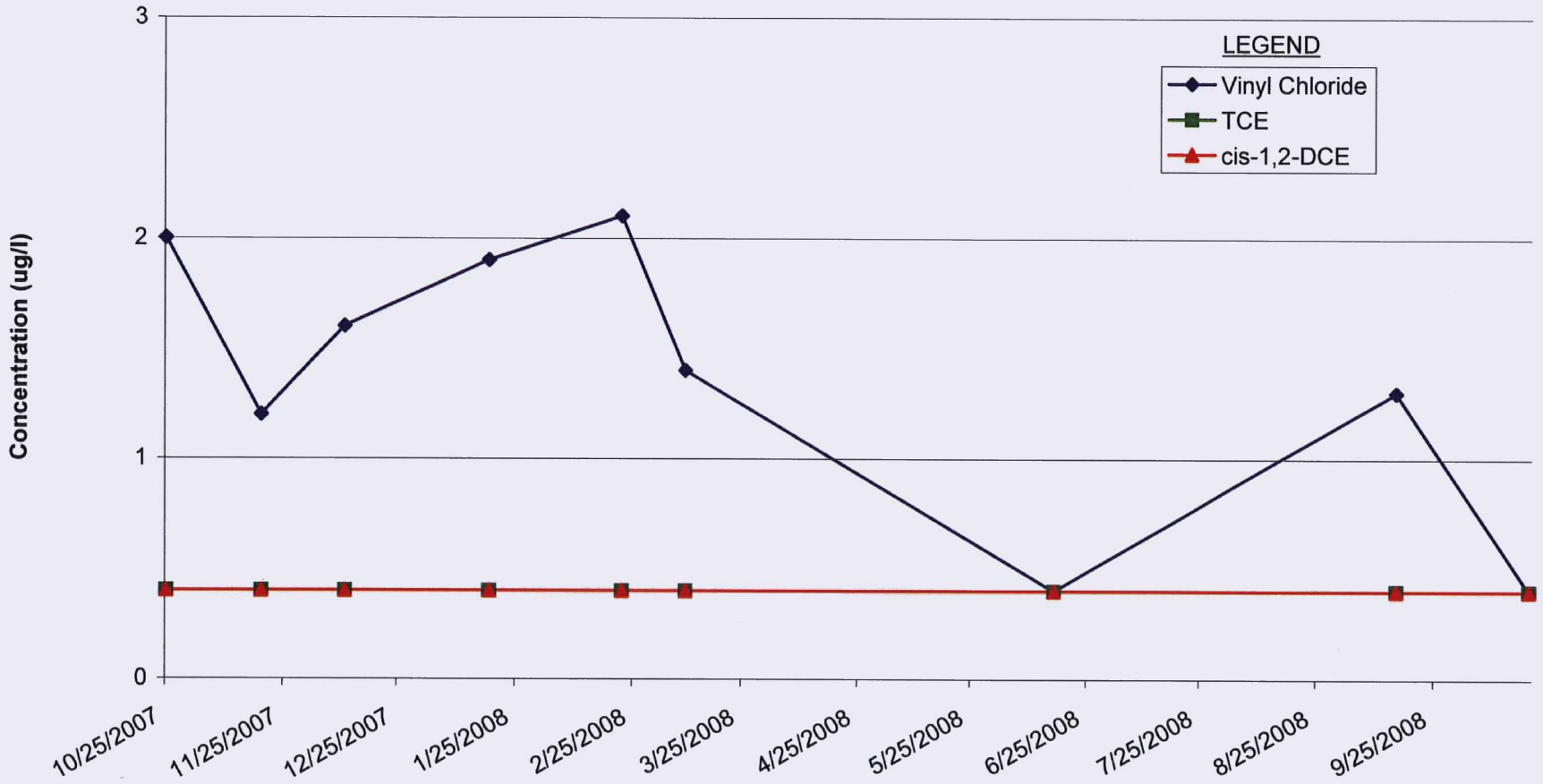


FIGURE 24
PW-6
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

FIGURE 25
PW-7
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan

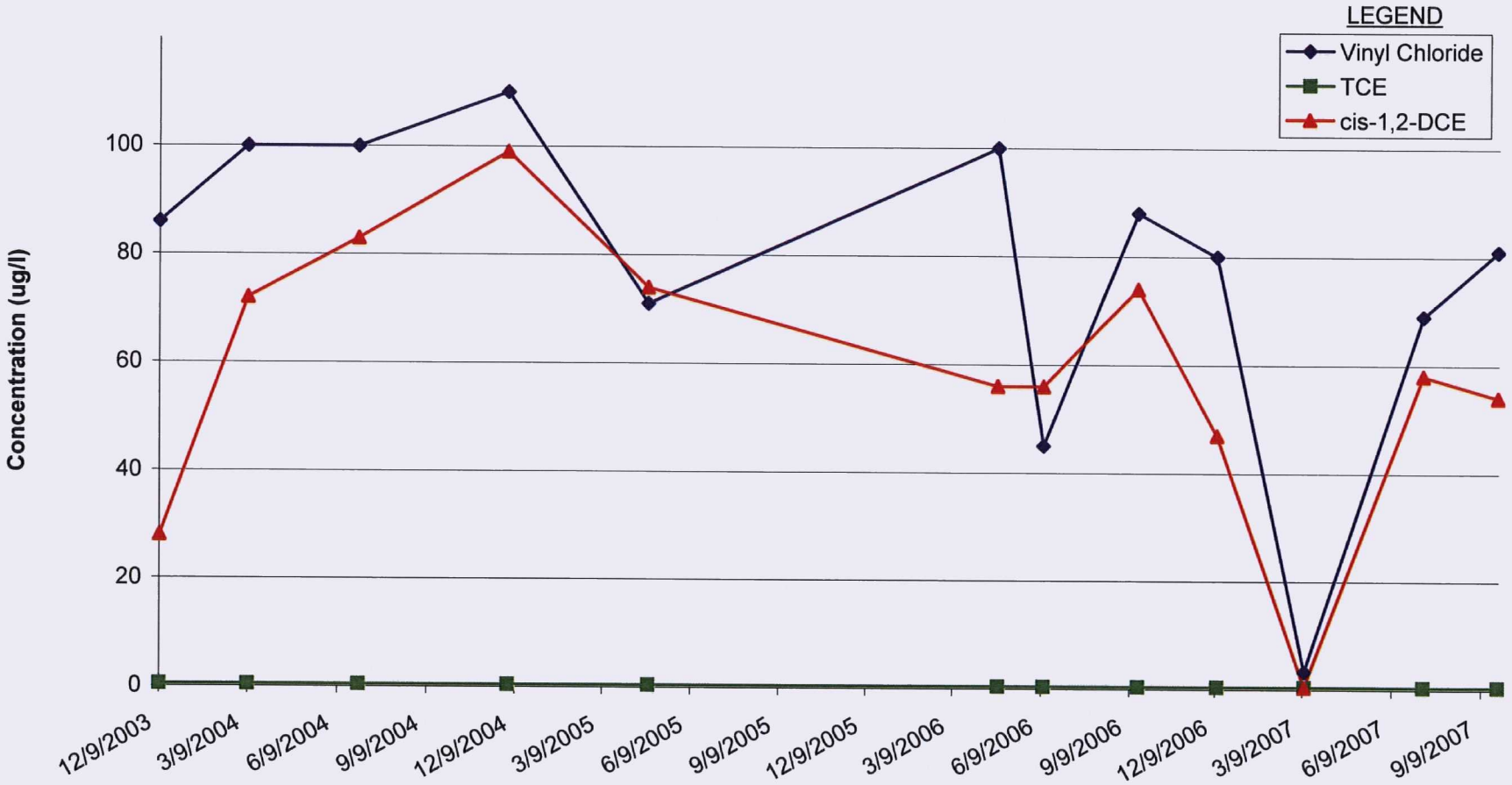
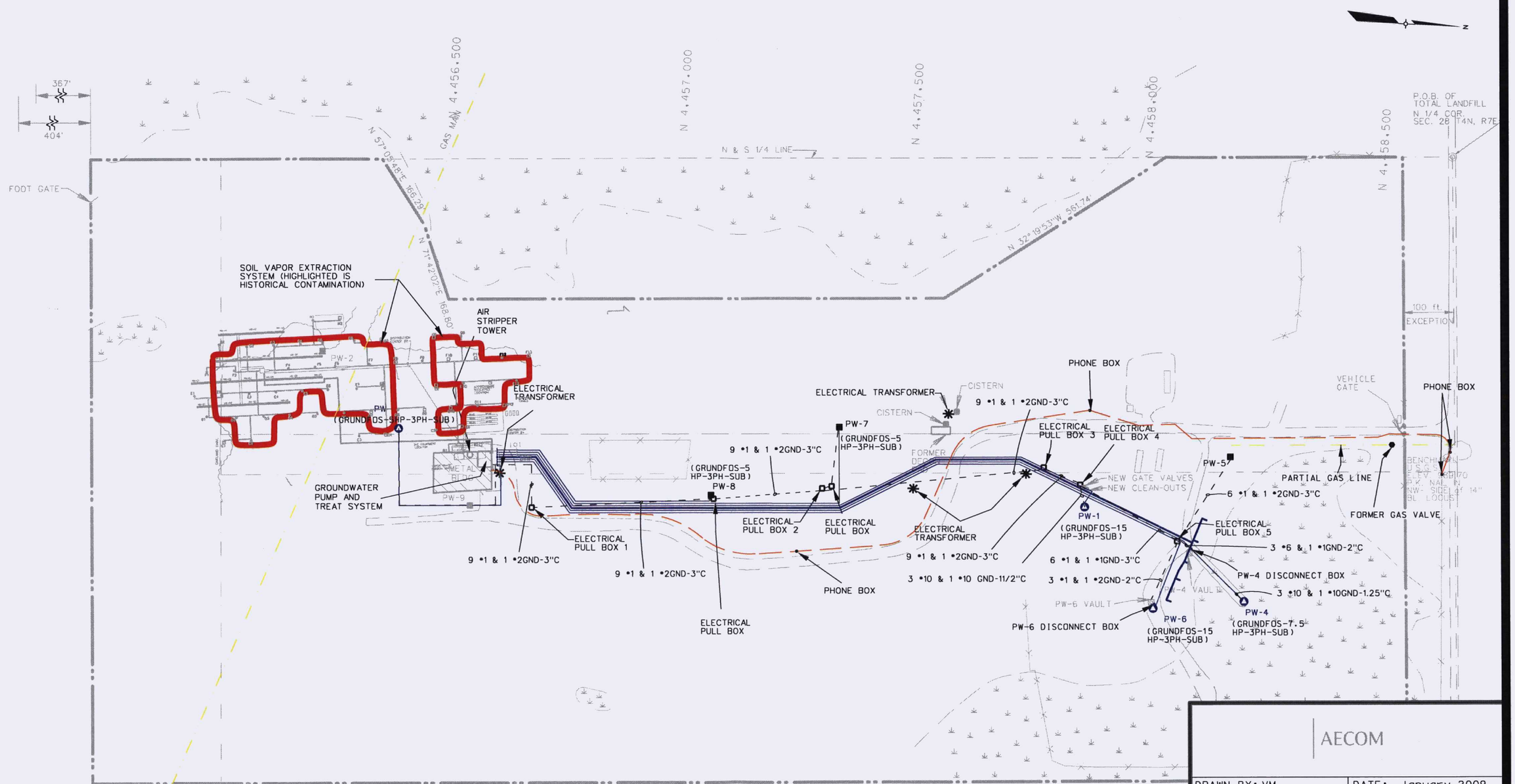


FIGURE 26
PW-8
VC, TCE, and cis-1,2-DCE Concentrations Over Time
October 2008 Quarterly Monitoring Event
Rose Township Site
Holly, Michigan



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

AECOM

DRAWN BY: VM	DATE: January 2009
CHECKED BY:	EDITED BY: SC012309
FILE NAME: 106686_Q4_2008_Fig27.dwg	

FIGURE 27

SVE AND GROUNDWATER SYSTEMS LOCATION MAP

ROSE TOWNSHIP
HOLLY, MICHIGAN

PROJECT NUMBER 106686	SCALE: NTS

Tables

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

Well ID	Northing	Easting	Top of Casing Elevation (ft. AMSL)	Ground Surface Elevation (ft. AMSL)	Screened Interval Screen Minimum Depth (ft. BGS)	Screened Interval Screen Maximum Depth (ft. BGS)	Screen Length (feet)	Screened Interval Screen Minimum Depth (ft. AMSL)	Screened Interval Screen Maximum Depth (ft. AMSL)	Total Depth (ft. BGS)	Total Depth (ft. AMSL)	Flowing Well	October 17, 2008 Water Level Measurement (ft ATOC)	October 17, 2008 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	2.53	1003.18
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	6.07	1003.40
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	11.80	993.00
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	11.96	993.29
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	-0.15	978.35
DNR-5	446988.03	13320380.71	998.14	1001.70	97.0	99.0	2.0	904.7	902.7	99.0	902.7	Yes	-2.01	996.13
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	-65.09	931.49
DNR-7	446708.57	13320500.96	1031.85	1032.20	79.0	81.0	2.0	953.2	951.2	81.0	951.2	No	-36.13	995.72
GW-1S	447405.64	13320473.72	980.33	977.70	NA	NA	NA	NA	NA	NA	NA	Yes	NM†	
GW-1I	447402.39	13320468.56	979.91	976.91	91.0	96.0	5.0	885.9	880.9	96.0	880.9	Yes	14.15	994.06
GW-1D	447416.34	13320470.01	980.48	977.73	122.0	127.0	5.0	855.7	850.7	127.0	850.7	Yes	15.12	995.60
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	4.06	995.19
GW-3D	446734.78	13320830.55	990.60	988.60	98.0	103.0	5.0	890.6	885.6	103.0	885.6	Yes	4.40	995.00
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	15.66	993.01
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	11.80	989.07
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	-4.03	979.86
GW-5I	446933.48	13320734.62	984.53	982.57	70.0	75.0	5.0	912.6	907.6	75.0	907.6	Yes	6.43	990.96
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	-0.39	984.27
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	4.45	986.87
GW-6I	447048.80	13320585.72	982.43	979.89	73.0	78.0	5.0	906.9	901.9	78.0	901.9	Yes	0.00	982.43
GW-6D	447043.97	13320590.86	982.09	979.84	92.0	97.0	5.0	887.8	882.8	97.0	882.8	Yes	11.31	993.40
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	-25.74	999.46
GW-7I	446802.93	13320309.59	1025.24	1022.95	69.5	74.5	5.0	953.5	948.5	74.5	948.5	No	-28.90	996.34
GW-8S	446703.98	13320502.98	1031.99	1029.66	36.0	41.0	5.0	993.7	988.7	41.0	988.7	No	-35.00	996.99
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	-36.98	1001.35
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	2.96	992.66
GW-10I	447122.52	13320399.72	989.58	986.87	98.0	103.0	5.0	888.9	883.9	103.0	883.9	Yes	5.54	995.12
GW-10D	447119.94	13320403.80	989.50	986.67	120.0	125.0	5.0	866.7	861.7	125.0	861.7	Yes	6.09	995.59
GW-11S	446409.53	13320733.82	1030.19	1027.69	46.5	51.5	5.0	981.2	976.2	51.5	976.2	No	-31.64	998.55
GW-11I	446402.35	13320728.06	1030.29	1027.83	135.0	140.0	5.0	892.8	887.8	140.0	887.8	No	-31.25	999.04
GW-11D	446404.83	13320734.18	1030.05	1027.51	183.0	188.0	5.0	844.5	839.5	188.0	839.5	No	-25.94	1004.11
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	-29.93	1001.19
GW-12I	445997.47	13320748.12	1030.52	1027.64	138.0	143.0	5.0	889.6	884.6	143.0	884.6	No	-29.61	1000.91
GW-12D	446004.63	13320753.73	1031.01	1028.13	191.0	196.0	5.0	837.1	832.1	196.0	832.1	No	-26.75	1004.26
GW-13S	446998.74	13320264.22	1009.84	1006.96	75.0	80.0	5.0	932.0	927.0	80.0	927.0	No	-14.69	995.15
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	-13.60	996.52
GW-13D	446996.88	13320273.21	1009.60	1006.72	120.0	125.0	5.0	886.7	881.7	140.0	866.7	No	-13.18	996.42
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	6.65	996.73
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	10.31	996.16
GW-16	444967.05	13320229.71	1016.58	1013.75	44.5	49.5	5.0	969.3	964.3	49.5	964.3	No	-14.42	1002.16
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	Damaged	
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	10.73	992.69
GW-18	446978.96	13320752.94	984.16	980.80	91.5	96.5	5.0	889.3	884.3	96.5	884.3	Yes	7.61	991.77
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	15.52	992.75
GW-19D	447312.59	13321070.45	977.23	973.16	113.0	118.0	5.0	860.2	855.2	118.0	855.2	Yes	11.55	988.78
GW-20I	447127.35	13321077.00	979.86	976.11	85.0	90.0	5.0	891.1	886.1	90.0	886.1	Yes	13.03	992.89
GW-20D	446889.51	13321077.25	979.83	976.26	117.0	122.0	5.0	859.3	854.3	122.0	854.3	Yes	12.38	992.21
GW-21S	446889.33	13321084.88	981.02	978.40	60.0	65.0	5.0	918.4	913.4	65.0	913.4	Yes	11.33	992.35
GW-21D	446889.51	13321089.69	980.84	977.78	107.0	112.0	5.0	870.8	865.8	112.0	865.8	Yes	12.22	993.06
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	-22.30	979.59
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	-19.21	982.65
GW-22D	447509.01	13321719.40	1000.69	1001.40	163.0	168.0	5.0	838.4	833.4	168.0	833.4	No	-10.51	990.18
GW-23S	447304.09	13321777.45	989.23	989.40	41.0	46.0	5.0	948.4	943.4	46.0	943.4	No	-6.64	982.59
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	-7.17	982.62
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	-5.15	983.39
GW-24I	447672.77	13321619.46	988.51	985.60	121.0	126.0	5.0	864.6	859.6	126.0	859.6	No	-5.95	982.56
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	-1.76	987.02
GW-25I	447571.27	13321581.05	983.53	983.79	74.0	79.0	5.0	909.8	904.8	79.0	904.8	No	-0.68	982.85
GW-25D	447562.48	13321586.79	984.52	983.99	121.0	126.0	5.0	863.0	858.0	126.0	858.0	No	-0.86	983.66
GW-26I	447590.03	13321866.04	994.15	994.56	67.0	72.0	5.0	927.6	922.6	72.0	922.6	No	-13.85	980.30
GW-26D	447584.49	13321877.05	993.40	993.78	126.0	131.0	5.0	867.8	862.8	131.0	862.8	No	-10.84	982.56
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	-26.04	1001.72
GW-28I	445610.35	13320274.96	1027.45	1024.20	58.0	63.0	5.0	966.2	961.2	63.0	961.2	No	-25.80	1001.65
GW-28D	445610.65	13320274.96	1027.44	1024.20	68.0	73.0	5.0	956.2	951.2	73.0	951.2	No	-25.81	1001.63
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	-21.91	1001.52
GW-30	445471.28	13320345.94	1032.06	1028.94	32.0	37.0	5.0	996.9	991.9	37.0	991.9	No	-30.33	1001.73
GW-31	445372.41	13320303.36	1031.57	1028.59	29.0	34.0	5.0	999.6	994.6	34.0	994.6	No	-29.78	1001.79
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	-23.21	1001.74
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	-26.30	1001.75
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	-26.29	1001.72
GW-34S	445529.47	13320313.14	1028.27	1026.20	27.0	32.0	5.0	999.2	994.2	32.0	994.2	No	-26.53	1001.74
GW-34I	445529.47	13320313.14	1028.16	1026.20	65.0	70.0	5.0	961.2	956.2	70.0	956.2	No	-26.44	1001.72
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	-24.39	1001.74
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	-24.36	1001.74
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	-27.24	1001.73
GW-36I	445537.13	13320324.61	1028.96	1026.83	65.0	70.0	5.0	961.8	956.8	70.0	956.8	No	-27.25	1001.71
GW-37S	445546.31	13320300.42	1027.18	1025.10	35.0	40.0	5.0	990.1	985.1	40.0	985.1	No	-25.45	1001.73
GW-37I	445546.31	13320300.42	1027.04	1025.10	65.0	70.0	5.0	960.1	955.1	70.0	955.1	No	-25.34	1001.70
GW-38	445518.58	13320286.16	1026.28	1024.36	26.0	31.0	5.0	998.4	993.4	31.0	993.4	No	-24.53	1001.75
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	-23.40	1001.73
GW-40S	445605.81	13320305.09	1028.43	1025.69	30.0	35.0	5.0	995.7	990.7	35.0	990.7	No	-26.74	1001.69
GW-40I	445605.81	13320305.09	1028.31	1025.69	66.0	71.0	5.0	959.7	954.7	71.0	954.7	No	-26.62	1001.69
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	-26.37	1001.64
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	-26.41	1001.55
MW-2S	445804.80	13320478.38	1023.64	1022.06	19.0	24.0	5.0	1003.1	998.1	24.0	998.1	No	-21.90	1001.74
MW-2I	445808.79	13320475.45	1024.22	1021.92	58.0	63.0	5.0	963.9	958.9	63.0	958.9	No	-22.80	1001.42
MW-2D	445809.57	13320479.78	1024.06	1021.99	97.0	102.0	5.0	925.0	920.0	102.0	920.0	No	-22.64	1001.42
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	-30.96	998.98
MW-3D	446213.49	13320381.94	1030.06	1027.96	124.0	129.0	5.0	904.0	899.0	129.0	899.0	No	-31.13	998.93
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	-5.08	997.95

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

Well ID	Northing	Easting	Top of Casing Elevation (ft. AMSL)	Ground Surface 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	October 17, 2008 Water Level Measurement (ft ATOC)	October 17, 2008 Head Elevation (ft AMSL)
MW101-D	446998.14	13319973.18	1004.49	1001.35	87.0	92.0	5.0	914.4	909.4	92.0	909.4	No	-6.46	998.03
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	-14.09	995.28
MW102-D	446842.77	13320518.72	1010.77	1008.48	111.5	116.5	5.0	897.0	892.0	116.5	892.0	No	-15.58	995.19
MW103-S	446383.27	13320544.02	1038.10	1036.18	93.0	98.0	5.0	943.2	938.2	98.0	938.2	No	-39.96	998.14
MW104-S	446164.83	13320701.00	1037.38	1034.42	37.0	39.0	2.0	997.4	995.4	39.0	995.4	No	-36.29	1001.09
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	-35.94	1001.11
MW105-S	446112.57	13320151.84	1007.08	1003.70	25.0	30.0	5.0	978.7	973.7	30.0	973.7	No	-6.55	1000.53
MW105-I	446102.22	13320160.52	1008.95	1006.20	40.0	45.0	5.0	966.2	961.2	45.0	961.2	No	-8.92	1000.03
MW105-D	446121.94	13320176.55	1008.74	1005.99	90.0	100.0	10.0	916.0	906.0	100.0	906.0	No	-10.08	998.66
MW-106-D	445808.57	13320279.68	1020.06	1017.39	90.0	95.0	5.0	927.4	922.4	95.0	922.4	No	-18.86	1001.20
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	6.96	1003.45
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	6.62	1001.96
MW108-I	445453.13	13320783.82	1052.51	1049.80	60.0	65.0	5.0	989.8	984.8	65.0	984.8	No	-50.61	1001.90
MW108-D	445460.68	13320811.77	1051.24	1048.49	76.0	78.0	2.0	972.5	970.5	78.0	970.5	No	-49.38	1001.86
MW109-D	444977.98	13320912.96	1046.69	1044.02	144.0	149.0	5.0	900.0	895.0	149.0	895.0	No	-44.24	1002.45
MW110-S	444435.24	13320447.67	1014.42	1011.00	47.0	49.0	2.0	964.0	962.0	49.0	962.0	No	-9.07	1005.35
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	-8.78	1005.00
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	-7.96	1005.50
MW-111-I	444233.00	13319687.50	1011.83	1008.70	70.0	75.0	5.0	938.7	933.7	75.0	933.7	No	-5.96	1005.87
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	-32.69	982.57
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	-23.75	1001.96
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	-41.55	994.87
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	NM	
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	-38.85	999.86
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	-42.79	1001.75
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	-18.51	1001.43
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	-18.25	1001.28
RW-2	445567.73	13320631.06	1050.02	1046.35	45.0	48.0	3.0	1001.4	998.4	48.0	998.4	No	-48.25	1001.77
RW-3	445227.94	13320641.44	1052.52	1050.17	54.0	57.0	3.0	996.2	993.2	57.0	993.2	No	Destroyed	
RW-4	445432.81	13320232.98	1023.66	1023.43	29.0	32.0	3.0	994.4	991.4	32.0	991.4	No	-21.87	1001.79
RW-5S	445386.38	13320451.25	1039.78	1037.50	47.0	50.0	3.0	990.5	987.5	50.0	987.5	No	-38.12	1001.66
RW-5D	445387.01	13320453.46	1039.21	1037.15	60.0	65.0	5.0	977.1	972.1	65.0	972.1	No	-37.47	1001.74
RW-6	444918.80	13320457.14	1026.42	1023.59	31.0	34.0	3.0	992.6	989.6	34.0	989.6	No	-24.15	1002.27
RW-6D	444917.67	13320452.43	1026.98	1023.48	66.0	69.0	3.0	957.5	954.5	69.0	954.5	No	-24.76	1002.22
RW-7	445120.68	13320242.82	1022.74	1020.11	13.5	18.5	5.0	1006.6	1001.6	18.5	1001.6	No	Dry	
RW-8	445233.79	13320192.70	1023.06	1020.31	37.0	40.0	3.0	983.3	980.3	40.0	980.3	No	-21.16	1001.90
RW-8D	445237.45	13320191.79	1022.20	1020.45	70.0	73.0	3.0	950.5	947.5	73.0	947.5	No	-20.28	1001.92
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	-8.21	991.78
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	-10.20	1012.93
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	-28.63	1006.41
RW-12	444963.45	13320929.00	1046.84	1044.01	44.0	47.0	3.0	1000.0	997.0	47.0	997.0	No	-44.52	1002.32
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	-15.10	995.67
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	-31.81	999.93
RW-15	445450.12	13320805.75	1051.04	1047.75	51.0	53.0	2.0	996.8	994.8	53.0	994.8	No	-49.21	1001.83
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	-9.90	1001.53
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	-12.23	1004.53
RW-18	447006.83	13319977.71	1010.78	1006.45	30.5	33.5	3.0	976.0	973.0	33.5	973.0	No	-6.64	1004.14
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	-20.61	1007.83
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 October 20 through October 29, 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-3	DNR-4D	DNR-5	DNR-5 Duplicate	DNR-7	GW-1I	GW-3I	GW-4D	GW-5D	GW-5I	GW-6D	GW-6I	GW-12I	GW-16	GW-16 Duplicate	GW-17D
Benzene	1.5	0.133	5	5	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	---	---	---	800	ID	1,200,000	<5.0	<5.0	<5.0	<5.0	<5.0	<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	**31**	<1.0	<1.0	<1.0	<1.0	**4.2**	<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	**10**	<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	**140**	<1.0	<1.0	<1.0	**32**	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	2,000	2,000	1,000	790	140	530,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	**29**	<1.0	<1.0	<1.0	**1.6**	<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	<1.0	<1.0	**79**	<1.0	<1.0	<1.0	**2.3**	**41**	<1.0	<1.0	<1.0	<1.0	<1.0	**8.7**
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.
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Table 2
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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-17D Duplicate	GW-17I	GW-18	GW-19D	GW-19S	GW-20D	GW-20I	GW-20I Duplicate	GW-21D	GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I	GW-23S	GW-24D
Benzene	1.5	0.133	5	5	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon Disulfide	---	---	---	800	ID	1,200,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	---	---	---	430	ID	440,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	---	---	---	260	ID	490,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	---	---	---	880	740	2,400,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	---	---	7.0	7.0	65	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	---	---	70	70	620	200,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	2,000	2,000	1,000	790	140	530,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	**8.6**	<1.0	**9.7**	<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
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.
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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	GW-24I	GW-25D	GW-25I	GW-26D	GW-26I	GW-28D	GW-28I	GW-29	MW-2I	MW-3I	MW-102D	MW-103S	MW-107I	MW-108D	MW-109D	PW-1	PW-3
Benzene	1.5	0.133	5	5	200	11,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.7	4.8	4.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3
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	5.3	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	42
Chloroethane	---	---	---	430	ID	440,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.6	<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	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	<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	110	15	2.9	<1.0	1.2	<1.0	1.7	<1.0	<1.0	<1.0	27	<1.0
Ethylbenzene	680	680	700	74	18	170,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	13	8.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	6.8
Toluene	2,000	2,000	1,000	790	140	530,000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	23
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	67	56	26	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	4.4	<1.0
Trichloroethene	1.5	0.627	5.0	5.0	200	22,000	<1.0	<1.0	<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
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	<1.0	<1.0	<1.0	<1.0	97	200	250	6.4	16	<1.0	<1.0	<1.0	<1.0	<1.0	8.3	<1.0
Xylenes (Total)	440	440	10,000	280	35	130,000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	10	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	14

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 2
Summary of VOC Analytical Results in Groundwater Samples
Rose Township Demode Road Site
Holly, Michigan
Samples Collected October 20 through October 29, 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	PW-4	PW-6	PW-8	PW-9	RW-1	RW-1D	RW-2	RW-5S	RW-5S Duplicate
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
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
Chlorobenzene	60	60	100	100	47	86,000	<1.0	<1.0	<1.0	<1.0	**32**	<1.0	<1.0	**4.3**	**4.4**
Chloroethane	---	---	---	430	ID	440,000	<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
1,1-Dichloroethane	---	---	---	880	740	2,400,000	<1.0	<1.0	<1.0	<1.0	**3.0**	<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
cis-1,2-Dichloroethene	---	---	70	70	620	200,000	<1.0	**11**	<1.0	<1.0	**3.6**	**28**	<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
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
trans-1,2-Dichloroethene	---	---	100	100	1500	220,000	<1.0	<1.0	<1.0	<1.0	<1.0	**76**	<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	**1.2**	**120**	<1.0	<1.0	<1.0
Vinyl Chloride	1.0	0.003	2.0	2.0	15	1,000	<1.0	**6.6**	**1.3**	<1.0	<1.0	**1.4**	<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

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
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µg/L - Micrograms per liter.
--- - No standard available.
160 - Shading indicates an exceedance of one or more criteria (ROD Target Cleanup Levels, MCLs, MDEQ Part 201).

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

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	cis-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	trans-1,2-Dichloro-ethene	Xylenes (Total)
DNR-1	9/22/1986	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	--	--	--	ND	--	ND	--	6.0	ND	ND	ND	ND	ND
DNR-1	6/13/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-1	12/10/1993	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-1	4/6/1995	1.0	1.0	--	1.0	ND	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	1.0	--	1.0	--	--	1.0	--	3.0
DNR-1	12/11/2003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND
DNR-1	3/9/2004	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	6/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	9/26/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DNR-1	12/8/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	4/17/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	6/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	9/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1 (Dup)	12/12/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	3/14/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	9/27/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	12/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	3/12/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<4.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-1	6/16/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
DNR-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-1	10/20/2008	<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
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	8/13/1991	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	12/8/1993	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-3	10/22/2008	<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	9/23/1986	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-4D	10/28/2008	<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

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-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
DNR-5	10/28/2008	<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-5 (Dup)	10/28/2008	<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-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	230	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
DNR-6	6/30/1992	160	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	8/23/2008	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	6.5	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	7.0	<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	38	<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	<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	<10	<5.0	<1.0	<10	<1.0	11	<3.0
DNR-7	9/26/2007	150	<1.0	86	<1.0	<1.0	<1.0	<1.0	7.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	8.9	<1.0	<1.0	<10	<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	2.3	<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	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	8.7	<1.0	<1.0	3.0	<5.0	<1.0	<10	<1.0	22	<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
DNR-7	10/20/2008	79	<1.0	140	<1.0	<1.0	<1.0	<1.0	10	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	31	<1.0	<1.0	10	<5.0	<1.0	<10	<1.0	29	<3.0
GW-1	6/13/1991	ND	ND	--	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	ND	--	ND
GW-1	8/30/1992	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-1I	10/28/2008	<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-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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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-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-3I	10/22/2008	<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	1.5	<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-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	4/28/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-4D	3/9/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-4D	3/16/1994	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-4D	10/28/2008	<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	6.7	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	1.8	4	<3.0
GW-5D	10/28/2008	2.3	<1.0	32	<1.0	<1.0	<1.0	<1.0	<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	1.6	<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 (Dup)	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	5.5	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	<4.0	<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	4.6	<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	4.6	<1.0	<1.0	<4.0	<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	12/11/2007	74	<1.0	1.5	<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	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-5I	10/22/2008	41	<1.0	1.5	<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	4.2	<1.0	<1.0	1.4	<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-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	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-6D (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	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

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-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	10/22/2008	<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-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
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	<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-6I	10/28/2008	<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-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	–	–	**62**	–	**60**
GW-7S	12/30/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-7S	4/6/1995	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-8S	1/6/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
GW-9S	1/3/1994	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	**4.2**	–	–	ND	–	ND
GW-12D	6/21/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
GW-12D	6/22/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-12I	6/22/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
GW-12I	6/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
GW-12I (Dup)	6/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
GW-12I	6/13/2006	<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	<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-12I	10/21/2008	<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-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-16	10/22/2008	<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 (Dup)	10/22/2008	<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-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	<4.0	<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	7/11/2007	**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	–	<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	**1.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	10/25/2007	**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	11/19/2007	**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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	12/11/2007	**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	**1.1**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	1/18/2008	**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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	2/22/2008	**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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	3/11/2008	**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	4/23/2008	**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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	6/20/2008	**11**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	7/14/2008	**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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D	8/6/2008	**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	–	<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-17D	10/22/2008	**8.7**	<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	**1.3**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17D (Dup)	10/22/2008	**8.6**	<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	**1.4**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	12/11/2003	**6.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
GW-17I	3/9/2004	**14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	**5.7**	ND	ND	ND	ND	ND	ND
GW-17I	6/30/2004	**10**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	12/8/2004	**6.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	4/27/2005	**6.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	4/27/2005	**6.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	7/6/2005	**6.5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I (Dup)	7/6/2005	**6.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-17I	9/22/2005	**24**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	–	ND	ND	ND	ND	ND
GW-17I	4/26/2006	**19**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	6/19/2006	**9.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	9/19/2006	**9.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0

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-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	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
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	10/25/2007	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
GW-17I	11/19/2007	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
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	1/18/2008	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	2/22/2008	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-17I	3/11/2008	<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	4/23/2008	<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	--	<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	7/14/2008	<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	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-17I	8/8/2008	<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-17I	10/22/2008	<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	1.1	<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	12/14/2006	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	7/11/2007	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	10/25/2007	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	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	11/19/2007	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-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	2/22/2008	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	<2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	3/11/2008	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 (Dup)	3/11/2008	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	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	4/23/2008	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	<1.0	<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	7/14/2008	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	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-18	8/8/2008	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	--	<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
GW-18	10/22/2008	9.7	<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	2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
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	12/3/2005	<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	3/10/2008	<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	5.78	<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 (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-19D (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-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-19D	10/23/2008	<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	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	6.6	<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

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-19S	12/14/2006	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)	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	3/10/2007	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	10/23/2008	<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	1.3	<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	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	<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 (Dup)	6/20/2006	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	1.5	<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	12/10/2007	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)	12/10/2007	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	3/10/2008	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	7/14/2008	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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20D	8/8/2008	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	–	<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-20D	10/23/2008	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	2.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	6/30/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-20I	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	3/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	6/25/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I (Dup)	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	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-20I	3/10/2008	<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	7/14/2008	<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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-20I	8/8/2008	<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-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
GW-20I	10/23/2008	<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 (Dup)	10/23/2008	<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	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	4/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	7/6/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	9/27/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-21D	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D (Dup)	12/12/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	4/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	6/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	9/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	12/14/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	3/13/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	9/24/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	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-21D	3/10/2008	<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	6.6B	<10	<1.0	<1.0	<3.0
GW-21D	6/23/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21D	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-21D	10/23/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-21S	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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

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

Sample Location	Date Sampled	Parameters																										
		Vinyl Chloride	Trichloro-ethene	cis-1,2-Dichloro-ethene	Benzene	Chloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	2-Butanone (MEK)	2-Hexanone	Acetone	Bromo-dichloro-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-ethane	Chloroform	Ethyl-benzene	Ethylene	Methylene Chloride	Tetra-chloro-ethene	Tetrahydro-furan	Toluene	trans-1,2-Dichloro-ethene	Xylenes (Total)
GW-21S	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	12/10/2007	<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-21S	3/10/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**5.3B**	<10	<1.0	<1.0	<3.0
GW-21S	6/23/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-21S	10/23/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	12/6/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	**1.9**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-22D	3/16/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	**6.0**	<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 (Dup)	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-22D	10/21/2008	<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-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	–	**6.7**	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	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-22I	6/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-22I	10/21/2008	<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	**1.1**	<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	9/18/2008	<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-22S	10/21/2008	<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-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	3/18/2007	<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	**1.4**	<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

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-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-23D	10/21/2008	<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	3.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23I	12/8/2004	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	3/16/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<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	9/18/2008	<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-23I	10/21/2008	<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	1.5	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/8/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	8.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	4/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	6/21/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	9/19/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GW-23S	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	12/5/2005	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	4/18/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	9/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/13/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	3/15/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/18/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S (Dup)	10/1/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	12/12/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	3/13/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-23S	6/17/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-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-23S	10/21/2008	<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	3/16/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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 (Dup)	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-24D	10/27/2008	<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	2.2	<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	9/27/2007	<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-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
GW-24I	10/27/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	4.4	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D (Dup)	4/20/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-25D	6/15/2008	<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)
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-25D	10/27/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	4.4	<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	3/13/2008	<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-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-25I	10/27/2008	<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-26D (Dup[1])	4/25/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	1.4	<1.0	<3.0
GW-26D	4/25/2006	<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	1.6	<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 (Dup)	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	2.5	<5.0	<1.0	<10	1.2	<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	12/13/2007	<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-26D	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-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-26D	10/27/2008	<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	2.6	<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	12/13/2007	<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-26I	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-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	9/18/2008	<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-26I	10/27/2008	<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-27	11/6/2007	62	47	44	1.7	77	<1.0	<1.0	2.5	1.9	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	1.4	100	7.9	<5.0	<1.0	<10	15	6.7	170
GW-27	3/20/2008	140	9.4	190	2.1	80	<1.0	<1.0	2.9	3.7	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	76	--	<5.0	<1.0	<10	6.4	24	26
GW-27	3/31/2008	120	40	300	<1.0	80	<1.0	<1.0	2.6	5.1	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	68	6.9	<5.0	<1.0	<10	<1.0	27	8.2
GW-27	5/28/2008	140	8.5	120	1.9	73	<1.0	<1.0	2.6	2.3	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	54	16	<5.0	<1.0	<10	1.4	15	6.9
GW-27	6/26/2008	77	1.3	13	1.6	45	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	43	14	<5.0	<1.0	<10	1.9	3.2	13
GW-28D	11/6/2007	16	140	83	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	1.4	<1.0	7.3	<5.0	<1.0	<10	<1.0	90	<3.0
GW-28D	10/29/2008	97	11	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	5.8	<5.0	<1.0	<10	<1.0	67	<3.0
GW-28I	11/6/2007	34	69	66	2	5.1	<1.0	<1.0	<1.0	3.2	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	13	14	<5.0	<1.0	<10	4	91	16
GW-28I	10/29/2008	200	<1.0	15	1.7	5.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	13	33	<5.0	<1.0	<10	2.3	56	10
GW-29	11/6/2007	48	12	14	1.9	7.7	<1.0	<1.0	<1.0	1.5	<1.0	<1.0	<25	<50	<25	3.8	<5.0	<1.0	<1.0	10	6.6	6.5	<5.0	<1.0	<10	4.6	38	5.2
GW-29	10/28/2008	250	<1.0	2.9	4.8	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	8.2	100	<5.0	<1.0	<10	2.5	26	<3.0
GW-30	11/7/2007	4	21	2.6	4	230	<2.0	<2.0	3.5	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	<2.0	2.2	2.2	--	<10	<2.0	<20	<2.0	<2.0	<6.0
GW-31	11/7/2007	7.4	<5.0	<5.0	8.5	910	<5.0	<5.0	6.2	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	20	--	<25	<5.0	<50	<5.0	<5.0	<15
GW-32	11/6/2007	<1.0	33	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	1.8	<1.0	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
GW-33I	1/24/2008	4.5	41	6.7	<1.0	4.6	<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	5.5	<1.0	<5.0	<1.0	<10	14	6.3	42
GW-33I	2/13/2008	5.5	63	12	<1.0	1.6	<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	--	<5.0	<1.0	22	2	9.5	<3.0
GW-33I	2/28/2008	5.2	27	35	<1.0	1.8	<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	2.1	<1.0	<5.0	<1.0	<10	4.6	5.1	13
GW-33I	3/13/2008	7.3	15	38	<1.0	1.5	<1.0	<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	--	<5.0	<1.0	<10	3.7	5.4	11
GW-33I	3/27/2008	8.8	17	37	<1.0	<1.0	<1.0	<1.0	<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	2.4	6	5.3
GW-33I	4/30/2008	25	<1.0	59	<1.0	<1.0	<1.0	<1.0	<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	2.4	6.5	4.2
GW-33I	5/28/2008	10	<1.0	55	<1.0	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	1.9	<1.0	<5.0	<1.0	<10	4.2	3.9	7.8
GW-33I	6/24/2008	72	<1.0	46	<1.0	2.2	<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	2.8	<100	<5.0	<1.0	<10	6.7	10	9.9
GW-33I	8/5/2008	35	<1.0	29	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	1	4.5	<3.0
GW-33I	9/24/2008	11	<1.0	26	<1.0	1.8	<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	2	--	<5.0	<1.0	<10	4.8	2	6.7
GW-33S	1/24/2008	480	<10	900	<10	460	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	330	35	<50	<10	<100	1,800	14	1,400
GW-33S	2/13/2008	500	<20	1,400	<20	680	<20	<20	<20	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	500	--	<100	<20	<200	3,100	23	2,100
GW-33S	3/5/2008	390	<20	1,800	21	900	<20	<20	30	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	570	310	<100	<20	<200	3,800	<20	2,700
GW-33S	3/20/2008	260	<25	1,100	<25	970	<25	<25	25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	750	--	<120	<25	<250	4,000	<25	3,100
GW-33S	3/31/2008	200	<50	1,400	<50	900	<50	<50	<50	<50	<50	<50	<1,200	<2,500	<1,200	<50	<250	<50	<50	<50	680	170	<250	<50	<500	3,500	<50	2,500

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-33S	4/29/2008	180	<50	2,100	<50	1,200	<50	<50	<50	<50	<50	<50	<1,200	<2,500	<1,200	<50	<250	<50	<50	<50	860	290	<250	<50	<500	6,000	<50	3,400
GW-33S	5/28/2008	88	<25	290	<25	740	<25	<25	<25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	550	4.5	<120	<25	<250	1,900	<25	1,700
GW-33S	6/24/2008	170	<25	770	<25	850	<25	<25	<25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	590	210	<120	<25	<250	2,900	<25	1,700
GW-33S	8/5/2008	380	<100	5,000	<100	1,100	<100	<100	<100	<100	<100	<100	<2,500	<5,000	<2,500	<100	<500	<100	<100	<100	550	–	<500	<100	<1,000	8,200	<100	3,400
GW-33S	9/24/2008	170	<25	610	<25	820	<25	<25	<25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	580	–	<120	<25	<250	3,200	<25	2,300
GW-34I	1/25/2008	31	75	160	<1.0	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	5.7	<1.0	<5.0	<1.0	<10	9.4	59	61
GW-34I	2/13/2008	29	63	170	<1.0	2.4	<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	3.5	–	<5.0	<1.0	<10	7.7	68	14
GW-34I	2/27/2008	31	59	170	<1.0	<1.0	<1.0	<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	1.2	62	4.1
GW-34I	3/13/2008	28	50	160	<1.0	<1.0	<1.0	<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	–	<5.0	<1.0	<10	<1.0	60	<3.0
GW-34I	3/26/2008	27	58	180	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1	<1.0	<5.0	<1.0	<10	<1.0	64	<3.0
GW-34I	4/28/2008	31	68	190	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	2.6	<1.0	<5.0	<1.0	<10	<1.0	73	7
GW-34I	5/27/2008	30	65	170	<1.0	<1.0	<1.0	<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	70	<3.0
GW-34I	6/25/2008	19	60	140	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	2	<1.0	<5.0	<1.0	<10	1.4	58	4.2
GW-34S	1/25/2008	<25	<25	<25	<25	990	<25	<25	<25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	700	14	<120	<25	<250	2,400	<25	4,600
GW-34S	2/13/2008	33	<25	27	<25	950	<25	<25	<25	<25	<25	<25	<620	<1,200	<620	<25	<120	<25	<25	<25	640	–	<120	<25	<250	2,000	<25	3,800
GW-34S	3/6/2008	39	<10	22	<10	1,100	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	640	13	<50	<10	<100	1,300	<10	3,400
GW-34S	3/20/2008	37	<10	37	<10	1,000	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	780	–	<50	<10	<100	1,400	<10	4,100
GW-34S	3/31/2008	32	<10	23	<10	1,100	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	660	14	<50	<10	<100	670	<10	3,000
GW-34S	4/29/2008	42	<10	44	<10	1,000	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	700	20	<50	<10	<100	830	<10	3,400
GW-34S	5/27/2008	20	<10	12	<10	990	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	310	14	<50	<10	<100	130	<10	1,200
GW-34S	6/24/2008	80	<20	89	<20	1,200	<20	<20	<20	<20	<20	<20	<500	<1,000	<250	<20	<100	<20	<20	<20	1,100	29	<100	<20	<200	2,600	<20	6,100
GW-35I	1/25/2008	6.9	130	39	1.3	7.9	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	22	6.9	<5.0	<1.0	<10	14	43	43
GW-35I	2/27/2008	1.4	85	24	<1.0	7.2	<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	21	5.7	<5.0	<1.0	<10	9	19	26
GW-35I	3/13/2008	<1.0	57	18	<1.0	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	12	–	<5.0	<1.0	<10	3.3	14	17
GW-35I	3/26/2008	1.2	66	29	<1.0	5.7	<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	16	5.6	<5.0	<1.0	<10	3.7	15	20
GW-35I	4/30/2008	2.4	32	51	<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	11	5.8	<5.0	<1.0	<10	2.7	14	17
GW-35I	5/27/2008	4.8	19	56	<1.0	4.4	<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	12	9.4	<5.0	<1.0	<10	2.1	10	18
GW-35I	6/25/2008	5.1	8.3	48	<1.0	9.4	<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	26	6.7	<5.0	<1.0	<10	5.8	6.1	42
GW-35S	1/25/2008	27	4.7	2.4	2.3	20	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	70	2.4	<5.0	1.6	<10	15	1	100
GW-35S	3/5/2008	22	<1.0	<1.0	1.9	22	<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	61	2	<5.0	<1.0	<10	8.3	<1.0	100
GW-35S	3/20/2008	16	<1.0	1.1	2.8	31	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	130	–	<5.0	<1.0	<10	15	<1.0	170
GW-35S	3/31/2008	22	<1.0	1	1.9	21	<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	90	2	<5.0	<1.0	<10	9	<1.0	120
GW-35S	5/1/2008	19	<1.0	<1.0	1.6	20	<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	82	2.7	<5.0	<1.0	<10	6.8	<1.0	100
GW-35S	5/27/2008	34	<1.0	1.5	1.1	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	38	4.2	<5.0	<1.0	<10	4.4	<1.0	41
GW-35S	6/25/2008	20	<1.0	<1.0	1.4	18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	80	4.2	<5.0	<1.0	<10	7	<1.0	89
GW-36I	1/25/2008	12	120	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	4.1	<1.0	<5.0	<1.0	<10	<1.0	68	<3.0
GW-36I	2/28/2008	12	110	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	4.2	<1.0	<5.0	<1.0	<10	<1.0	68	<3.0
GW-36I	3/13/2008	10	93	99	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	3.7	–	<5.0	<1.0	<10	<1.0	60	<3.0
GW-36I	3/26/2008	11	120	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	3.9	<1.0	<5.0	<1.0	<10	<1.0	68	<3.0
GW-36I	4/28/2008	12	130	120	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	3.3	<1.0	<5.0	<1.0	<10	<1.0	72	<3.0
GW-36I	5/27/2008	7.7	100	89	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	3.3	<1.0	<5.0	<1.0	<10	<1.0	55	<3.0
GW-36I	6/25/2008	12	100	110	<1.0	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	5.8	<1.0	<5.0	<1.0	<10	2.1	62	10
GW-36S	1/25/2008	16	<10	<10	10	880	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	560	16	<50	<10	<100	61	<10	2,300
GW-36S	3/6/2008	<10	<10	<10	<10	900	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	730	20	<50	<10	<100	56	<10	3,000
GW-36S	3/20/2008	<10	<10	<10	12	740	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	670	–	<50	<10	<100	45	<10	2,500
GW-36S	3/31/2008	<10	<10	<10	<10	740	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	630	<10	<50	<10	<100	61	<10	2,600
GW-36S	4/28/2008	<10	<10	<10	11	670	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	500	13	<50	<10	<100	36	<10	2,600
GW-36S	5/27/2008	<10	<5.0	<5.0	9	690	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	490	24	<25	<5.0	<50	14	<5.0	1,800
GW-36S	6/25/2008	<10	<10	<10	10	620	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	580	29	<50	<10	<100	57	<10	2,600
GW-37I	1/29/2008	<1.0	13	2.7	<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	<1.0	<5.0	<1.0	<10	<1.0	3.7	<3.0
GW-37I	2/27/2008	<1.0	14	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	3.9	<3.0
GW-37I	3/13/2008	<1.0	12	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	–	<5.0	<1.0	<10	<1.0	3.3	<3.0
GW-37I	3/27/2008	<1.0	13	2.6	<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	3.6	<3.0
GW-37I	4/29/2008	1.2	9	12	<1.0	1.2	<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	1.5	<1.0	<5.0	<1.0	<10	<1.0	3.6	4.7
GW-37I	5/28/2008	<1.0	7.6	12	<1.0	1.4	<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	1.8	<1.0	<5.0	<1.0	<10	4.7	3.8	4.2
GW-37I	6/24/2008	2	1.2	23	<1.0	2.8	<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	4	<1.0	<5.0	<1.0	<10	2.1	3.7	11
GW-37I	8/7/2008	1.8	2.7	14	<1.0	2.4	<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	3.5	–	<5.0	<1.0	<10	<1.0	2.6	10
GW-37I	9/24/2008	3.5	1.5	14	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	1.3	2.4	<3.0
GW-37S	1/29/2008	10	<10	1.8	1.4	39	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	70	8.9	<5.0	<1.0	<10	20	<1.0	100
GW-37S	3/6/2008	63	<10	<10	1.2	38	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	81	14	<5.0	<1.0	<10	3.8	<1.0	94
GW-37S	3/20/2008	38	<10	<10	1.4	37	<1.0	<1.0	2.4	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	90	–	<5.0	<1.0	<10	5.4	<1.0	100
GW-37S	3/31/2008	25	<10	<10	1.4	33	<1.0	<1.0	2.2	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	85	13	<5.0	<1.0	<10	4.6	<1.0	100
GW-37S	4/29/2008	90	<10	<10	1.9	53	<1.0	<1.0	3.2	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	140	52	<5.0	<1.0	<10	16	<1.0	150
GW-37S	5/28/2008	14	<10	<10	1.4	33	<1.0	<1.0	2.5	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	78	<100	<5.0	<1.0	<10	13	<1.0	84
GW-37S	6/24/2008	10	<10	<10	1.1	33	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	74	<100	<5.0	<1.0	<10	11	<1.0	73
GW-37S	8/5/2008	7.8	<10	<10	1.8	28	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	75	–	<5.0	<1.0	<10	19	<1.0	82
GW-37S	9/24/2008	84	<10	<10	1.4	40	<1.0	<1.0	2.8	<1.0	<1.0	<1.0	28	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	88	–	<5.0	<1.0	<10	22	<1.0	110
GW-38	1/25/2008	430	<50	780	<50	1,400	<50	<50	<50	<50	<50	<50	<1,200	<2,500	<1,200	<50	<250	<50	<50	<50	2,300	56	<250	<50	<500	4,300	<50	3,900
GW-38	2/13/2008	150	<10	290	16	820	<10	<10	16	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,300	–	<50	<10	<100	1,700	<10	2,100
GW-38	3/5/2008	200	<20	82	<20	1,200	<20	<20	21	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	2,100	53	<100	<20	<200	1,700	<20	3,200
GW-38	3/20/2008	120	<20	20	21	1,100	<20	<20	<20	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	2,200	–	<100	<20	<200	1,400	<20	3,200
GW-38	3/31/2008	97	<20	<20	<20	960	<20	<20	<20	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	1,800	31	<100	<20	<200	1,300	<20	2,600
GW-38	4/30/2008	160	<20	<20	<20	1,100	<20	<20	<20	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	2,300	38	<100	<20	<200	1,500	<20	3,600
GW-38	5/27/2008	46	<10	<10	<10	700	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,300	53	<50	<10	<100	200	<10	1,500
GW-38	6/25/2008	56	<20	<20	23	1,200	<20	<20	22	<20	<20	<20	<500	<1,000	<250	<20	<100	<20	<20	<20	2,200	69	<100	<20	<200	2,800	<20	4,200
GW-39	1/25/2008	5.5	<5.0	<5.0	47	350	<5.0	<5.0	11	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	780	38	<25	<5.0	<50	31	<5.0	1,200
GW-39 (Dup)	1/25/2008	5.4	<5.0	<5.0	50	360	<5.0	<5.0	12	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	880	32	<25	<5.0	<50	33	<5.0	1,300
GW-39	3/5/2008	<5.0	<5.0	<5.0	42	410	<5.0	<5.0	13	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	770	38	<25	<5.0	<50	13	<5.0	1,100
GW-39	3/20/2008	<5.0	<5.0	<5.0	54	350	<5.0	<5.0	14	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	830	–	<25	<5.0	<50	6.6	<5.0	1,100
GW-39	3/31/2008	<5.0	<5.0	<5.0	35	350	<5.0	<5.0	8.7	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	460	28	<25	<5.0	<50	14	<5.0	660
GW-39	4/30/2008	<5.0	<5.0	<5.0	42	430	<5.0	<5.0	10	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	810	28	<25	<5.0	<50	14	<5.0	1,200
GW-39	5/27/2008	3.4	<2.0	<2.0	22	330	<2.0	<2.0	2.7	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	<2.0	<2.0	250	20	<10	<2.0	<20	<2.0	<2.0	280
GW-39	6/26/2008	<10	<10	<10	46	470	<10	<10	10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,200	66	<50	<10	<100	13	<10	1,900

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-40I	4/23/2008	20	<1.0	7.5	1.7	3.8	<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	2.1	2.5	<5.0	<1.0	<10	9.1	<1.0	4.6
GW-40I	5/1/2008	19	<1.0	4.4	1.3	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1.5	2.5	<5.0	<1.0	<10	6.4	<1.0	<3.0
GW-40I	5/28/2008	20	<1.0	4.4	1.3	5.2	<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	2.6	5.8	<5.0	<1.0	<10	6	<1.0	5.2
GW-40I	6/24/2008	24	<1.0	2.1	1.1	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1.7	5.5	<5.0	<1.0	<10	4.7	<1.0	<3.0
GW-40I	8/7/2008	24	<1.0	1.7	<1.0	3.7	<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	1.6	--	<5.0	<1.0	<10	4.3	<1.0	<3.0
GW-40I	9/24/2008	23	<1.0	1.6	<1.0	3.5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	1.1	--	<5.0	<1.0	<10	1.4	<1.0	<3.0
GW-40S	4/23/2008	5.8	<5.0	<5.0	7.2	800	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	700	18	<25	<5.0	<50	18	<5.0	1,900
GW-40S	5/1/2008	<10	<10	<10	<10	1,100	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,100	21	<50	<10	<100	14	<10	3,100
GW-40S	5/28/2008	<10	<10	<10	<10	1,100	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,100	29	<50	<10	<100	14	<10	3,000
GW-40S	6/24/2008	<10	<10	<10	<10	1,100	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,100	15	<50	<10	<100	<10	<10	2,700
GW-40S	8/7/2008	<10	<10	<10	<10	970	<10	<10	<10	<10	<10	<10	<250	<500	<250	<10	<50	<10	<10	<10	1,000	--	<50	<10	<100	<10	<10	2,700
GW-40S	9/24/2008	<5.0	<5.0	<5.0	5.4	430	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<120	<250	<120	<5.0	<25	<5.0	<5.0	<5.0	280	--	<25	<5.0	<50	<5.0	<5.0	540
IW-1I	1/24/2008	8.5	35	18	<1.0	22	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	19	<1.0	<5.0	<1.0	<10	190	3.4	150
IW-1I	4/1/2008	8.5	27	9.2	<1.0	5.7	<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	5.8	--	<5.0	<1.0	<10	25	3.7	21
IW-1I	4/2/2008	6	23	9.1	<1.0	5.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	44	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	5.8	--	<5.0	<1.0	<10	32	2.8	26
IW-1I	5/5/2008	53	19	60	<2.0	75	<2.0	<2.0	2.1	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	<2.0	<2.0	69	12	<10	<2.0	<20	290	3.4	210
IW-1I	5/28/2008	44	8.7	28	<5.0	100	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<50	<100	<50	<2.0	<10	<2.0	<2.0	<2.0	92	28	<10	<2.0	<20	370	<2.0	260
IW-1I	6/25/2008	18	5.9	44	<1.0	36	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	35	13	<5.0	<1.0	<10	160	3.1	120
IW-1I	8/12/2008	6.6	8.4	19	<1.0	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	5.2	--	<5.0	<1.0	<10	22	3.1	18
IW-1I	10/7/2008	7.5	3.9	22	<1.0	5.2	<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	5	--	<5.0	<1.0	<10	21	2.8	19
IW-1S	1/24/2008	1,500	<100	950	<100	1,200	<100	<100	<100	<100	<100	<100	<2,500	<5,000	<2,500	<100	<500	<100	<100	<100	1,400	150	<500	<100	<1,000	6,600	<100	6,700
IW-1S	4/2/2008	890	640	3,500	<20	800	23	<20	<20	36	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	760	--	<100	<20	<200	3,100	44	1,900
IW-1S	4/3/2008	440	330	1,900	<20	630	<20	<20	<20	<20	<20	<20	<500	<1,000	<500	<20	<100	<20	<20	<20	700	--	<100	<20	<200	1,900	20	1,500
IW-1S	4/30/2008	630	<25	190	<25	820	<25	<25	<25	<25	<25	<25	<620	<1250	<620	<25	<120	<25	<25	<25	910	160	<120	<25	<250	2,700	<25	2,600
IW-1S	5/28/2008	290	<25	<25	<25	710	<25	<25	<25	<25	<25	<25	<620	<1250	<620	<25	<120	<25	<25	<25	770	16	<120	<25	<250	3,300	<25	2,400
IW-1S	6/25/2008	330	<25	78	<25	810	<25	<25	42	<25	<25	<25	<620	<1250	<620	<25	<120	<25	<25	<25	840	320	<120	<25	<250	4,800	<25	2,800
IW-1S	8/13/2008	430	390	1,400	<20	680	<20	<20	<20	23	<20	<20	<500	<1,000	<250	<20	<100	<20	<20	<20	580	--	<100	<20	<200	1,900	28	1,400
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-2I	10/27/2008	6.4	<1.0	<1.0	4.6	<1.0	<1.0	<1.0	7.5	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	2.6	<1.0	<1.0	1.1	<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	8/18/2006	27	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	12/12/2006	28	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	3/14/2007	21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	6/21/2007	24	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	9/26/2007	22	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	12/13/2007	20	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.6	<3.0
MW-3I (Dup)	12/13/2007	20	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	1.6	<3.0
MW-3I	3/12/2008	18	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-3I	6/18/2008	25	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<26	<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-3I	10/27/2008	16	<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	1.8	<5.0	<1.0	<10	<1.0	2.3	<3.0
MW-101D	9/25/1988	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	ND	--	--	--	--	--	ND	--	9.0	ND	ND	ND	ND	ND
MW-101I	9/25/1988	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	--	ND	--	8.0	--	--	--	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	8/18/2006	<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

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																										
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 (Dup)	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	<5.0	<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	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102D	10/28/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-102I	9/23/1986	270	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	9.0	ND	ND	–	–	–	ND	ND	ND	–	7.0	ND	ND	ND	ND	ND
MW-102I	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	86	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND
MW-103S	8/22/2005	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	6/16/2006	<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-103S	10/20/2008	<1.0	<1.0	1.7	<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	<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	8.0	ND	–	–	ND	ND	ND	–	ND	ND	ND	2.0	ND	ND
MW-106D (Dup)	9/30/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	16	ND	7.0	1.0	–	–	ND	2.0	ND	–	1.0	ND	ND	2.0	ND	ND
MW-106D	11/23/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	1.4	–	ND
MW-107D	9/22/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	2.0	–	–	–	ND	–	ND	–	7.0	ND	ND	ND	ND	ND
MW-107I	9/22/1986	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	3.0	–	–	–	ND	–	ND	–	4.0	ND	ND	ND	ND	ND
MW-107I	6/13/1991	ND	2.0	–	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-107I	12/9/1993	ND	ND	–	ND	ND	ND	–	–	–	–	–	–	–	–	–	–	–	–	–	ND	–	ND	–	–	ND	–	ND
MW-107I	6/28/2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
MW-107I	6/30/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND
MW-107I	6/19/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
MW-107I	6/20/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
MW-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	6/4/2005	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-108D	10/21/2008	<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-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	6/4/2005	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-109D	10/21/2008	<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-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

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-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	<1.0	<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	12/11/2006	16	<1.0	18	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	1.3	<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	16	<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	10/25/2007	17	<1.0	34	<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	3.7	<3.0
PW-1	11/19/2007	9.3	<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	1.1	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	2.7	<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	1/18/2008	14	<1.0	32	<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	1.4	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	3.9	<3.0
PW-1	2/22/2008	16	<1.0	34	<1.0	<1.0	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	4.1	<3.0
PW-1	3/11/2008	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	4/22/2008	10	<1.0	30	<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	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	7/14/2008	10	<1.0	31	<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	1.0	<1.0	<1.0	--	<5.0	<1.0	<10	<1.0	4.3	<3.0
PW-1	8/8/2008	11	<1.0	33	<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	4.5	<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-1	10/20/2008	8.3	<1.0	27	<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	<1.0	<1.0	<1.0	2.4	<5.0	<1.0	<10	<1.0	4.4	<3.0
PW-2	1/5/1994	ND	ND	--	ND	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	7.0	--	ND
PW-3	1/4/1994	160	ND	--	220	1,400	3.1	--	--	--	--	--	--	--	--	--	--	--	--	--	1,400	--	13	--	--	23,000	--	3,600
PW-3	4/6/1995	50	ND	--	86	420	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	570	--	ND	--	--	2,000	--	1,500
PW-3	7/1/2004	5.9	1.3	1.5	9.7	130	ND	ND	3.6	ND	ND	ND	ND	ND	ND	--	ND	ND	3.9	ND	84	--	ND	ND	ND	93	ND	180
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	48	<1.0	<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	28	<1.0	14
PW-3	10/20/2008	<1.0	<1.0	<1.0	2.3	42	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	6.8	1.5	<5.0	<1.0	<10	23	<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	12/11/2006	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	3/13/2007	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	10/25/2007	2.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	11/19/2007	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	--	<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	1/18/2008	2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	2/22/2008	2.2	<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
PW-4	3/11/2008	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	4/22/2008	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	7/14/2008	<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	--	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-4	8/8/2008	1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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-4	10/20/2008	<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	1.1	<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	6.0	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	12/11/2006	29	<1.0	6.5	<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	<1.0	<3.0
PW-6	3/13/2007	32	<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	1.4	<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	10/25/2007	18	<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	11/19/2007	13	<1.0	8.8	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	1/18/2008	16	<1.0	10	<1.0	<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	2/22/2008	15	<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	3/11/2008	7.9	<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	4/22/2008	9.6	<1.0	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<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	7/14/2008	12	<1.0	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	<1.0	<3.0
PW-6	8/8/2008	8	<1.0	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	<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	<10	<1.0	<1.0	<3.0
PW-6	10/20/2008	6.6	<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	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																										
PW-7	12/9/2003	86	ND	26	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	26	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	7.6	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	6.9	ND	ND	ND	ND	33	ND
PW-7	4/17/2006	100	<1.0	56	7.3	<1.0	9.8	<1.0	5.8	<1.0	<1.0	<1.0	<25	<50	<25	–	<5.0	<1.0	3.3	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	24	<3.0
PW-7	6/12/2006	45	<1.0	56	4.8	<1.0	5.3	<1.0	<1.0	4.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.3	<1.0	23	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	9/18/2006	88	<1.0	74	7.6	<1.0	9.5	<1.0	6.3	1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	3.3	<1.0	<1.0	8.7	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-7	12/11/2006	80	<1.0	47	7.8	<1.0	15	<1.0	8.7	<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	1.6	<1.0	<1.0	<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	<1.0	<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-8	10/21/2008	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
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	6/4/2005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND	ND	ND	ND	ND	ND	–	ND	ND	ND
PW-9	6/15/2006	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10	<1.0	<1.0	<3.0
PW-9	6/26/2007	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	<1.0	<1.0	<3.0
PW-9	6/18/2008	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	–	<5.0	<1.0	<10	1.9	<1.0	<3.0
PW-9	10/27/2008	<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
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	6.4	<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-1	10/20/2008	<1.0	1.2	3.6	<1.0	32	<1.0	<1.0	3.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<10	<1.0	<1.0	<3.0
RW-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	62	9.6	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	16	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	68	<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 (Dup)	6/12/2006	1.1	48	20	<1.0	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	<5.0	<1.0	<1.0	<10	<1.0	40	<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	62	<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	63	<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-1D	10/20/2008	1.4	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	2.1	<5.0	<1.0	<10	<1.0	76	<3.0
RW-2	9/9/1986	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-2	10/27/2008	<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)
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	88	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	15	ND	--	15	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--	ND	--	--	1.7	--	ND
RW-5S	12/10/2003	24	22	11	6.3	89	3.9	ND	8.2	1.5	ND	ND	ND	ND	ND	--	ND	ND	ND	ND	5.8	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-5S	10/21/2008	<1.0	<1.0	<1.0	<1.0	4.3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<25	<50	<25	<1.0	<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 (Dup)	10/21/2008	<1.0	<1.0	<1.0	<1.0	4.4	<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	<1.0	<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-8D	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-8D	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-10	8/18/2008	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	--	<5.0	<1.0	<10	<1.0	52	<3.0
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.
"(Dup¹)" 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 October 20 through October 29, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		DNR-1	DNR-3	DNR-4D	DNR-5	DNR-5 Duplicate	DNR-7	GW-1I	GW-3I	GW-4D	GW-5D	GW-5I	GW-6D	GW-6I	GW-12I	GW-16	GW-16 Duplicate
Field Parameters																	
pH	S.U.	7.56	7.43	7.85	7.22	NA	7.14	7.14	8.21	7.17	7.87	8.25	8.43	7.67	7.95	7.64	NA
Conductivity	µS/cm	502	539	786	508	NA	581	616	620	574	801	615	541	718	431	487	NA
Dissolved Oxygen	mg/L	1.02	1.15	0.58	1.37	NA	1.28	1.12	0.19	0.77	0.71	1.36	0.18	2.82	1.04	0.89	NA
Temperature	C°	9.78	9.79	10.13	10.88	NA	11.36	10.10	9.78	9.79	6.78	10.09	9.78	9.71	10.32	9.36	NA
Oxidation/Reduction Potential	mv	-106.9	-72	-106	-95.2	NA	-81.4	-106.4	-91.1	-111.1	-102	-98.2	-101.8	-89	650.2	-76	NA
Salinity	PSS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity	NTU	8.12	1.9	20	36	NA	51	29	4	1	78	NA	2	16	20	2	NA
Sulfide	mg/L	0.00	0.00	0.73	NA	NA	0.40	0.72	0.00	0.00	0.39	0.02	0.00	0.00	0.08	0.00	NA
Dissolved Iron	mg/L	2.22	1.6	0.41	1.34	NA	1.88	2.88	1.60	2.14	0.46	1.52	1.41	1.06	0.29	0.46	NA
Dissolved Manganese	mg/L	0.7	0.2	0.3	NA	NA	0.2	1.1	0.0	0.0	0.6	0.2	0.0	0.4	1.1	0.5	NA
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.21	0.091	0.14	<0.050	<0.050	<0.050	0.17	0.061	0.14	0.16	0.076	<0.050	0.068	0.06	0.1	0.14
Total Organic Carbon	mg/L	2.1	1.5	1.1	1.6	1.5	1.9	1.3	1.9	1.0	2.3	1.8	1.7	<1.0	1.4	1.6	1.9
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.063	<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	18	13	13	14	31	19	16	<5.0	18	19	19	5.7	<5.0	<5.0
Chloride	mg/L	1.7	2.1	2.2	2.8	2.6	9.0	8.6	6.8	3.3	4.9	6.2	2.9	4.1	5.1	3.1	2.7
Total Alkalinity	mg/L	260	290	290	260	260	280	290	280	300	280	300	260	250	260	260	250
Dissolved Gases																	
Ethane Gas in Water	µg/L	<1.0	<1.0	<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
Ethene Gas in Water	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	10	<1.0	1.5	<1.0	1.1	1.4	<1.0	<1.0	<1.0	<1.0	<1.0
Methane Gas in Water	µg/L	54	31	3.1	42	31	41	7.2	42	7.4	47	9.4	4.3	3.8	630	29	41

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 October 20 through October 29, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		GW-17D	GW-17D Duplicate	GW-17I	GW-18	GW-19D	GW-19S	GW-20D	GW-20I	GW-20I Duplicate	GW-21D	GW-21S	GW-22D	GW-22I	GW-22S	GW-23D	GW-23I
Field Parameters																	
pH	S.U.	8.86	NA	8.56	8.99	7.33	7.78	7.38	7.32	NA	7.51	7.34	7.11	NA	NA	6.94	6.95
Conductivity	µS/cm	614	NA	608	602	853	888	888	912	NA	778	903	570	555	548	550	566
Dissolved Oxygen	mg/L	0.44	NA	0.49	0.24	0.98	0.20	0.78	0.72	NA	0.77	0.55	0.70	0.98	0.93	1.29	0.74
Temperature	C°	9.86	NA	9.81	9.75	9.83	9.71	9.87	9.52	NA	9.98	10.13	10.70	10.15	10.90	11.23	11.67
Oxidation/Reduction Potential	mv	-133.5	NA	-132.6	-129	-67	-129.7	-68.2	-55	NA	-72.7	-54.8	-184.3	-124	-167	-228	-223
Salinity	PSS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity	NTU	2	NA	1	5	0	0	0	0	NA	1	2	1	8	2	1	1
Sulfide	mg/L	0.00	NA	NA	0.00	0.00	0.02	0.1	0.00	NA	0.00	0.00	0.00	0.01	0.00	1.46	0.13
Dissolved Iron	mg/L	2.16	NA	1.6	1.41	1.74	1.6	1.83	1.64	NA	1.1	1.51	0.37	1.9	1.58	0.1	0.39
Dissolved Manganese	mg/L	0.0	NA	0.2	0.3	0.0	0.2	0.6	0.4	NA	0.1	0.1	0.50	0.8	0.7	1.0	1.4
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.075	0.075	0.076	0.09	0.09	<0.050	0.088	0.1	0.098	0.19	0.12	0.09	0.09	0.096	0.11	<0.050
Total Organic Carbon	mg/L	1.4	1.3	1.7	1.4	1.3	1.3	<1.0	<1.0	<1.0	<1.0	1.0	1.5	1.9	1.5	1.2	1.5
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<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	18	18	16	15	22	24	16	20	20	<5.0	18	14	19	16	<5.0	25
Chloride	mg/L	6.7	6.7	5.8	5.6	4.1	3.6	6.5	7.9	8.0	2.4	7.8	3.5	3.0	2.6	4.4	6.1
Total Alkalinity	mg/L	320	390	300	290	280	300	300	310	300	290	320	300	290	270	320	280
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	1.4	1.4	1.1	2.0	<1.0	1.3	2.0	<1.0	<1.0	<1.0	<1.0	3.2	1.1	<1.0	3.7	1.5
Methane Gas in Water	µg/L	6.5	6.2	9.5	17	3.8	4.1	13	3.9	3.3	19	4.5	6.0	2.0	12	19	2.5

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 October 20 through October 29, 2008

Biogeochemical and Field Parameters	Units	Sample Locations															
		GW-23S	GW-24D	GW-24I	GW-25D	GW-25I	GW-26D	GW-26I	GW-28D	GW-28I	GW-29	MW-2I	MW-3I	MW-102D	MW-103S	MW-107I	MW-108D
Field Parameters																	
pH	S.U.	7.54	7.40	7.49	7.48	7.37	7.54	7.31	7.95	7.32	8.12	6.85	7.08	8.22	7.12	8.37	7.05
Conductivity	µS/cm	559	848	818	870	804	815	827	386	697	577	626	587	84	609	578	560
Dissolved Oxygen	mg/L	0.44	0.68	0.64	0.57	0.74	0.89	0.97	0.73	0.72	1.64	2.62	2.74	0.80	1.19	0.45	0.74
Temperature	C°	10.68	9.85	9.94	10.09	9.96	10.17	10.04	9.66	9.73	9.71	9.87	9.45	9.81	12.21	9.40	9.71
Oxidation/Reduction Potential	mv	-185	-130	-144	-218	-87	-114	-65	-249.3	-146.9	-124.8	-90.5	-85.1	-85	-92.9	-139.5	129.5
Salinity	PSS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity	NTU	1	1	1	1	1	1	1	1	2	4	79	49	1	15	5	180
Sulfide	mg/L	0.00	0.04	0.00	0.00	0.06	0.02	0.00	NA	NA	0.08	7.04	0.63	0.00	0.04	0.00	7.20
Dissolved Iron	mg/L	2.07	1.1	2.09	0.86	1.6	3.02	1.86	NA	NA	4.82	3.27	1.85	0.0	1.84	1.98	1.41
Dissolved Manganese	mg/L	0.7	1.0	0.4	1.0	0.6	1.2	0.8	NA	NA	0.0	0.0	0.5	0.1	0.6	0.0	0.7
Biogeochemical Parameters																	
Nitrogen, Ammonia	mg/L	0.1	0.12	0.11	0.079	0.16	0.16	0.13	0.22	0.15	0.18	0.18	0.11	0.064	0.14	0.07	0.17
Total Organic Carbon	mg/L	1.9	<1.0	1.2	<1.0	1.5	1.1	1.0	2.5	63	14.0	1.1	1.2	<1.0	1.7	1.8	1.9
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<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	24	18	6.5	15	9.1	<5.0	12	<5.0	<5.0	<5.0	20	14	<5.0	15	11	21
Chloride	mg/L	4.2	3.7	2.1	4.9	2.1	2.3	1.8	7.9	3.5	4.2	7.3	3.3	3.4	5.6	2.6	8.6
Total Alkalinity	mg/L	280	280	270	290	280	280	300	190	350	310	300	300	220	310	290	300
Dissolved Gases																	
Ethane Gas in Water	µg/L	<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	<1.0	<1.0	<1.0
Ethene Gas in Water	µg/L	<1.0	2.2	4.4	4.4	1.8	2.6	<1.0	5.8	33	100	1.1	1.8	<1.0	<1.0	<1.0	<1.0
Methane Gas in Water	µg/L	3.1	3.2	11	7.2	6.6	330	6.4	36	2,600	1,900	4.8	11	230	8.0	4.1	22

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 October 20 through October 29, 2008

Biogeochemical and Field Parameters	Units	Sample Locations											
		MW-109D	PW-1	PW-3	PW-4	PW-6	PW-8	PW-9	RW-1	RW-1D	RW-2	RW-5S	RW-5S Duplicate
Field Parameters													
pH	S.U.	7.34	7.17	7.18	7.18	7.26	7.05	7.37	7.44	7.79	7.15	7.25	NA
Conductivity	µS/cm	594	560	599	581	583	669	583	517	507	610	631	NA
Dissolved Oxygen	mg/L	1.05	2.68	0.69	2.25	1.40	2.83	4.01	8.90	0.80	1.82	2.60	NA
Temperature	C°	9.40	10.22	10.24	10.66	10.49	11.93	10.55	10.17	10.42	11.40	11.94	NA
Oxidation/Reduction Potential	mv	-81.1	-74.7	-105.3	-68.6	-78.7	-36.5	-72.8	-24.8	-84.7	-8.9	8.4	NA
Salinity	PSS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity	NTU	50	2	1	6	5	19	2	1	1	69	6	NA
Sulfide	mg/L	0.77	0.00	0.01	0.00	0.00	0.11	0.00	0.00	0.00	0.70	0.04	NA
Dissolved Iron	mg/L	0.98	1.7	8.28	1.78	1.84	0.51	0.25	0.08	0.19	0.22	5.04	NA
Dissolved Manganese	mg/L	0.7	0.0	1.6	1.2	0.2	0.4	0.3	0.0	0.1	0.4	0.3	NA
Biogeochemical Parameters													
Nitrogen, Ammonia	mg/L	0.55	<0.050	0.16	0.061	0.074	<0.050	<0.050	<0.050	0.12	<0.050	<0.050	<0.050
Total Organic Carbon	mg/L	1.6	1.5	1.8	1.6	1.4	1.4	1.2	2.1	1.8	<1.0	1.2	1.2
Nitrogen, Nitrate	mg/L	<0.050	<0.050	<0.050	<0.050	<0.050	0.24	0.32	0.14	<0.050	0.17	<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
Sulfate	mg/L	11	13	20	25	15	21	21	10	<5.0	21	25	25
Chloride	mg/L	11	3.6	4.1	4.8	3.9	11	6.9	4.8	5.0	10	5.1	5.2
Total Alkalinity	mg/L	300	280	290	270	290	340	280	260	290	300	300	310
Dissolved Gases													
Ethane Gas in Water	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethene Gas in Water	µg/L	<1.0	2.4	1.5	1.1	1.0	<1.0	<1.0	<1.0	2.1	<1.0	<1.0	<1.0
Methane Gas in Water	µg/L	120	12	18	2.3	11	1.5	<0.50	26	90	6.6	1.2	1.2

Notes:

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

Table 5
Summary of Analytical Data - Influent and Effluent Concentrations
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		

Table 5
Summary of Analytical Data - Influent and Effluent Concentrations
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
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)	**11**	<1.0	**11**	<1.0	**15**	<1.0	**14**	<1.0	<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**	**7.1**
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**	**8.8**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	**2.7**	-	<5.0	-	<5.0	-	<5.0	<5.0
Isophorone	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Lead, total	ug/L	14(a)	-	<1.0	-	<1.0	-	<1.0	-	<1.0	<1.0
Naphthalene	ug/L	5(m)	-	-	-	-	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	-	-	<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		554.89		

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

Sampling Month:		Discharge	October Data		October Data		October Data		October
Sample Date:		Limitations	10/13/08	10/13/08	10/20/08	10/20/08	10/27/08	10/27/08	Monthly
Site Identification:		See footnote after table 1	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)	**12**	<1.0	**9.1**	<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**	<1.0	**14**	<2.0	**29**	<2.0	<2.0
PCB: aroclor 1016	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1221	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1232	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1242	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1248	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1254	ug/L	*	<1.0	<1.0	-	-	-	-	-
PCB: aroclor 1260	ug/L	*	<1.0	<1.0	-	-	-	-	-
Arsenic, total	ug/L	50(a)	-	**73**		**5.8**	-	**6.6**	**28.5**
Bis(2-ethyl hexyl)phthalate	ug/L	5(m)	-	<5.0	-	<5.5	-	<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
Naphthalene	ug/L	5(m)	-	<5.0	-	-	-	-	-
Pentachlorophenol	ug/L	0.8(a)	-	<0.50	-	-	-	-	<0.50
Air Emission Rate	lbs/hr	1.0 †	0.0019		0.0043		0.0075		
Cumulative Mass Removal	lbs		554.97		555.30		556.02		

Table 6
Summary of Operating Data
Groundwater Extraction and Treatment System
Rose Township Site

Well ID	Jul-08			Aug-08			Sep-08			Oct-08		
	Monthly Total (Gallons)	Average Flowrate (gpm)	% Operation	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	2,811,000	67	55
PW-3	1,689,342	38	94	1,839,607	41	100	1,202,250	28	70	1,291,000	31	55
PW-4	2,062,686	46	94	2,275,339	51	100	1,647,375	38	70	1,184,000	28	55
PW-6	3,797,250	85	77	5,241,000	117	100	3,496,000	81	70	2,633,000	63	55
PW-7	0	0	0	0	0	0	0	0	0	0	0	0
PW-8	0	0	0	0	0	0	0	0	0	0	0	0

Appendix A

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW6I

INSPECTION

Label on well? Needs to be relabeled (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Cloudy
Notes: Flowing artesian well.

Is cap locked? YES (NO)
Standing water present? (YES) NO
Any indication of surface runoff in well? YES (NO)
Air Temperature: 31°F

GW6I-102808-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: ¢ Time: AM/PM

Depth to Water: _____
Length of Well: _____

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/28/08 Begin Time: 1345 AM/PM
End Time: _____ AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: 200 (ml/min) or L/min

Notes: S = 0 mg/L Fe = 1.06 mg/L Mn = 0.4 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1355	–	–	7.77	725	12	1.98	9.61	-105	
1400	–	–	7.75	722	9	1.68	9.65	-105	
1405	–	–	7.73	720	19	2.67	9.67	-104	
1410	–	–	7.71	721	17	2.79	9.79	-99	
1415	–	–	7.68	719	16	2.89	9.66	-91	
1420			7.67	718		2.82	971	-89	
Final:									

SAMPLE COLLECTION

Date: 10/28/08 Time: 1425 AM/PM Method: Peristaltic

Appearance of Sample: Clear Actual sample flow rate: 150 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC N-A

SAMPLING PERSONNEL

Name: Aviar Mani Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** DNR 4 D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: cloudy
Notes: Slow recharge DNR4D-102808-AM

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 31°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/28/08 Time: 1440 AM/PM

Depth to Water: 1.5
Length of Well: 118'

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/28/08 Begin Time: 1445 AM/PM
End Time: AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 2.5 gallons
Actual purge flow rate: 50-100 (ml/min) or L/min

Notes: S = 0.73 mg/L Fe = 0.41 mg/L Mn = 0.3 mg/L
Pump set at minimum flowrate.

Time	Volume (gallons) (approx.)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1510	0.0	5.1	7.84	772	22	1.03	10.37	-106	
1515	1.1	5.9	7.85	774	20	0.91	10.41	-109	
1520	1.2	7.4	7.86	782	20	0.89	10.29	-111	
1525	1.3	8.9	7.86	783	20	0.81	10.23	-112	
1530	1.4	9.65	7.86	784	20	0.90	10.17	-111	
1535	1.6	10.62	7.86	784	22	0.86	10.16	-111	
1540	1.8	11.71	7.86	785	21	0.69	10.12	-110	
1545	2.0	12.62	7.86	785	19	0.64	10.12	-109	
1550	2.2	13.87	7.85	786	20	0.61	10.14	-107.4	
Final: 1555	2.5	14.95	7.85	786	20	0.58	10.13	-106	

SAMPLE COLLECTION

Date: 10/28/08 Time: 1600 AM/PM Method: Peristaltic

Appearance of Sample: clear Actual sample flow rate: 100 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC NA

SAMPLING PERSONNEL

Name: Avtar Mann Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-1I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K.
Weather: PARTLY CLOUDY, CALM
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 36°F
Notes: SAMPLE ID #: 3W1I-102808-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.28.08 Time: 0830 AM/PM

Depth to Water: 0.00
Length of Well: 96.00
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.28.08 Begin Time: 0830 AM/PM End Time: AM/PM
Purging Equipment: 2" BLADDER PUMP
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time: 1" @ 20sec
Actual volume purged: gallons
Actual purge flow rate: 95 ml/min or L/min

Notes: S = 0.72 mg/L, Mn = 1.1 mg/L
LOW RECOVERY TIME - COULD NOT STABILIZE H_2O LEVEL

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 0855	-	2.96	7.35	605	>1000	13.40	9.90	-148.1	
0900	-	3.72	7.27	612	>1000	4.85	9.95	-130.1	
0905	-	4.13	7.20	616	685	1.95	9.93	-118.5	
0910	-	4.29	7.17	616	320	1.54	9.92	-114.2	
0915	-	4.54	7.16	615	100	1.38	10.01	-111.1	
0920	-	4.83	7.15	616	37	1.24	10.03	-110.1	
0925	-	5.14	7.14	616	34	1.16	10.04	-108.1	
0930	-	5.38	7.14	616	29	1.12	10.10	-106.4	2.88
Final:									

SAMPLE COLLECTION

Date: 10.28.08 Time: 0935 AM/PM
Method: 2" BLADDER
Appearance of Sample: CLEAR
Actual sample flow rate: 95 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC'S, MA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** DNR-5

INSPECTION

Label on well? YES (NO)
Is reference mark visible? YES (NO)
Condition of well: GOOD
Weather: PARTLY CLOUDY, BREEZY
Notes:

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 39°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.28.08 Time: 1030 AM/PM

Depth to Water: 2.90
Length of Well: 99.00

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.28.08 Begin Time: 1045 AM/PM
End Time: AM/PM

Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH (LOW)
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 80 (ml/min) or L/min

Notes: S = meter limit Mn = meter limit
well has slow recovery time - H_2O level would not stabilize

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1100	-	2.94	7.24	501	60	2.35	10.75	-96.4	
1105	-	2.98	7.25	503	50	1.85	10.72	-97.7	
1110	-	2.98	7.23	504	47	1.71	10.73	-98.6	
1115	-	3.00	7.23	506	46	1.56	10.76	-97.4	
1120	-	3.03	7.23	508	42	1.43	10.81	-96.8	
1125	-	3.03	7.22	507	39	1.47	10.85	-94.6	
1130		3.03	7.22	508	36	1.37	10.88	-95.2	1.34
Final:									

SAMPLE COLLECTION

Date: 10.28.08 Time: 1135 AM/PM

Method: 2" BLADDER

Appearance of Sample: CLEAR

Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC'S, HA

SAMPLING PERSONNEL

Name: JOHN LANCILLA

Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-29

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K.
Weather: OVERCAST, BREEZY
Notes: SAMPLE ID #: GW29-102808-35'

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 43°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: 22.35
Length of Well: 65.0

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.28.08 Begin Time: 1240 AM/PM End Time: AM/PM

Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 175 ml/min or L/min

Notes: S= 0.08 mg/L Mn = 0.0 mg/L

Time	Volume (gallons)	Depth to Water (feet)	pH (SU)	Conductivity (umhos/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp (°C)	ORP	Ferrous Iron (mg/L)
1300		<0.33'	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 5°	+/- 10 mV	
Start: 1255	-	22.35	7.13	514	6	8.57	9.60	-99.3	
1305	-	22.35	7.18	517	6	6.00	9.70	-104.7	
1310	-	22.35	7.17	519	6	4.14	9.71	-113.6	
1315	-	22.35	7.18	520	6	2.95	9.69	-118.5	
1320	-	22.35	7.20	522	5	2.32	9.72	-122.2	
1325	-	22.35	7.78	528	5	2.05	9.75	-125.7	
1330	-	22.35	9.47	557	5	1.83	9.74	-130.2	
1335	-	22.35	9.66	571	4	1.69	9.71	-129.4	
1340	-	22.35	8.48	575	4	1.65	9.71	-127.7	
1345	-	22.35	8.12	577	4	1.64	9.71	-124.8	4.82
Final:									

SAMPLE COLLECTION

Date: 10.28.08 Time: 1350 AM/PM

Method: 2" BLADDER

Appearance of Sample: CLEAR

Actual sample flow rate: 175 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC'S, MA

SAMPLING PERSONNEL

Name: JOHN YANCHULA

Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-4D**

INSPECTION

Label on well? YES (NO)
Is reference mark visible? YES (NO)
Condition of well: O.K.
Weather: OVERCAST, SNOW
Is cap locked? (YES) NO
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 42° F
Notes: SAMPLE ID# GW4D-102808-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.28.08 Time: — AM/PM

Depth to Water: ARTESIAN
Length of Well: 114.00
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.28.08 Begin Time: 1530 AM/PM
End Time: AM/PM
Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time: ____
Actual volume purged: ____ gallons
Actual purge flow rate: 300 (ml/min) or L/min

Notes: S= 0.00 mg/L Mn = 0 mg/L Fe = 2.14 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1545	—	—	7.41	567	1	1.69	9.77	-143.6	
1550	—	—	7.40	567	1	1.23	9.72	-141.2	
1555	—	—	7.20	573	1	0.97	9.81	-114.5	
1600	—	—	7.19	574	1	0.88	9.76	-111.5	
1605	—	—	7.18	574	1	0.84	9.78	-111.4	
1610	—	—	7.17	574	1	0.77	9.79	-111.1	2.14
Final:									

SAMPLE COLLECTION

Date: 10.28.08 Time: 1615 AM/PM
Method: ~~GT~~ ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: 300 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHURA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-28I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: GOOD
Weather: overcast, ~~hot~~ windy
Notes: GW28I - 102908-T6

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 45°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/29/2008 Time: 1300 AM/PM

Depth to Water: 26.33
Length of Well: ~~[illegible]~~

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/29/2008 Begin Time: 1300 AM/PM End Time: 1410 AM/PM

Purging Equipment: Barnant Co. 7518-02
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 4 gallons
Actual purge flow rate: ml/min or L/min

Notes:

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O.* (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1315	0.5		8.09	25.8	44.05	27.64	9.74	-11.3	
1320	0.75		7.70	26.2	29.68	10.81	9.57	-55.4	
1325	1.0		7.40	26.8	12.75	9.26	9.72	-152.2	
1330	1.5		7.46	26.5	57.00	8.66	9.68	-155.6	
1335	2.0		7.39	26.4	4.69	8.26	9.64	-155.6	
1340	2.5		7.39	26.7	3.20	7.81	9.63	-154.9	
1345	2.75		7.51	30.9	2.03	7.36	9.64	-149.9	
1350	3.0		7.30	64.9	3.11	1.14	9.69	-141.6	
1355	3.5		7.32	67.4	2.22	0.75	9.67	-145.1	
1400	4.0		7.32	69.7	1.63	0.72	9.73	-146.9	
Final: 1405	4.		7.32	69.7	1.63	0.72	9.73	-146.9	

SAMPLE COLLECTION

Date: 10/29/2008 Time: 1405 AM/PM Method: Low Flow

Appearance of Sample: Clear
Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC + Natural Attenuation YSI 556 MPS, Micro TPW

SAMPLING PERSONNEL

Name: Trista Gregorsky Company: EarthTech AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-28D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: GOOD
Weather: overcast, wind
Notes: GW28D-102908-TG

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 45°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/29/2008 Time: 1335 AM/PM

Depth to Water: 26.32
Length of Well:

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/29/2008 Begin Time: 1420 AM/PM
End Time: AM/PM

Purging Equipment: Barnant Co. 7518-02
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Notes:

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: 2 gallons
Actual purge flow rate: ml/min or L/min

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1430	0.5		7.91	37.8	1.06	1.22	9.66	-220.7	
1435	0.75		7.91	38.1	0.39	0.90	9.76	-233.8	
1440	1.0		7.94	38.4	0.28	0.77	9.70	-239.8	
1445	1.25		7.93	38.5	0.23	0.73	9.67	-243.4	
1450	1.5		7.95	38.6	0.26	0.73	9.66	-249.3	
Final: 1455	2		7.95	38.6	0.26	0.73	9.66	-249.3	

SAMPLE COLLECTION

Date: 10/29/2008 Time: 1455 AM/PM Method: Low Flow

Appearance of Sample: grey
Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC + Natural Attenuation
Micro TPW, YSI 556 MPS

SAMPLING PERSONNEL

Name: Trista Gregorski
Company: EarthTech AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW19S**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Partly Cloudy
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 36°F
Notes: GW19S - 102308-JY / YSI pH NOT CALIBRATING

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/23/08 Time: 8:15 (AM)/PM

Depth to Water: ARTESIAN
Length of Well: -
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/23/08 Begin Time: 8:15 (AM)/PM
End Time: AM/PM
Purging Equipment:
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.02 mg/L, MN = 0.12 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
8:20	-	-	8.34	592	0	9.05	9.61	-113	
0830	-	-	8.11	590	0	0.51	9.63	-122.5	
0835	-	-	7.98	590	0	0.34	9.64	-126.7	
0840	-	-	7.73	588	0	0.32	9.44	-129.8	
0845	-	-	7.82	588	0	0.37	9.65	-131.7	
0850	-	-	7.75	588	0	0.24	9.70	-129.4	
0855	-	-	7.74	588	0	0.21	9.71	-130.5	
0858	-	-	7.78	588	0	0.20	9.71	-129.7	1.60
Final:									

SAMPLE COLLECTION

Date: 10.23.08 Time: 0900 (AM)/PM
Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: - ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, MA

SAMPLING PERSONNEL

Name: JOHN YANCIULA
Company: ~~IDAPA~~ ~~TCEQ~~ AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-19D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: 51°F, Sunny, Calm
Notes: GW19D-102308-AMS

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 51°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/23/08 Begin Time: 0920 (AM)/PM
End Time: AM/PM

Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0 mg/L Mn = 0 mg/L Fe = 1.74

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
9:40	–	–	7.34	865	0	1.36	9.80	-74	
945	–	–	7.34	865	0	1.25	9.80	-70	
950	–	–	7.33	861	0	1.06	9.85	-69	
955	–	–	7.33	859	0	1.13	9.91	-68	
10:00	–	–	7.33	855	0	1.08	9.84	-68	
10:03	–	–	7.33	853	0	0.98	9.83	-67	
Final:									

SAMPLE COLLECTION

Date: 10/23/08 Time: 10:10 (AM)/PM Method: Artesian

Appearance of Sample: Clear Actual sample flow rate: — ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI + Alison Schoeff Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW20I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Partly Cloudy
Notes: GW20I-102308-AS, GW20ID-102308-AS
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 35°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: — Time: AM/PM

Tavenat 1120

Depth to Water:
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/23/08 Begin Time: 10:30 AM/PM
End Time: AM/PM
Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.0 mg/L, Fe = 1.64 mg/L, Mn = 0.4 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:45	—	—	7.38	913	0	1.07	9.32	-49	
10:50	—	—	7.33	912	0	0.80	9.36	-51	
10 55	—	—	7.32	912	0	0.72	9.53	-53	
1100	—	—	7.31	911	0	0.63	9.42	-53	
1105	—	—	7.33	911	0	0.76	9.47	-54	
1110			7.32	912	0	0.72	9.52	-55	
Final:									

SAMPLE COLLECTION

Date: 10/23/08 Time: 1115 AM/PM
Method: ARTESIAN
Appearance of Sample: Clear
Actual sample flow rate: — ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 20D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Clear, Calm
Notes: GW20D-102308-AS

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water:
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/23/08 Begin Time: 11:25 (AM)/PM End Time: AM/PM

Purging Equipment: Artesian
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S=0.1 mg/L, Fe = 1.83 mg/L Mn = 0.6 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
11:45	–	–	7.37	893	0	1.79	9.77	-60	
11:50	–	–	7.37	891	0	1.51	9.79	-61	
11:55	–	–	7.38	891	0	1.23	9.83	-63	
12:00	–	–	7.38	891	0	1.15	9.80	-65	
1205	–	–	7.38	888	0	0.88	9.83	-65.8	
1210	–	–	7.39	888	0	0.80	9.84	-67.3	
1215	–	–	7.38	888	0	0.78	9.87	-68.2	
Final:									

SAMPLE COLLECTION

Date: 10/23/08 Time: 1220 AM/PM Method: ARTESIAN

Appearance of Sample: Clear
Actual sample flow rate: – ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Alison Schoeff + Avtar Mari Company: EarthTech AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-21D**

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K
Weather: CLEAR, BREEZY
Notes: SAMPLE ID: GW21D-102308-AS

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 55°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: ARTESIAN Time: AM/PM

Depth to Water: _____
Length of Well: _____

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.23.08 Begin Time: 1235 AM/PM End Time: 1325 AM/PM

Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

_____ ft Length of well
_____ ft - depth to water (before purge start)
_____ ft = length of water column
_____ x conversion factor (2" well) 0.49
_____ Gallons = 3 casing volumes

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: _____ ml/min or L/min

Notes: S=0.0 mg/L Mn=0.1 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1300	–	–	7.53	778	0	1.10	10.00	-72.2	
1305	–	–	7.51	779	0	0.95	9.92	-72.4	
1310	–	–	7.52	778	1	0.91	9.90	-72.6	
1315	–	–	7.52	777	0	0.84	9.97	-72.5	
1320	–	–	7.51	778	1	0.77	9.98	-72.7	1.10
Final:									

SAMPLE COLLECTION

Date: 10.23.08 Time: 1325 AM/PM Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: – ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, MA

SAMPLING PERSONNEL

Name: ALISON SCHROEF, JOHN YANCHULA Company: LANCER TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-21S

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: O.K
Weather: CLEAR, BREEZY
Notes:

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 55°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: ARTESIAN Time: AM/PM

Depth to Water:
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.23.08 Begin Time: 1330 AM/PM
End Time: AM/PM

Purging Equipment:
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S=0.0 mg/L, Mn = 0.1 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1340	–	–	7.37	892	6	0.64	9.95	-55.4	
1345	–	–	7.34	900	3	0.58	10.06	-54.4	
1350	–	–	7.34	903	4	0.58	10.07	~~-54~~ -54.6	
1355	–	–	7.34	903	2	0.55	10.13	-54.8	1.51
Final:									

SAMPLE COLLECTION

Date: 10.23.08 Time: 1400 AM/(PM) Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: ____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC'S, NA

SAMPLING PERSONNEL

Name: ALISON SCHOEFF, JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 26 I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Rainy
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 37
Notes: GW26I-102708-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/27/08 Time: 8:15 AM/PM

Depth to Water: 13.62
Length of Well: 72'
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/27/08 Begin Time: 8:20 AM/PM End Time: AM/PM
Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ~200 ml/min or L/min

Notes: S = 0.01 mg/L Fe = 1.86 mg/L Mn = 0.8 mg/L

Time	Volume (gallons) approx.	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
8:25	0.1	14.23	7.65	852	1.65	4.39	10.36	-68	
8:30	0.5	14.47	7.39	834	1.32	2.4	10.24	-68	
8:35	0.9	14.59	7.35	833	1.03	1.37	10.08	-59	
8:40	1.2	14.65	7.33	831	1.00	1.17	10.08	-57	
8:45	1.8	14.65	7.32	830	0.98	1.16	10.06	-58	
8:50	2.2	14.65	7.32	829	0.96	1.12	10.05	-62	
8:55	2.6	14.65	7.31	828	0.81	0.97	10.06	-64	
9:00	3.0	14.65	7.31	827	0.82	0.97	10.04	-65	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 9:05 AM/PM
Method: Peristaltic
Appearance of Sample: Clear
Actual sample flow rate: 200 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW25 I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Cloudy / Rainy
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 38° F
Notes: Disposable tubing used GW25I-102708-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING 10:25

Date: 10/27/08 Time: 10:25 AM/PM

Depth to Water: 0.35"
Length of Well: 70'
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/27/08 Begin Time: 10:30 AM/PM
End Time: _____ AM/PM
Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

_____	ft	Length of well
_____	ft	- depth to water (before purge start)
_____	ft	= length of water column
_____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: 250 ml/min or L/min

Notes: S = 0.06 mg/L Fe = 1.61 mg/L Mn = 0.6 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:35	0.8	0.5'	7.40	809	1.87	6.04	10.46	-71	
10:40	1.2	0.5'	7.37	810	1.65	1.38	10.43	-80	
10:45	2.0	0.6'	7.38	809	1.28	0.92	10.21	-85	
10:50	3.0	0.6'	7.38	806	1.11	0.88	10.11	-87	
10:55	3.5	0.6'	7.37	805	0.95	0.76	9.97	-88	
11:00	4.0	0.6	7.37	804	0.96	0.74	9.96	-87	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 1105 AM/PM
Method: Peristaltic
Appearance of Sample: Clear
Actual sample flow rate: 200 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC NA

SAMPLING PERSONNEL

Name: AVTAR MANZ
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW25D

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Partly Cloudy

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 38°F

Notes:
Non-flowing artesian well; disposable tubing used; GW25D-102708-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/27/08 Time: 1120 AM/PM

Depth to Water: 0.6'
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/27/08 Begin Time: 10:25 AM/PM
End Time: AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 250 ml/min or L/min

Notes: S = 0 mg/L Fe = 0.86 mg/L Mn = 1.0 mg/L

Time	Volume (gallons) approx	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:30	0.8	0.7	7.62	865	1.71	0.66	10.59	-197	
10:35	1.3	0.7	7.61	868	1.62	0.57	10.24	-228	
10:40	2.0	0.7	7.55	869	1.41	0.57	10.14	-233	
10:45	2.5	0.7	7.51	869	1.13	0.56	10.09	-223	
11:50	3.0	0.7	7.48	870		0.57	10.09	-218	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 1155 AM/PM
Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: 200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW24I

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Cloudy
Notes: GW24I-102708-AM

Is cap locked? (YES) NO
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 38° F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/27/08 Time: 12:35 AM/(PM)

Depth to Water: 5.3'
Length of Well:

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/27/08 Begin Time: 1240 AM/PM
End Time: AM/PM

Purging Equipment:
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0 mg/L Fe = 2.09 mg/L Mn = 0.4 mg/L

Time	Volume (gallons) approx.	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
12:40	0.2	5.41	7.53	807	2.21	3.67	9.98	-91	
12:45	1.0	5.41	7.50	818	1.86	1.26	9.87	-119	
12:50	1.5	5.41	7.51	820	1.42	0.98	9.89	-133	
12:55	2.0	5.41	7.52	820	1.31	0.82	9.94	-141	
1300	2.5	5.41	7.51	819	1.25	0.62	9.93	-142	
1305	3.0	5.41	7.49	818	0.7	0.64	9.94	-144	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 1310 AM/PM Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOCs, NA

SAMPLING PERSONNEL

Name: Anton Manzi Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 24D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Rainy
Is cap locked? (YES) NO
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 38° F
Notes: GW24D-102708-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/27/08 Time: 13:20 AM/PM

Depth to Water: 1.3'
Length of Well:
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/27 Begin Time: 13:35 AM/PM
End Time: AM/PM
Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well	
____	ft	- depth to water (before purge start)	
____	ft	= length of water column	
____		x conversion factor (2" well) 0.49	
	Gallons	= 3 casing volumes	1.10

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: 200 (ml/min) or L/min

Notes: S = 0.04 mg/L Fe = ~~[illegible]~~ Mn = 1.0 mg/L

Time	Volume (gallons) Approx	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
13:35	1.0	2.37	7.42	852	0.78	1.97	9.88	-111	
13:40	1.4	2.39	7.41	850	0.78	0.93	9.82	-118	
13:45	1.8	2.39	7.41	849	0.74	0.75	9.79	-123	
13:50	2.2	2.42	7.40	850	0.72	0.69	9.82	-126	
13:55	2.7	2.42	7.40	848	0.70	0.68	9.85	-130	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 14:10 AM/PM
Method: Peristaltic
Appearance of Sample: Clear
Actual sample flow rate: 200 (ml/min) or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mavi
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW26D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? YES (NO)
Condition of well: Good
Weather: Rainy
Notes: GW26D-102708-AM

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 38 °F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/27/08 Time: 1430 AM/PM

Depth to Water: 10.82
Length of Well:

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/27/08 Begin Time: 1435 AM/PM
End Time: AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 200 (ml/min or) L/min

Notes: S = 0.02 mg/L, Fe = 3.02 mg/L Mn = 1.2 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1440	0.5	10.92	7.57	814	1.14	1.98	10.25	-142	
1445	1.0	10.92	7.58	816	0.80	1.23	10.21	-150	
1450	1.5	10.92	7.56	816	0.58	0.75	10.20	-148	
1455	2.0	10.92	7.55	816	0.54	0.74	10.18	-111	
1500	2.5	10.92	7.54	815	0.50	0.69	10.17	-114	
Final:									

SAMPLE COLLECTION

Date: 10/27/08 Time: 1505 AM/PM
Method: Peristaltic

Appearance of Sample: clear
Actual sample flow rate: 200 (ml/min or) L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: ANTAR MAVI
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** MW-2I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K.
Weather: OVERCAST, RAIN
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 43°F
Notes: SAMPLE ID#: MW2I-102708-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.27.08 Time: 0815 AM/PM

Depth to Water: 22.72
Length of Well: 63.00
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.27.08 Begin Time: 0820 AM/PM
End Time: AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: S = 1.76 mg/L (x4), Mn = 0.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 0900	-	22.80	6.82	625	95	2.67	9.93	-90.6	
0905	-	22.80	6.83	626	91	2.83	9.90	-90.5	
0910	-	22.80	6.85	626	87	2.75	9.86	-88.4	
0915	-	22.80	6.85	626	79	2.62	9.87	-90.5	3.27
Final:									

SAMPLE COLLECTION

Date: 10.27.08 Time: 0825 AM/PM
Method: 2" BLADDER

Appearance of Sample:
Actual sample flow rate: 200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC'S, NA

SAMPLING PERSONNEL

Name: JOHN YANCHUA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** MW-3I

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: O.K.
Weather: overcast, RAIN
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 43°F
Notes: SAMPLE ID#: MW3I-102708-3Y

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.27.08 Time: 0950 AM/PM

Depth to Water: 30.70
Length of Well: 80.00
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.27.08 Begin Time: 0955 AM/PM
End Time: _____ AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

_____	ft	Length of well
_____	ft	- depth to water (before purge start)
_____	ft	= length of water column
_____		x conversion factor (2" well) 0.49
_____	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: 220 ml/min or L/min

Notes: Fe = 0.63 mg/L, Mn = 0.5 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1025	–	30.70	7.05	581	75	2.93	9.49	-96.0	
1030	–	30.70	7.08	584	62	4.71	9.46	-85.4	
1035	–	30.70	7.08	584	57	4.10	9.46	-86.2	
1040	–	30.70	7.08	586	50	3.20	9.46	-87.9	
1045	–	30.70	7.08	587	48	2.91	9.46	-87.4	
1050	–	30.70	7.08	587	49	2.88	9.46	-87.9	
1055	–	30.70	7.08	587	49	2.74	9.45	-85.1	1.85
Final:									

SAMPLE COLLECTION

Date: 10.27.08 Time: 1100 AM/PM
Method: 2" BLADDER
Appearance of Sample: CLEAR
Actual sample flow rate: 220 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** RW-2

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: O.K
Weather: P. CLOUDY, BREEZY
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 44°F
Notes:
SAMPLE ID#: RW2-102708-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.27.08 Time: ~~48.48~~ 1135 AM/(PM)
Depth to Water: 48.48
Length of Well:
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.27.08 Begin Time: 1145 AM/(PM) End Time: AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 175 (ml/min) or L/min

Notes: S = 0.70 mg/L, Mn = 0.4 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1220	–	48.58	7.20	567	190	2.31	10.70	-9.0	
1225	–	48.58	7.19	570	178	2.18	10.72	-12.7	
1230	–	48.58	7.19	581	154	2.10	11.02	-14.6	
1235	–	48.58	7.20	584	137	2.50	11.55	-11.6	
1240	–	48.58	7.14	588	114	2.59	11.42	-4.2	
1245	–	48.58	7.18	594	97	2.34	11.20	-5.1	
1250	–	48.58	7.09	599	89	2.02	11.12	-5.1	
1255	–	48.58	7.12	601	80	1.93	11.35	-5.9	
1300	–	48.58	7.15	609	72	1.89	11.24	-6.4	
1305	–	48.58	7.15	610	69	1.82	11.40	-8.9	0.22
Final:									

SAMPLE COLLECTION

Date: 10.27.08 Time: 1310 AM/PM
Method: 2" BLADDER
Appearance of Sample: CLEAR
Actual sample flow rate: 175 (ml/min) or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: PW-9**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? YES (NO)
Condition of well: O.K.
Weather: PARTLY CLOUDY, BREEZY
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 44° F

Notes: SAMPLE ID #: PW9-102708-JY AND PW9R-102708-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.27.08 Time: 1345 AM/PM

Depth to Water: 42.99
Length of Well: 100.00
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.27.08 Begin Time: 1400 AM/(PM) Purging Equipment: 2" BLADDER
End Time: AM/PM Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	Yield:	(HIGH) LOW
ft	- depth to water (before purge start)	If low, recovery time:	
ft	= length of water column		
	x conversion factor (2" well) 0.49	Actual volume purged:	gallons
Gallons	= 3 casing volumes	Actual purge flow rate: 215	ml/min or L/min

Notes: S= 0.0 mg/L, Mn= 0.3 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1425	–	42.99	7.16	584	3	6.12	10.76	78.8	
1430	–	42.99	7.17	583	3	5.63	10.72	75.8	
1435	–	42.99	7.18	582	3	4.74	10.49	72.6	
1440	–	42.99	7.20	582	2	4.28	10.31	63.3	
1445	–	42.99	7.21	581	2	4.18	10.32	39.0	
1450	–	42.99	7.24	581	2	4.03	10.37	8.9	
1455	–	42.99	7.28	581	2	3.99	10.35	-28.2	
1500	–	42.99	7.31	582	2	3.96	10.81	-70.1	
1505	–	42.99	7.34	584	3	4.02	10.90	-75.3	
1510	–	42.99	7.37	583	2	4.01	10.55	-72.8	0.25
Final:									

SAMPLE COLLECTION

Date: 10.27.08 Time: 1315 AM/PM Method: 2" BLADDER

Appearance of Sample: CLEAR Actual sample flow rate: 215 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC'S, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** MW-102D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Good
Weather: Cloudy
Notes: MW 102D-102808-AM

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 31°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/28/08 Time: 8:10 (AM)/PM

Depth to Water: 15.95
Length of Well: 116.5

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/28/08 Begin Time: 8:25 (AM)/PM
End Time: _____ AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well	
	ft	- depth to water (before purge start)	
	ft	= length of water column	
		x conversion factor (2" well) 0.49	
	Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: 3.2 gallons
Actual purge flow rate: 200 (ml/min) or L/min

Notes: S = 0.0 mg/L Fe = 0.0 mg/L Mn = 0.1 mg/L

Time	Volume (gallons) approx	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
8:35	1.0	16.45	8.19	86	1.65	1.39	9.65	-78	
8:40	1.6	16.52	8.21	85	1.38	0.93	9.85	-85	
8:45	2.0	16.45	8.21	84	1.35	1.14	9.86	-86	
8:50	2.4	16.45	8.21	89	1.33	0.90	9.88	-83	
8:55	2.8	16.45	8.22	85	0.95	0.82	9.87	-79	
9:00	3.2	16.45	8.22	84	0.92	0.80	9.81	-85	
Final:									

SAMPLE COLLECTION

Date: 10/28/08 Time: 9:10 (AM)/PM
Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: 200 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mann
Company: AEM G

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CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 5D

INSPECTION

Label on well? Needs to be remarked (YES) NO
Is cap locked? YES (NO)
Is reference mark visible? YES NO
Standing water present? YES (NO)
Condition of well: Okay - needs paint on protective casing (corrosion)
Any indication of surface runoff in well? YES (NO)
Weather:
Air Temperature: 31°F
Notes: GW5D-102808-AM + GW5DMS/MSD-102808-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/28/08 Time: 9:45 AM/PM

Depth to Water: 1.69
Length of Well: 95.5
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/28/08 Begin Time: 9:45 AM/PM
End Time: AM/PM
Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: well recharging very slow - pump adjusted to minimum flow rate of 50mL/min

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1030	2.5	12.65	8.17	807	68	14.41	5.18	-23	
1035	2.6	12.66	8.21	807	75	14.27	6.01	-10	
1040	2.7 tubing/pump issues - - reinserted new tubing.								
1205	—	13.67	7.83	774	59	2.96	6.76	-82	
1210	-	18.65	7.85	790	48	2.50	6.79	-98	
1215	-	18.65	7.86	793	85	1.45	6.70	-100	
1220		19.66	7.86	795	75	1.14	6.69	-99	
1225		23.57	7.86	801	76	0.92	6.65	-103	
Final:									

SAMPLE COLLECTION

Date: 10/28/08 Time: AM/PM
Method: Peristaltic

Appearance of Sample: Slight turbid (v. slightly cloudy)
Actual sample flow rate: 50-100 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: ~~VOC~~ NA

SAMPLING PERSONNEL

Name: Arturo Mauri
Company: AEMG

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Continued on Page 2 of 2

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW5D

INSPECTION

Label on well?	YES	NO	Is cap locked?	YES	NO
Is reference mark visible?	YES	NO	Standing water present?	YES	NO
Condition of well:			Any indication of surface runoff in well?	YES	NO
Weather:			Air Temperature:		

Notes: No artesian flow, very slow recharge

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE

Length of Well: Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/28/08 Begin Time: AM/PM Purging Equipment: Peristaltic

End Time: 1245 AM/PM Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	Yield:	HIGH	LOW
ft	- depth to water (before purge start)	If low, recovery time:		
ft	= length of water column			
	x conversion factor (2" well) 0.49	Actual volume purged:	4.5	gallons
Gallons	= 3 casing volumes	Actual purge flow rate:	50-100	ml/min or L/min

Notes: S = 0.39 mg/L Fe = 0.46 mg/L Mn = 0.6 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
~~1230~~									
1230		25.67	7.86	800	78	0.87	6.62	-104	
1235		28.75	7.86	803	75	0.76	6.57	-103	
1240		29.82	7.87	802	74	0.68	6.75	-108	
1245		32.31	7.87	801	78	0.71	6.88	-102	
Final:									

SAMPLE COLLECTION

Date: 10/28/08 Time: 1255 AM/PM Method: Peristaltic

Appearance of Sample: Slightly Turbid (v. slight cloudiness) Actual sample flow rate: 50-100 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mani Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** RW-5S

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: OK
Weather: SUNNY, BREEZY
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 50°F
Notes:
SAMPLE ID: RW5S-102108-JY AND RW5SR-102108-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.21.08 Time: 1545 AM/(PM)

Depth to Water: 38.24
Length of Well:
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.21.08 Begin Time: 1550 AM/PM
End Time: 17 AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: 180 ml/min or L/min

Notes: S = 0.04 mg/L Fe = 2.52 x 2 = 5.04 mg/L Mn = 0.3 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 16.25	~~16.25~~	39.26	7.59	628	30	2.50	12.00	38.0	
16.30	–	39.26	7.60	629	12	2.65	12.02	6.4	
1635	–	39.26	7.12	630	9	2.62	11.92	17.3	
1640	–	39.26	7.19	630	9	2.61	11.92	16.2	
1645	–	39.26	7.22	630	8	2.60	11.93	10.5	
1650	–	39.26	7.25	631	6	2.60	11.94	8.4	
Final:									

SAMPLE COLLECTION

Date: 10.21.08 Time: 1655 AM/PM
Method: 2" BLADDER

Appearance of Sample: CLEAR
Actual sample flow rate: 180 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 22I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Partly Cloudy, 45°F
Notes: GW 22I-102008-AM

Is cap locked? YES NO — broken
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/21 Time: 9:00 AM/PM

Depth to Water: 19.33
Length of Well: 91.00'

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 9:05 AM/PM End Time: 10:00 AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ~~200~~ gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: S = 0.00 mg/L Mn = 0.8 mg/L Fe = 1.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
9:10	Meter not working	19.40	12.8	0.559	10.2	10.1	10.41	-79.7	
	properly. Called Geotech. Brought meter to room temp. or restarted								
9:40	2 gal	19.38	9.78	0.556	9.5	2.26	10.01	-98.7	
9:45		19.36	11.45	0.555	8.6	1.01	10.15	-122.9	
10:00	3 gal	19.36		0.555	8.2	0.98	10.15	-124	
pH still not working properly									
Final:									

SAMPLE COLLECTION

Date: 10/21/08 Time: 10:15 AM/PM

Method: Peristaltic

Appearance of Sample: Clear

Actual sample flow rate: 150 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW22S

INSPECTION

Label on well? (YES) NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Sunny, 55°F
Notes:

Is cap locked? (YES) NO
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/21/08 Time: AM/PM

Depth to Water: 22.32'
Length of Well: 57.0'

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 11:30 (AM)/PM End Time: 12:15 AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 2.5 gallons
Actual purge flow rate: 200 (ml/min) or L/min

Notes: S = 0.0 mg/L Fe = 1.58 mg/L Mn = 0.7 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:45	1.0 gal	22.91	5.87	0.553	3.5	1.36	10.43	-146.2	
11:55	1.5 gal	22.95	6.06	0.551	2.12	1.23	10.34	-144.1	
12:05	~2.0	22.95	6.07	0.549	1.80	1.07	10.51	-152.8	
12:10	~2.3	22.95	6.07	0.549	1.74	0.93	10.69	-158.8	
12:15	2.5	22.95	6.06	0.548		0.93	10.90	-167	
	pH readings still not working properly after calibration.								
Final:									

SAMPLE COLLECTION

Date: 10/21/08 Time: 12:15 (AM)/PM Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: 200 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI Company: AEMC

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW 22D

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Sunny 60°F
Notes: GW22D-102008-AM

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/21/08 Time: 1:05 AM/PM

Depth to Water: 10.51
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 1:05 AM/PM End Time: 1:30 AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 2.3 gallons
Actual purge flow rate: 250 ml/min or L/min

Notes: S = 0.0 mg/L Fe = 0.37 mg/L Mn = 0.5 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1:05	0.1	10.53	6.91	0.569	1.95	0.81	10.89	-225	
1:15	1.0	10.53	6.98	0.569	1.55	0.69	10.79	-192	
1:20	1.4	10.53	7.04	0.570	0.88	0.67	10.66	-187.5	
1:25	1.8	10.53	7.12	0.570	0.62	0.69	10.72	-186.3	
1:30	2.3	10.55	7.11	0.570	0.61	0.70	10.70	-184.3	
Final:									

SAMPLE COLLECTION

Date: 10/21/08 Time: 1:35 AM/PM Method: Peristaltic

Appearance of Sample: Clear.
Actual sample flow rate: 250 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR Mani Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW23I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Partly Cloudy
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 60°F
Notes:
Sample ID: GW23I-102008-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: 7.05'
Length of Well: 100.0'
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 1:50 AM/PM End Time: 2:20 AM/PM
Purging Equipment: Peristaltic pump
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

___	ft	Length of well	
___	ft	- depth to water (before purge start)	
___	ft	= length of water column	
___		x conversion factor (2" well) 0.49	
	Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ~2.5 gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: S = 0.13 mg/L Fe = 0.39 mg/L, Mn = 1.4 mg/L

Time	Volume (gallons) approx	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
1:50pm	0.2	7.05	6.01	0.571	2.07	4.56	11.65	-172	
1:55pm	0.5	7.10	6.44	0.560	1.47	1.78	11.37	-185	
2:00pm	0.9	7.10	6.52	0.558	0.99	1.19	11.68	-214	
2:05pm	1.4	7.10	6.71	0.564	0.93	1.01	10.96	-221	
2:10pm	1.8	7.10	6.88	0.566	0.87	0.94	10.68	-223	
2:15	2.1	7.10	6.91	0.568	0.86	0.80	10.00	-224	
2:20	2.5	7.1	6.95	0.566	0.85	0.74	11.67	-223	
Final:									

1 well

SAMPLE COLLECTION

Date: 10/21/08 Time: 2:20 AM/PM
Method: Peristaltic
Appearance of Sample: clear
Actual sample flow rate: 150 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MAVI Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW23S

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Sunny 60°F
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 60°F
Notes: SampleID=GW23S-102008-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/21/08 Time: 2:35 AM/PM

Depth to Water: 6.46'
Length of Well: 46.0'
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 2:40 AM/PM
End Time: _____ AM/PM
Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

_____ ft Length of well
_____ ft - depth to water (before purge start)
_____ ft = length of water column
_____ x conversion factor (2" well) 0.49
_____ Gallons = 3 casing volumes

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: 2.0 gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: S = 0.0 mg/L, Fe = 2.07 mg/L, Mn = 0.7 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
2:40		6.50	7.10	0.559	1.02	0.50	10.92	-198	
2:45		6.50	7.21	0.559	0.98	0.48	10.85	-195	
2:50		6.49	7.48	0.559	0.65	0.43	10.73	-185	
2:55	2.0 gal	6.49	7.54	0.559	0.62	0.44	10.68	185	
Final:									

SAMPLE COLLECTION

Date: 10/21/08 Time: 3 AM/PM
Method: Peristaltic
Appearance of Sample: Clear
Actual sample flow rate: 150 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Arjan Mewi
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW23D

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Good
Weather: Sunny
Notes: GW23D-102008-AM

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 60°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/21/08 Time: 3:20 AM/PM

Depth to Water: 4.87
Length of Well: 130'

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/21/08 Begin Time: 3:20 AM/PM End Time: 3:40 AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: ____
Actual volume purged: 1.1 gallons
Actual purge flow rate: 150 ml/min or L/min

Notes: S = 0.73x2 = 1.46 mg/L, Fe = 0.1 mg/L, Mn = 1.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
3:20	0	4.87	6.51	0.550	1.65	2.80	11.38	-180	
3:25	0.2	5.52	6.78	0.549	0.85	1.97	11.21	-199	
3:30	0.5	5.78	6.94	0.549	0.78	1.54	11.16	-221	
3:35	0.8	5.79	6.95	0.549	0.65	1.38	11.11	-225	
3:40	1.1	5.79	6.94	0.550	0.62	1.29	11.23	-228	
Final:									

SAMPLE COLLECTION

Date: 10/21/08 Time: 3:45 AM/PM Method: Peristaltic

Appearance of Sample: Clear Sulfur odor
Actual sample flow rate: 150 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mavi Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-3I**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: O.K.
Weather: CLEAR, CALM
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 45°F
Notes: SAMPLE ID: GW3I-102208-JY AND EB3-102208-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.22.08 Begin Time: 0835 (AM)/PM End Time: AM/PM
Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.00 mg/L, Mn = 0.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 0850	–	–	8.29	619	5	1.13	9.75	-131.5	
0855	–	–	8.24	619	5	0.82	9.72	-134.6	
0900	–	–	8.18	619	5	0.59	9.72	-130.0	
0905	–	–	8.15	620	4	0.52	9.76	-132.2	
0910	–	–	8.18	620	4	0.46	9.75	-129.5	
0915	–	–	8.29	620	4	0.38	9.78	-126.7	
0920	–	–	8.30	620	4	0.31	9.77	-122.2	
0925	–	–	8.27	620	4	0.27	9.77	-114.4	
0930	–	–	8.25	620	4	0.23	9.76	-102.3	
0935	–	–	8.21	620	4	0.19	9.78	-91.1	1.60
Final:									

SAMPLE COLLECTION

Date: 10.22.08 Time: 0940 (AM)/PM
Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHUK / ALISON SCHOEFF
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-6D**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: ok
Weather: Clear, calm, 51°F
Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 51°F
Notes: Sample ID: GW6D-102208-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 1015 (AM)/PM
End Time: AM/PM
Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S = 0.0 mg/L, M_{Mn} = 0.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1035	–	–	8.31	540	2	0.34	9.78	-132.1	
1040	–	–	8.35	540	2	0.30	9.77	-128.4	
1045	–	–	8.37	541	2	0.39	9.77	-123.2	
1050	–	–	8.40	540	2	0.10	9.77	-119.1	
1055	–	–	8.40	540	2	0.20	9.77	-112.4	
1100	–	–	8.41	541	2	0.19	9.77	-107.3	
1105			8.43	541	2	0.18	9.78	-101.8	1.41
Final:									

SAMPLE COLLECTION

Date: 10/22/08 Time: 1110 AM/PM
Method: ARTESIAN
Appearance of Sample: CLEAR
Actual sample flow rate: ____ ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC'S, MA

SAMPLING PERSONNEL

Name: John Yanchula/Alison Schoff
Company: EarthTech AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-5I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: POOR
Weather: CLEAR, CALM
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 54°F
Notes: SAMPLE ID: GW5I-102208-JY AND FB3-102208-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: ARTESIAN Time: AM/PM

Depth to Water: _____
Length of Well: _____
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.22.08 Begin Time: 1130 AM/PM Purging Equipment: ARTESIAN
End Time: _____ AM/PM Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

_____	ft	Length of well
_____	ft	- depth to water (before purge start)
_____	ft	= length of water column
_____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: _____ ml/min or L/min

Notes: S= 0.02 mg/L, Mn = 0.2 mg/L ~~0.2~~

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1145	–	–	8.22	615		2.03	9.99	-40.1	
1150	–	–	8.17	615		1.84	9.99	-69.2	
1155	–	–	8.24	615		1.66	10.02	-86.3	
1200	–	–	8.25	615		1.48	10.07	-93.0	
1205	–	–	8.25	615		1.36	10.09	-98.2	1.52
Final:									

SAMPLE COLLECTION

Date: 10.22.08 Time: 1210 AM/~~PM~~ Method: ARTESIAN

Appearance of Sample: CLEAR Actual sample flow rate: _____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHUA, ALISON SCHOEFF Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-18

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: OK
Weather: 55°F, CLEAR, BREEZY
Notes: SAMPLE ID: GW18-102208-JY

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: ARTESIAN Time: AM/PM

Depth to Water:
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.22.08 Begin Time: 1210 AM/PM End Time: 1300 AM/PM

Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.0 mg/L Mn = 0.3 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1235	–	–	8.28	602	9	0.46	9.75	-106.3	
1240	–	–	8.82	602	7	0.30	9.75	-124.0	
1245	–	–	8.89	602	7	0.25	9.76	-125.9	
1250	–	–	8.93	602	5	0.25	9.74	-128.3	
1255	–	–	8.99	602	5	0.24	9.75	-129.0	1.41
Final:									

SAMPLE COLLECTION

Date: 10.22.08 Time: 1300 AM/PM Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCITUS / ALISON SCHOFF Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: MW-107I**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? YES (NO)
Condition of well: Good
Weather: Clear, Calm
Notes:

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 1520 AM/(PM) End Time: 1610 AM/PM

Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
____	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S = 0.0 mg/L Mn = 0.0 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1540	–	–	8.45	580	41	1.26	9.45	-133.5	
1545	–	–	8.42	580	37	0.83	9.43	-139.0	
1550	–	–	8.41	580	20	0.69	9.41	-142.3	
1555	–	–	8.38	579	11	0.61	9.41	-137.8	
1600	–	–	8.37	579	7	0.51	9.42	-138.3	
1605	–	–	8.37	578	5	0.45	9.40	-139.5	1.98
Final:									

SAMPLE COLLECTION

Date: 10/22/08 Time: 1610 AM/PM Method:

Appearance of Sample: Actual sample flow rate: ____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED:

SAMPLING PERSONNEL

Name: Company:

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW16

INSPECTION

Label on well? YES (NO) Is cap locked? YES (NO)
Is reference mark visible? YES (NO) Standing water present? YES (NO)
Condition of well: Good Any indication of surface runoff in well? YES (NO)
Weather: Partly Cloudy Air Temperature: 27°F
Notes: GW16-102008-AM & GW16R-102008-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/22/08 Time: 8:00 (AM)/PM

Depth to Water: 14.7' Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Length of Well: 49.5 Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 8:05 (AM)/PM Purging Equipment: Peristaltic pump
End Time: _____ AM/PM Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well	Yield:	HIGH LOW
____	ft	- depth to water (before purge start)	If low, recovery time:	____
____	ft	= length of water column		
____		x conversion factor (2" well) 0.49	Actual volume purged:	3.0 gallons
	Gallons	= 3 casing volumes	Actual purge flow rate:	200 (ml/min) or L/min

Notes: S = 0 Fe = 0.46 mg/L Mn = 0.5 mg/L

Time	Volume (gallons) approx	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
8:10	0.1	14.5	7.61	0.515	2.67	1.9	9.76	70.2	
8:20	0.6	14.78	7.76	0.497	2.62	1.40	9.64	65.4	
8:25	1.2	14.78	7.79	0.495	1.98	1.01	9.59	66.1	
8:30	1.8	14.78	7.80	0.488	1.98	0.84	9.53	64.3	
8:35	2.3	14.78	7.79	0.492	2.08	0.79	9.28	-12.0	
8:45	2.8	14.76	7.67	0.493	2.09	0.88	9.15	-74.2	
8:50	3.0	14.76	7.64	0.487	2.09	0.89	9.36	-76.0	
Final:									

SAMPLE COLLECTION

Date: 10/22/08 Time: AM/PM Method: Peristaltic

Appearance of Sample: Clear Actual sample flow rate: 150 (ml/min) or L/min

SAMPLE BOTTLE(S) COLLECTED: VOCs, NA

SAMPLING PERSONNEL

Name: Arfan Mavi Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** DNR3

INSPECTION

Label on well? YES (NO)
Is reference mark visible? YES (NO)
Condition of well: Okay
Weather: Sunny
Notes: Weak artesian well

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 30°F

DNR3-102008-AM

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/22/08 Time: 10:40 (AM)/PM

Depth to Water: —
Length of Well: —

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 10/40 (AM)/PM
End Time: AM/PM

Purging Equipment: Natural flow
Decontamination: PRE STEAM CLEANED / DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ~5 gallons
Actual purge flow rate: 300 (ml/min or) L/min

Notes: S = 0.0 mg/L Fe = 1.6 mg/L, Mn = 0.2 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:45		—	7.98	0.509	3.68	3.35	10.21	-119	
10:50		—	7.98	0.514	3.41	1.51	10.30	-127	
10:55		—	7.91	0.519	3.02	1.22	10.06	-119	
11:00		—	7.75	0.530	3.58	1.05	10.01	-101	
11:05		—	7.63	0.534	3.64	1.01	9.89	-89	
11:10		—	7.51	0.538	3.57	0.93	9.84	-79	
11:15			7.46	0.539	2.27	1.12	9.81	-75	
11:20			7.44	0.539	2.31	1.23	9.78	-74	
11:25			7.44	0.539	1.92	1.17	9.78	-73	
Final: 11:30			7.43	0.539	1.90	1.15	9.79	-72	

SAMPLE COLLECTION

Date: 10/22/08 Time: 11:35 (AM)/PM Method:

Appearance of Sample: Clear
Actual sample flow rate: 200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AYAR MANJ Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-17I**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: Poor
Weather: Clear, Calm, 53°F
Notes: Well riser broke below surface.

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 53°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/22/08 Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 1300 AM/(PM) End Time: 1355 AM/(PM)

Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time: ____
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S = NA mg/L Mn = 0.2 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1325	—	—	8.32	607	6	0.68	9.83	-117.2	
1330	—	—	8.52	607	3	0.57	9.83	-106.2	
1335	—	—	8.56	607	1	0.46	9.84	-129.2	
1340	—	—	8.53	607	1	0.43	9.82	-127.7	
1345	—	—	8.48	607	1	0.45	9.84	-128.7	
1350	—	—	8.56	608	1	0.49	9.81	-132.6	1.6
Final:									

SAMPLE COLLECTION

Date: 10.22.08 Time: 1355 AM/PM Method: ____

Appearance of Sample: CLEAR
Actual sample flow rate: ____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: Company:

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: GW-17D**

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: good
Weather: Clear, calm
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 66°F
Notes: Reference mark is now visible. SAMPLE ID: GW17D-102208-JY (1505) GW17DR-102208-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/22/08 Time: AM/PM

Depth to Water: ARTESIAN
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/22/08 Begin Time: 1400 AM/PM End Time: AM/PM
Purging Equipment: ARTESIAN
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S = 0 mg/L Mn = [illegible] mg/L Fe = 2.16

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1435	—	—	8.80	615	2	1.04	10.00	-118.8	
1440	—	—	8.74	614	2	0.60	10.05	-126.9	
1445	—	—	8.75	614	2	0.50	9.89	-134.0	
1450	—	—	8.78	615	2	0.44	9.86	-131.5	
1455	—	—	8.86	614	2	0.44	9.86	-133.5	2.16
Final:									

SAMPLE COLLECTION

Date: 10.22.08 Time: 1500 AM/PM Method: ARTESIAN

Appearance of Sample: CLEAR
Actual sample flow rate: ____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOYAL YANCHULA / ALISON SCHOOFF Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** RW 1

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: OK
Weather: Partly Cloudy 60°F
Notes: RW1-102008-AM

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/20/08 Time: 9:50 AM/PM

Depth to Water: 18.83
Length of Well: 30.0

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/20/08 Begin Time: 10:15 AM/PM
End Time: AM/PM

Purging Equipment: Peristaltic pump
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

30	ft	Length of well
18.83	ft	- depth to water (before purge start)
11.17	ft	= length of water column
5.47		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 5 gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.00 mg/L, Mn = 0.0 mg/L, Fe = 0.08

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
10:15	0	19.98	7.62	0.589	3.24	16.3	11.20	95.7	
10:20	0.6	19.46	7.55	0.546	1.71	10.9	10.52	10.5	
10:25	1.0	19.50	7.49	0.529	1.15	9.9	10.41	-16.7	
10:30	1.5	19.28	7.47	0.522	0.90	9.9	10.41	-28.6	
10:35	2.0	19.26	7.47	0.523	0.85	11.5	10.33	-32.5	
10:40	2.4	19.26	7.46	0.524	0.81	11.7	10.30	-31.4	
10:45	3.0	19.26	7.45	0.522	0.85	12.0	10.28	-29	
10:50	3.5	19.26	7.44	0.520	0.70	10.8	10.30	-27.4	
10:57	4.2	19.26	7.44	0.519	0.72	9.9	10.21	-25.9	
Final: 11:05	5.0	19.26	7.44	0.517	0.71	8.9	10.17	-24.8	0.08 mg

SAMPLE COLLECTION

Date: 10/20/08 Time: 11:10 AM/PM
Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: ~200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mann
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** MW-103S

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K.
Weather: 60°F, OVERCAST, BREEZY
Notes:

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.20.08 Time: 1015 AM/PM

Depth to Water: 39.91
Length of Well: 98.0

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1020 AM/PM End Time: 1145 AM/PM

Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 250 ml/min or L/min

Notes: S = 0.04 mg/L Mn = 0.6 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1045		40.00	7.03	604	62	1.92	12.10	-86.2	
1050		40.00	7.05	606	28	1.61	12.08	-88.9	
1055		40.00	7.07	607	22	1.42	12.10	-91.2	
1100		40.00	7.08	607	19	1.36	12.13	-91.4	
1105		40.00	7.11	608	16	1.26	12.19	-92.7	
Final:		40.0	7.12	609	15	1.19	12.21	-92.9	1.84

SAMPLE COLLECTION

Date: 10.20.08 Time: 1110 AM/PM Method: 2" BLADDER

Appearance of Sample: CLEAR
Actual sample flow rate: 250 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA SAMPLE ID: MW103S-102008-JY

SAMPLING PERSONNEL

Name: JOHN YANCHULA Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** RW1D

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: Okay
Weather:
Notes: RW1D-102008-AM

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: 18.57
Length of Well: 69.5

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/20/08 Begin Time: 12:20 AM/PM
End Time: AM/PM

Purging Equipment: Peristaltic
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: 3 gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: Mn = 0.1 mg/L, Fe = 0.19 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
12:20	0.0	18.67	7.94	0.508	2.0	0.89	10.87	-99.9	
12:30	2.0	18.67	7.80	0.506	1.46	0.870	10.07	-76.3	
12:40	2.5	18.60	7.79	0.507	1.46	0.83	10.39	-82.9	
12:45	2.7	18.60	7.79	0.507	1.45	0.81	10.43	-84.9	
Final: 1255	3	18.60	7.79	0.507	1.44	0.80	10.42	-84.7	

SAMPLE COLLECTION

Date: 10/20/08 Time: 12:55 AM/PM
Method: Peristaltic

Appearance of Sample: Clear
Actual sample flow rate: 200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: Avtar Mavi
Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: DNR-7**

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: OK
Weather: P. CLOUDY, BREEZY
Notes: SAMPLE ID: DNR7-102008-JY

Is cap locked? YES (NO)
Standing water present? YES (NO)
Any indication of surface runoff in well? YES (NO)
Air Temperature: 60°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.20.08 Time: 1220 ~~AM/PM~~

Depth to Water: 36.33
Length of Well: 81.00

Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1235 AM/(PM) Purging Equipment: 2" BLADDER
End Time: _____ AM/PM Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: (HIGH) LOW
If low, recovery time: _____
Actual volume purged: _____ gallons
Actual purge flow rate: 220 ml/min or L/min

Notes: S = 0.40 mg/L, M_n = 0.2 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1255		36.39	7.25	573	76	0.91	10.98	-94.1	
1300		36.39	7.22	575	64	1.07	11.04	-90.1	
1305		36.39	7.18	579	57	1.16	11.29	-86.6	
1310		36.39	7.17	580	56	1.28	11.33	-85.3	
1315		36.39	7.16	582	54	1.29	11.35	-82.1	
1320		36.39	7.14	581	51	1.28	11.36	-81.4	1.88
Final:									

SAMPLE COLLECTION

Date: 10.20.08 Time: 1325 AM/(PM) Method: 2" BLADDER

Appearance of Sample: CLEAR
Actual sample flow rate: 220 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** PW-6

INSPECTION

Label on well?	YES	NO	Is cap locked?	YES	NO
Is reference mark visible?	YES	NO	Standing water present?	YES	NO
Condition of well:			Any indication of surface runoff in well?	YES	NO
Weather:			Air Temperature:		

Notes: SAMPLE ID - PW6-102008-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water: Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE

Length of Well: Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1400 AM/PM Purging Equipment: RUN PUMP

End Time: AM/PM Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	Yield:	HIGH	LOW
ft	- depth to water (before purge start)	If low, recovery time:		
ft	= length of water column			
	x conversion factor (2" well) 0.49	Actual volume purged:		gallons
Gallons	= 3 casing volumes	Actual purge flow rate:	118	~~ml/min or~~ ~~L/min~~ gal/min

Notes: S=0.00 mg/L, Mn=0.2 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1415	–	–	7.37	584	8	1.73	10.46	-82.9	
1420	–	–	7.33	584	7	1.56	10.47	-81.2	
1425	–	–	7.29	584	6	1.46	10.47	-79.5	
1430	–	–	7.28	583	6	1.39	10.48	-79.8	
1435	–	–	7.26	583	5	1.40	10.49	-78.7	1.24
Final:									

SAMPLE COLLECTION

Date: 10.20.08 Time: 1440 AM/PM Method: PUMPING WELL

Appearance of Sample: CLEAR Actual sample flow rate: 118 gal/min ~~ml/min or~~ ~~L/min~~

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: PW-4**

INSPECTION

Label on well? ~~YES~~ NO
Is reference mark visible? ~~YES~~ NO
Condition of well:
Weather: INSIDE BUILDING
Is cap locked? ~~YES~~ NO
Standing water present? ~~YES~~ NO
Any indication of surface runoff in well? YES ~~NO~~
Air Temperature:
Notes: SAMPLE ID: PW4-102008-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water:
Length of Well:
Measured with: ELECTRONIC TAPE ~~CHALK & STEEL TAPE~~
Decontamination: PRE STEAM CLEANED ~~DI WATER~~ OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1445 AM/PM
End Time: AM/PM
Purging Equipment: PUMPING WELL
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 118 ~~ml/min or~~ ~~L/min~~ gal/min

Notes: S= 0.00 mg/L, Mn = 1.2 mg/L
- DO will not stabalize due to turbulants into bucket

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1505	–	–	7.20	581	6	3.43	10.65	-72.0	
1510	–	–	7.19	581	6	3.26	10.66	-69.4	
1515	–	–	7.19	581	6	2.77	10.67	-68.5	
1520			7.18	581	6	2.25	10.66	-68.6	1.78
Final:									

SAMPLE COLLECTION

Date: 10.20.08 Time: 1525 AM/PM
Method: PUMPING WELL
Appearance of Sample: CLEAR
Actual sample flow rate: 118 gal/min ~~ml/min or~~ ~~L/min~~
SAMPLE BOTTLE(S) COLLECTED: VOC's / HA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** PW-1

INSPECTION

Label on well? YES / NO
Is reference mark visible? YES / NO
Condition of well:
Weather:
Is cap locked? YES / NO
Standing water present? YES / NO
Any indication of surface runoff in well? YES / NO
Air Temperature:
Notes: SAMPLE ID: PW1-102008-JY AND PW1MS/MSD-102008-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water:
Length of Well:
Measured with: ELECTRONIC TAPE / CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED / DI WATER / OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1530 AM/PM End Time: AM/PM
Purging Equipment: PUMPING WELL
Decontamination: PRE STEAM CLEANED / DI WATER / OTHER

CALCULATION OF 3 CASING VOLUMES

ft Length of well
ft - depth to water (before purge start)
ft = length of water column
x conversion factor (2" well) 0.49
Gallons = 3 casing volumes

Yield: HIGH / LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 125 ~~ml/min or L/min~~ gal/min

Notes: S = 0.00 mg/L, MN: 0.0 mg/L
DO will not stabilize due to turbulants in bucket

Time	Volume (gallons)	Depth to Water (feet)	pH (SU)	Conductivity (umhos/cm)	Turbidity (NTU)	D.O. (mg/L)	Temp (°C)	ORP	Ferrous Iron (mg/L)
1555		<0.33'	+/- 0.1	+/- 3%	+/- 10%	+/- 10%	+/- 5°	+/- 10 mV	
Start: ~~1530~~	–	–	7.16	560	3	4.02	10.19	-68.0	
1600	–	–	7.17	560	3	3.73	10.21	-70.8	
1605	–	–	7.17	560	2	3.61	10.21	-72.6	~~1.70~~
1610	–	–	7.17	560	2	3.08	10.21	-74.1	
1615	–	–	7.17	560	2	2.68	10.22	-74.7	1.70
Final:									

SAMPLE COLLECTION

Date: 10.20.08 Time: 1620 AM/PM
Method: PUMPING WELL
Appearance of Sample: CLEAR
Actual sample flow rate: 125 gal/min ~~ml/min or L/min~~
SAMPLE BOTTLE(S) COLLECTED: VOC'S, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** DNR 1

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: OK
Weather: Rainy
Notes: DNR1-102008-AM & FB1-102008-AM

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10/20/08 Time: 3:45 AM/PM

Depth to Water:
Length of Well:

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10/20/08 Begin Time: 3:45 AM/PM End Time: 4:25 AM/PM

Purging Equipment: None
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 200 ml/min or L/min

Notes: S = 0.0 mg/L Fe = 2.22 mg/L Mn = 0.7 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start:									
3:50			7.90	0.509	245	5.05	10.53	-135.1	
3:55			7.76	0.507	225	2.66	10.13	-135.3	
4pm			7.61	0.502	34.2	1.37	9.83	-117.8	
4:05			7.59	0.502	15.1	1.22	9.82	-112.0	
4:12			7.56	0.502	5.22	1.08	9.80	-107.8	
			7.56	0.502	8.12	1.02	9.78	-105.9	
Final: 4:25			7.56	0.502	8.0	1.02	9.77	-106	00

SAMPLE COLLECTION

Date: 10/20/08 Time: 4:30 AM/PM Method:

Appearance of Sample: Clear Actual sample flow rate: 200 ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: AVTAR MANI Company: AEMG

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** PW-3

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well:
Weather:
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:
Notes: SAMPLE ID: PW3-102008

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: Time: AM/PM

Depth to Water:
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.20.08 Begin Time: 1630 AM/PM Purging Equipment: PUMPING WELL
End Time: AM/PM Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

	ft	Length of well
	ft	- depth to water (before purge start)
	ft	= length of water column
		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 64 ~~ml/min or L/min~~ gal/min

Notes: S=0.01 mg/L, Mn: 1.6 mg/L
DO will not stabilize DUE TO TURBULENTS IN BUCKET

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1640	–	–	7.16	592	1	1.27	10.24	-98.0	
1645	–	–	7.17	595	1	1.02	10.24	-101.8	
1650	–	–	7.17	597	1	0.91	10.24	-104.0	
1655	–	–	7.17	598	1	0.80	10.24	-104.9	
1700	–	–	7.18	599	1	0.69	10.24	-105.3	4.14 (x2)
Final:									

SAMPLE COLLECTION

Date: 10.20.08 Time: 1705 AM/PM Method: PUMPING WELL

Appearance of Sample: CLEAR
Actual sample flow rate: 64 gal/min ~~ml/min or L/min~~

SAMPLE BOTTLE(S) COLLECTED: VOC'S, NA

SAMPLING PERSONNEL

Name: JOHN YANCHKA Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** PW-8

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well:
Weather:
Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:
Notes:
PW8 STARTED AT 0750 - SAMPLE ID: PW8-102108-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.21.08 Time: AM/PM

Depth to Water:
Length of Well:
Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.21.08 Begin Time: ~~0750~~ 0805 AM/PM
End Time: AM/PM
Purging Equipment: PUMPING WELL
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

ft Length of well
ft - depth to water (before purge start)
ft = length of water column
x conversion factor (2" well) 0.49
Gallons = 3 casing volumes

Yield: ~~HIGH~~ LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: 20 ~~ml/min or~~ gal/min ~~L/min~~

Notes: S = 0.11 mg/L, Mn = 0.4 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 0825	-	-	7.13	662	25	3.43	11.79	-43.9	
0830			7.10	662	21	3.21	11.84	-44.3	
0835			7.07	667	20	3.12	11.89	-40.9	
0840			7.05	669	19	2.83	11.93	-36.5	0.51
Final:									

SAMPLE COLLECTION

Date: 10.21.08 Time: 0845 AM/PM
Method: PUMPING WELL

Appearance of Sample: CLEAR
Actual sample flow rate: 20 gal/min ~~ml/min or L/min~~

SAMPLE BOTTLE(S) COLLECTED: PW8-102108-JY

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** MW-109D

INSPECTION

Label on well? (YES) NO
Is reference mark visible? (YES) NO
Condition of well: OK
Weather: 50°F, P. CLOUDY, BREEZY
Is cap locked? NO CAP YES (NO)
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature:
Notes:
SAMPLE ID: MW109D-102108-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.21.08 Time: 0935 (AM)/PM

Depth to Water: 44.50 ft
Length of Well: 149.00 ft
Measured with: (ELECTRONIC TAPE) CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

WELL PURGING

Date: 10.21.08 Begin Time: 0945 (AM)/PM
End Time: AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED (DI WATER) OTHER

CALCULATION OF 3 CASING VOLUMES

ft	Length of well	
ft	- depth to water (before purge start)	
ft	= length of water column	
	x conversion factor (2" well) 0.49	
Gallons	= 3 casing volumes	

Yield: (HIGH) LOW
If low, recovery time:
Actual volume purged: gallons
Actual purge flow rate: ml/min or L/min

Notes: S = 0.77 mg/L, Mn = 0.7 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1015	-	44.51	7.21	591	48	1.24	9.51	-39.2	
1020	-	44.51	7.29	591	48	1.18	9.50	-72.1	
1025	-	44.51	7.33	593	50	1.09	9.43	-79.6	
1030	-	44.51	7.34	594	50	1.05	9.40	-81.1	0.98
Final:									

SAMPLE COLLECTION

Date: 10.21.08 Time: 1035 (AM)/PM
Method: 2" BLADDER
Appearance of Sample: CLEAR
Actual sample flow rate: 270 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION: MW-108D**

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K
Weather: P. CLOUDY, BREEZY
Is cap locked? NO CAP YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 50°F
Notes: SAMPLE ID: MW108D-102108-JY

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.21.08 Time: 1125 AM/PM

Depth to Water: 49.72 ft
Length of Well: 65.00 ft
Measured with: ~~ELECTRONIC TAPE~~ CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

WELL PURGING

Date: 10.21.08 Begin Time: 1135 AM/PM
End Time: AM/PM
Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: ____
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S=1.80 mg/L, Mn = 0.7 mg/L

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1205		49.80	6.87	515	225	0.75	9.75	264.7	
1210		49.80	6.95	530	218	0.75	9.75	195.4	
1215		49.80	7.01	550	195	0.74	9.74	141.9	
1220		49.80	7.02	554	192	0.74	9.74	136.4	
1225		49.80	7.05	560	180	0.74	9.71	129.5	1.41
Final:									

SAMPLE COLLECTION

Date: 10.21.08 Time: 1230 AM/PM
Method: 2" BLADDER
Appearance of Sample: CLOUDY
Actual sample flow rate: 1.80 ml/min or L/min
SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH

CLIENT: Chrysler
LOCATION: Rose Township
PROJECT #: 106686.04 **ENTER WELL LOCATION:** GW-12I

INSPECTION

Label on well? YES NO
Is reference mark visible? YES NO
Condition of well: O.K
Weather: P. CLOUDY, BREEZY
Notes: SAMPLE ID

Is cap locked? YES NO
Standing water present? YES NO
Any indication of surface runoff in well? YES NO
Air Temperature: 50°F

STATIC WATER LEVEL JUST PRIOR TO PURGING

Date: 10.21.08 Time: 1313 AM/PM

Depth to Water: 30.54 ft
Length of Well: 143.00 ft

Measured with: ELECTRONIC TAPE CHALK & STEEL TAPE
Decontamination: PRE STEAM CLEANED DI WATER OTHER

AFTER PUMP AND TUBING ADDED WATER LEVEL 29.67

WELL PURGING

Date: 10.21.08 Begin Time: 1330 AM/PM
End Time: AM/PM

Purging Equipment: 2" BLADDER
Decontamination: PRE STEAM CLEANED DI WATER OTHER

CALCULATION OF 3 CASING VOLUMES

____	ft	Length of well
____	ft	- depth to water (before purge start)
____	ft	= length of water column
____		x conversion factor (2" well) 0.49
	Gallons	= 3 casing volumes

Yield: HIGH LOW
If low, recovery time: ____
Actual volume purged: ____ gallons
Actual purge flow rate: ____ ml/min or L/min

Notes: S = 0.08 mg/L, MN = 1.1 mg/L
*JY HAD TO LEAVE TO FIX PROBLEM IN PUMP ROOM

Time	Volume (gallons)	Depth to Water (feet) <0.33'	pH (SU) +/- 0.1	Conductivity (umhos/cm) +/- 3%	Turbidity (NTU) +/- 10%	D.O. (mg/L) +/- 10%	Temp (°C) +/- 5°	ORP +/- 10 mV	Ferrous Iron (mg/L)
Start: 1405	–	30.09	10.75	217	52	1.59	10.40	-68.4	
1410	-	30.09	10.74	207	52	1.35	10.39	-45.0	
* 1435	-	30.09	9.39	220	55	1.08	10.14	323.9	
1440	-	30.09	9.10	253	55	1.01	10.20	406.3	
1445	–	30.09	8.96	275	38	1.03	10.16	437.2	
1450	–	30.09	8.70	314	26	0.99	10.23	477.1	
1455	–	30.09	8.53	350	19	1.01	10.27	521.1	
1500		30.09	8.31	380	21	1.02	10.34	569.7	
1505		30.09	8.09	408	22	1.07	10.32	610.3	
1510		30.09	8.00	421	21	1.02	10.32	635.4	
Final: 1515		30.09	7.95	431	20	1.04	10.32	650.2	0.29

SAMPLE COLLECTION

Date: 10.21.08 Time: 1520 AM/PM
Method: 2" BLADDER

Appearance of Sample: CLEAR
Actual sample flow rate: ____ ml/min or L/min

SAMPLE BOTTLE(S) COLLECTED: VOC's, NA

SAMPLING PERSONNEL

Name: JOHN YANCHULA
Company: EARTH TECH AECOM

Appendix B

Appendix C

Appendix C
Summary of Operating Flow Data
Groundwater Extraction and Treatment System
Rose Township Demode Road Site
Oct-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)
10/1/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/2/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/3/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/4/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/5/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/6/2008	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
10/7/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/8/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/9/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/10/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/11/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/12/2008		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0	0	0		0		0
10/13/2008	287,170,000	69,286	24	100	68,062,000	175,000	24	100	336,152,000	164,429	24	100		0	0	0		0	0	0	291,737,000	88,714	24	100	278,860	0	1,540,201,000	539,429
10/14/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/15/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/16/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/17/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/18/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/19/2008		69,286	24	100		175,000	24	100		164,429	24	100		0	0	0		0	0	0		88,714	24	100		0		539,429
10/20/2008	287,645,000	67,714	24	100	69,263,000	155,286	24	100	337,283,000	146,429	24	100	128,272,000	0	0	0	109,079,000	0	0	0	292,347,000	67,143	24	100	278,784	0	1,543,906,000	479,571
10/21/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/22/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/23/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/24/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/25/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/26/2008		67,714	24	100		155,286	24	100		146,429	24	100		0	0	0		0	0	0		67,143	24	100		0		479,571
10/27/2008	288,119,000	75,000	24	100	70,350,000	166,333	24	100	338,308,000	152,333	24	100	128,272,000	0	0	0	110,000,000	0	0	0	292,817,000	66,667	24	100	278,784	0	1,547,263,000	507,667
10/28/2008		75,000	24	100		166,333	24	100		152,333	24	100		0	0	0		0	0	0		66,667	24	100		0		507,667
10/29/2008		75,000	24	100		166,333	24	100		152,333	24	100		0	0	0		0	0	0		66,667	24	100		0		507,667
10/30/2008			0	0			0	0			0	0		0	0	0		0	0	0			0	0		0		0
10/31/2008			0	0			0	0			0	0		0	0	0		0	0	0			0	0		0		0
MONTHLY TOTAL		1,184,000				2,811,000				2,633,000				0				0				1,291,000				0		8,656,000
DAILY AVERAGE		40,828				96,931				90,793				0				0				44,517				0		279,226
PER. MIN. AVG.		28				67				63				0				0				31				0		194
AVG % OPERATION				55				55				55				0				0				55				

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 22, 2008 for cleaning of the tower media.
5. System was restarted on October 13, 2008
6. Water was not pumped from PW-8 to the system between October 20 and 27. The change in gallon count readings was due to back pressure in the line, causing the flowmeter falsely recognize a small flow. The back pressure was bled from the line and the flowmeter reading returned to 0.