

Technical Memorandum

Date: May 2, 2011

To: Michelle Mullin, USEPA

cc: Jason Smith, Tecumseh Products Company
Douglas McClure, Conlin, McKenney & Philbrick, PC
Roger Jackson, Tecumseh Products Company

From: Graham Crockford and Stacy Metz, RMT

Project No.: 02751.16

Subject: **Revised Workplan to Install a Permeable Reactive Barrier Downgradient of the Southern Source Area at the Former Tecumseh Products Site in Tecumseh, Michigan**

Project Objective

The Workplan to Install a Permeable Reactive Barrier (PRB) Downgradient of the Southern Source Area at the former Tecumseh Products Company (TPC) site located at 100 East Patterson Street, Tecumseh, Michigan was submitted to the United States Environmental Protection Agency (USEPA) for review and comment on March 30, 2011. This Revised Workplan to Install a Permeable Reactive Barrier (PRB) Downgradient of the Southern Source Area (Workplan) reflects changes made to address preliminary comments made by USEPA during a conference call on April, 7, 2011. This Workplan describes the proposed PRB design, installation, and associated performance monitoring. At present, shallow groundwater affected by chlorinated volatile organic compounds (CVOCs) is migrating off-site at concentrations above residential and non-residential groundwater screening levels for vapor intrusion (GWSLs). The purpose of the proposed PRB is to eliminate the potential vapor intrusion pathway downgradient of the southern source area by treating shallow CVOC-affected groundwater along the eastern (downgradient) property line before it migrates off site.

Recommended Technology and Implementation Approach

In keeping with TPC policy to proactively address potential risk, TPC requested that RMT evaluate remedial alternatives to address the potential off-site vapor intrusion pathway. After an evaluation of various remedial alternatives, RMT recommends an aggressive and robust enhanced reductive dechlorination (ERD) PRB to treat the CVOC-affected groundwater at the downgradient property line. The location of the proposed PRB is shown on Figure 1. For description and construction purposes, the PRB is divided into 2 sections. The ERD remedial option and the benefits of using ERD to treat CVOCs in groundwater are summarized below:

- ERD, in general, relies upon a variety of techniques applied to stimulate the growth of microbiological fauna and facilitate their specialized bio-mechanisms leading to degradation of CVOCs in groundwater. Essentially, this technology combines a strong reducing agent, zero-valent iron (ZVI), with the more classic ERD substrates, cleverly facilitating a more effective means of achieving the required reducing/anaerobic conditions in the subsurface that are necessary to drive

Technical Memorandum

the anaerobic biological processes. In addition, the presence of ZVI facilitates direct chemical reduction of CVOCs, which significantly adds to the overall effectiveness and rate of CVOC destruction achievable with the enhanced ERD approach.

- The enhanced ERD substrate formulations, inclusive of the ZVI component, are still relatively inert and non-reactive; thus requiring minimal protective equipment for workers. In addition, an enhanced ERD nutrient solution will also exhibit a long life in the environment.
- Two different formulations of ZVI and organic substrate will be used in this application:
 - DARAMEND™ will be used in portions of the trench where it can be delivered by a soil blending technique described below. DARAMEND™ is a pelletized form of controlled-release carbon and reduced metal (e.g., ZVI, aluminum or zinc) used for stimulating reductive dechlorination and enhanced bioremediation in a subsurface environment. Following placement of DARAMEND™ into the saturated zone, a number of physical, chemical and microbiological processes combine to create strong reducing conditions that stimulate rapid and complete dechlorination reactions. The organic component of DARAMEND™ (fibrous organic material) is nutrient rich, hydrophilic and has high surface area; thus, it is an ideal support for growth of bacteria in a groundwater environment. As they grow on DARAMEND™ particle surfaces, indigenous heterotrophic bacteria consume dissolved oxygen thereby reducing the redox potential (Eh). In addition, as the bacteria grow on the organic particles, they ferment carbon and release a variety of volatile fatty acids (acetic, propionic, butyric) which diffuse from the site of fermentation into the downgradient affected groundwater and serve as electron donors for other microbes, including dehalogenators and halorespiring species. Finally, the small ZVI or other reduced metal particles provide substantial reactive surface area that stimulates direct chemical dechlorination and an additional decrease in the redox potential of the groundwater via corrosion of the iron and chemical oxygen scavenging. For CVOCs, these physical, chemical and biological processes combine to create an extremely reduced environment that stimulates chemical and microbiological dechlorination of otherwise persistent compounds. Redox potentials as low as – 600 mV are commonly observed in groundwater after DARAMEND™ application. At these Eh levels, the CVOCs are chemically unstable and they physically degrade. Hence, the technology is biologically based in that it relies on indigenous microbes to biodegrade the DARAMEND™ carbon (refined plant materials), but DARAMEND™ does not require the presence or activity of special or otherwise unique bacteria (i.e., *Dehalococcoides* species are not required) for complete and effective remediation.
 - ABC®+ will be injected in areas of the PRB that soil blending installation techniques are not feasible. ABC®+ is a patented mixture of ethyl lactate and glycerin, which typically includes lesser amounts of fatty acids and dipotassium phosphate (to serve as a buffer and a source of micronutrients). However, the addition of dipotassium phosphate would have resulted in a total phosphorus concentration in the slurry above residential Part 201 groundwater criteria, necessitating the Michigan Department of Environmental Quality (MDEQ) to review and concur that the application of ABC+ met the requirements of a Part 22 exemption. Therefore the dipotassium phosphate will be substituted with a similarly effective food grade yeast extract (micronutrient) and a carbonate buffer. The ABC®+ also provides an essential carbon

Technical Memorandum

source for the anaerobic bacteria to facilitate the reductive dechlorination of CVOCs. The “Plus” component in the injectate is ZVI. ZVI provides a strong and effective reducing environment to facilitate biotic, reductive dechlorination of CVOCs, and can also facilitate direct abiotic reductive dechlorination, directly. The site specific blend of ABC®+ will contain various fatty acids, a carbonate buffer, yeast extract, soluble lactic acid, as well as slow- and long-term releasing components. The yeast extract provides the microbes with essential micronutrients for bioremediation to occur. In addition, the carbonate buffer helps to maintain the pH in a range that is best suited for microbial growth, which is widely recognized as occurring between pH 6 and pH 8.

- The above considerations also speak to the ultimate goal and objective of achieving treatment levels at the site that are consistent with USEPA regulatory expectations and guidelines for establishing and achieving active treatment measures and maintaining these levels over time.

PRB Design

In February and March 2011, RMT conducted perimeter groundwater investigation activities downgradient of the southern source area to supplement existing site data in support of the PRB feasibility assessment and design. These investigation activities are described in the Technical Memorandum titled “Summary of Design Basis Investigation to Support Permeable Reactive Barrier Evaluation and Design,” dated March 22, 2011. This March 22, 2011 Technical Memorandum is included as Attachment 1, and includes a summary of groundwater chemistry data and flow parameters used to develop the PRB design.

The site perimeter, downgradient (east) of the southern source area is divided into two sections. Section 1 is located adjacent to Maumee Street. The proposed PRB in Section 1 extends from boring location B-4 south to the southern property line for a total length of 730 feet (ft), and the proposed PRB in Section 2 extends from 100 ft north of monitoring well MW-1s to the midway point between borings B-53 and B-54 for a total length of 380 ft (Figure 1). Given the physical site constraints, RMT recommends the use of two different installation techniques. Where the proposed treatment zone is relatively shallow, RMT recommends the use *in situ* soil blending to deliver DARAMEND™ to the subsurface. Injections will be used to deliver ABC®+ to portions of the reactive barrier further below ground surface. Injections will also be used to install a portion of the PRB around an existing sewer pipe. RMT will subcontract Redox Tech, LLC (Redox Tech) to complete barrier installation activities.

RMT prepared cross sections of the proposed PRB. Figure 2 illustrated proposed PRB Section 1 and Figure 3 illustrates proposed PRB Section 2. Each section is subdivided based on installation technique and/or dosing of the reactive material.

PRB Section 1a and 1b – Soil Blending along South Maumee Street

Sections 1a and 1b will be installed on-site approximately 10 ft west of the perimeter fence parallel and just west of South Maumee Street, as shown in Figure 1. Redox Tech will temporarily excavate the unsaturated silty/sandy clay soils along the length of the proposed barrier. The dimensions of the excavated area will be approximately 4 ft wide, 7 ft deep and 750 ft long. Following excavation, Redox Tech will use a 4-ft wide blender head to blend

Technical Memorandum

DARAMEND™ into the soil at the prescribed dose from 7 ft below ground surface (bgs) to 18 ft bgs. Depending on the soil properties and consistency, Redox Tech will either blend the amendment and soil in vertical lifts or will blend the entire vertical section from 7 ft bgs to 18 ft bgs. After blending, the excavated clean soil will be replaced.

Using data from the PRB Design Basis Investigation, the blended portion of the PRB was divided into two subsections, Section 1a and Section 1b.

- Section 1a, the northernmost subsection of Section 1, is 220 ft long and extends from boring location B-4 to 40 ft south of boring location B-48 (Figure 2). CVOCs concentrations in this area are more than an order of magnitude lower than those detected further south [maximum trichloroethene (TCE) concentration of 100 micrograms per liter (ug/L)]. **Section 1a is 4-ft wide, 11-ft tall and 220 ft long. DARAMEND™ will be applied at a rate of 7.5-percent by mass in this subsection.**
- Section 1b, the southern subsection of Section 1, is 490 ft long (510 ft less a 20 foot long section around an existing sewer pipe) and extends from 40 ft south of boring location B-48 to the southern property line (Figure 2). CVOCs concentrations in this area are higher than those detected further north (maximum TCE concentration of 5,400 ug/L). **Section 1b is 4-ft wide, 11-ft tall and 490 ft long. DARAMEND™ will be applied at a rate of 10-percent by mass in this subsection.**

PRB Section 1c – Injections Adjacent to Sewer Pipe

A sewer line intersects Sections 1b at the approximate location shown on Figures 1 and 2. In order to avoid damaging this sewer line, Redox Tech will remain 10 ft from either side of the sewer line during soil blending activities. This 20-ft portion of the barrier (Section 1c) will be completed via injection of ABC®+ (ABC®+ will be comprised of 75-percent ZVI by mass and 25-percent ABC® by mass). A slurry of ABC®+ and clean water will be injected by Redox Tech through Geoprobe® rods and proprietary injection equipment. Design and installation parameters are listed below:

- Injection point spacing: 6.6 ft (3.3 ft radius of influence)
- Number of points: 8 points in three offset rows
- Dosing rate: 2 to 3 pounds of ABC+ per gallon of slurry injected
- Volume injected: 120 gallons per point in four layers at 7, 10, 13, and 16 ft bgs

Section 1c is 20-ft wide, 11-ft tall and 20 ft long. ABC®+ will be applied at a rate of approximately 0.55-percent by mass in this subsection.

PRB Section 1d – Injections along South Maumee Street

The maximum depth to which Redox Tech can install a PRB via *in situ* soil blending is approximately 18 ft bgs. However investigation data, indicates that concentrations that warrant treatment (*e.g.* TCE at 440 ug/L to 1600 ug/L) are present in groundwater to depths up to 24 ft bgs below Section 1b. In order to address CVOC-affected groundwater from 18 to 24 ft bgs, ABC®+

Technical Memorandum

(ABC[®]+ will be comprised of 75-percent ZVI by mass and 25-percent ABC[®] by mass) will be injected to increase the effective depth of the barrier. Following installation of the blended portion of the barrier, a slurry of ABC[®]+ and clean water will be injected below the blended barrier by Redox Tech through Geoprobe[®] rods and proprietary injection equipment (Figure 2). Design and installation parameters are listed below:

- Injection point spacing: 10 ft (5-ft radius of influence)
- Number of points: 102 points in two offset rows
- Dosing rate: 1.5 to 2 pounds of ABC+ per gallon of slurry injected
- Volume injected: 120 gallons per point in three layers at 18, 21, and 24 ft bgs

Section 1d is 20-ft wide, 6-ft tall and 510-ft long, and extends from 18 to 24 ft bgs. ABC[®]+ will be applied at a rate of approximately 0.36-percent by mass in this subsection.

PRB Section 2 - Injection near monitoring well MW-1s

The depth to groundwater in the vicinity of MW-1s is approximately 16 ft bgs. Consequently installation of a PRB via *in situ* soil blending is not feasible. This 380-ft portion of the barrier (Section 2) will be completed via injection of ABC[®]+ (ABC[®]+ will be comprised of 75-percent ZVI by mass and 25-percent ABC[®] by mass). A slurry of ABC[®]+ and clean water will be injected by Redox Tech through Geoprobe[®] rods and proprietary injection equipment.

Using data from the PRB Design Basis Investigation, Section 2 of the PRB was divided into two subsections, Section 2a and Section 2b, as illustrated on Figure 3.

- Section 2a, the northernmost subsection of Section 2, is 280 ft long and extends from 100 ft north of monitoring well MW-1s to the southern fence (along the boundary between parcels 325-0241-00 and 325-0250-00). CVOCs concentrations in this area are higher than those detected further south (maximum TCE concentration of 3,400 ug/L). Design and installation parameters for Section 2a are listed below:
 - Injection point spacing: 10 ft (5-ft radius of influence)
 - Number of points: 56 points in two offset rows
 - Dosing rate: 1.5 to 2 pounds of ABC+ per gallon of slurry injected
 - Volume injected: 240 gallons per point in four layers at 16, 20, 24, and 28 ft bgs

Section 2a is 20-ft wide, 12-ft tall and 280-ft long. ABC[®]+ will be applied at a rate of approximately 0.36-percent by mass in this subsection.

- Section 2b, the southern subsection of Section 2, is 100 ft long and extends from the southern fence south to the midway point between borings B-53 and B-54. CVOCs concentrations in this area are more than an order of magnitude lower than those detected further north (maximum TCE concentration of 120 ug/L). Design and installation parameters for Section 2b are listed below:
 - Injection point spacing: 10 ft (5-ft radius of influence)

Technical Memorandum

- Number of points: 20 points in two offset rows
- Dosing rate: 1 pounds of ABC+ per gallon of slurry injected
- Volume injected: 120 gallons per point in three layers at 16, 19, and 22 ft bgs

Section 2b is 20-ft wide, 6-ft tall and 100-ft long. ABC®+ will be applied at a rate of approximately 0.18-percent by mass in this subsection.

PRB Installation Schedule

Installation of the blended portion of the PRB is scheduled to begin May 16, 2011. No permits are required for this work. Through communications with the MDEQ, RMT has confirmed that a groundwater discharge permit exemption for *in situ* remediation from the MDEQ is not required prior to installation of the injected portion of the barrier, if the remedial action discharge is at or below residential Part 201 criteria. Redox Tech has agreed to substitute the dipotassium phosphate typically included in the ABC®+ with a similarly effective food grade yeast extract and a carbonate buffer. With this revised formulation, neither a groundwater discharge permit, nor an approval letter from the department division with compliance oversight is required for the proposed PRB installation. Installation of the injected portion of the PRB is scheduled to begin May 17, 2011.

Performance Monitoring Plan

RMT will initiate a groundwater performance monitoring plan for each section of the PRB following installation. The performance monitoring plan has been designed to evaluate PRB performance. Specifically downgradient wells will be installed and monitored to evaluate the effectiveness of PRB treatment. Wells located side gradient of the PRB will be used to confirm that the PRB has not affected groundwater flow patterns such that affected groundwater is not redirected around the PRB. Similarly, wells installed at depths below the bottom of the PRB will be used to confirm that affected groundwater is not redirected under the PRB.

Performance Monitoring Network

The approximate locations of wells to be included in the performance monitoring network are shown on Figure 4. The performance monitoring network for Section 1 will include a total of seven wells: one shallow well upgradient of the PRB, two shallow wells side gradient (north and south) of the PRB, three shallow wells downgradient of the PRB, and one deep well downgradient of the PRB. The performance monitoring network for Section 2 will include a total of five wells: one shallow well upgradient of the PRB, one shallow wells side gradient (south) of the PRB (groundwater displaced to the north of PRB Section 2 will migrate to and through PRB Section 1), two shallow wells downgradient of the PRB, and one deep well downgradient of the PRB. Wherever feasible, existing piezometers/monitoring wells (*i.e.* MW-1s, MW-9s, PRB-01 and PRB-02) will be used to evaluate PRB performance.

- Upgradient wells will be used to monitor PRB influent VOC concentrations;
- Downgradient wells will be used to monitor PRB effluent VOC concentrations; and

Technical Memorandum

- Side gradient and deep wells will be used to evaluate the hydraulic performance of the PRB, *i.e.* to monitor whether the PRB has changed groundwater flow patterns such that affected groundwater is routed around or below the PRB rather than through the PRB. Note: The proposed barrier is designed to expeditiously reduce the highest concentrations of CVOCs migrating off-site, not to treat all groundwater migrating off-site above MDEQ Part 201 criteria. As such the concentrations of CVOCs side gradient (north and south) of the proposed PRB and at depth are not expected to be below MDEQ Part 201 criteria. Therefore evaluation of hydraulic gradient around the barrier and/or CVOC concentrations trend data will be used to evaluate the hydraulic performance of the PRB.

Eight to twelve new piezometers/wells will be installed as needed. New wells will be installed in general accordance with the shallow well installation procedures outlined in the Quality Assurance Project Plan (QAPP), submitted to USEPA for review in August 2010. Wells will be constructed of 1-inch PVC pipe. Wells installed for the specific purpose of assessing PRB performance will be designated as follows: PRB-*xy*. The variable *xx* will be filled with the number of the PRB monitoring points. The *y* variable will designate whether the well is shallow (S) or deep (D).

Groundwater Sampling Program

PRB performance monitoring will include one initial sample event to be completed as soon as feasible following PRB installation. Additional sample events will be conducted quarterly, in conjunction with the regular groundwater monitoring program for one year following PRB installation. After the first year the sampling frequency will be evaluated and adjusted as appropriate.

Groundwater sampling will be conducted in accordance with the QAPP. Each sample event will include the following:

- Collection of static water level at each of the twelve monitoring points;
- Collection groundwater samples at each of the twelve monitoring points. The following field parameters will be monitored to assess groundwater stability prior to sampling: pH, conductivity, turbidity and temperature. Low-flow (*i.e.* bladder pump) sampling techniques are not required.
- Analysis of each groundwater sample for VOCs by USEPA Method 8260B.
- Groundwater samples may also be collected and analyzed for critical PRB design parameters (dissolved oxygen, redox potential, chloride, sulfate, nitrate, calcium, iron, magnesium, manganese, and total organic carbon). At a minimum, samples will be analyzed for these parameters during the initial sample event and during the quarterly sample event conducted approximately 1 year after PRB installation.

PRB performance will be evaluated and described in a technical memorandum approximately 18 months after installation. A schedule for future monitoring and reporting events, as well as any proposed modifications to the performance monitoring program will be included in that technical memorandum.

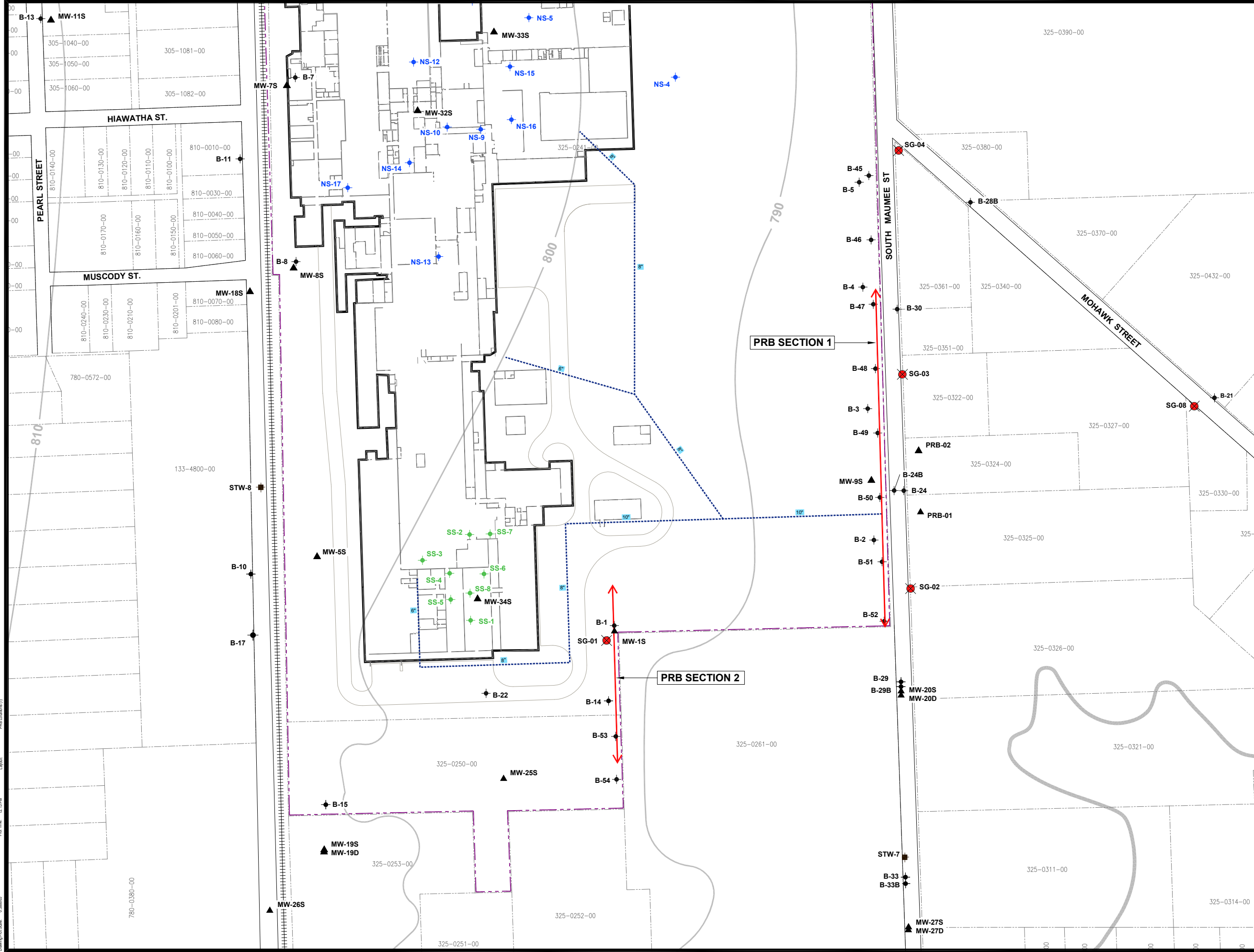
Technical Memorandum

Data Quality Objectives

Data collected will be used for engineering and design purposes. The data reviewer will ensure that data meet Level 3 data quality objectives, as described in the QAPP.

Technical Memorandum

Figures

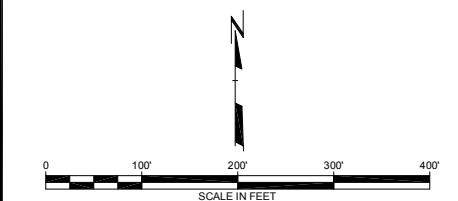


LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 + PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S ▲ MONITORING WELL LOCATION AND NUMBER
- NS-6 + NORTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SS-2 + SOUTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 * STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 ▼ WETLAND SURFACE WATER SAMPLE LOCATION
- SG-02 ⊗ SOIL GAS SAMPLE LOCATION AND NUMBER
- 8" PIPE DIAMETER AND APPROXIMATE LOCATION OF ON-SITE STORM SEWER
- ↔ PROPOSED PRB LOCATION

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.



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**FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN**

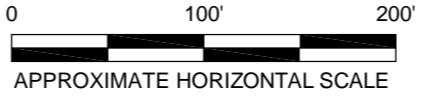
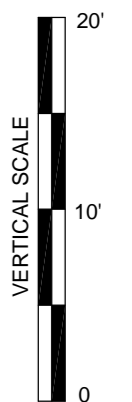
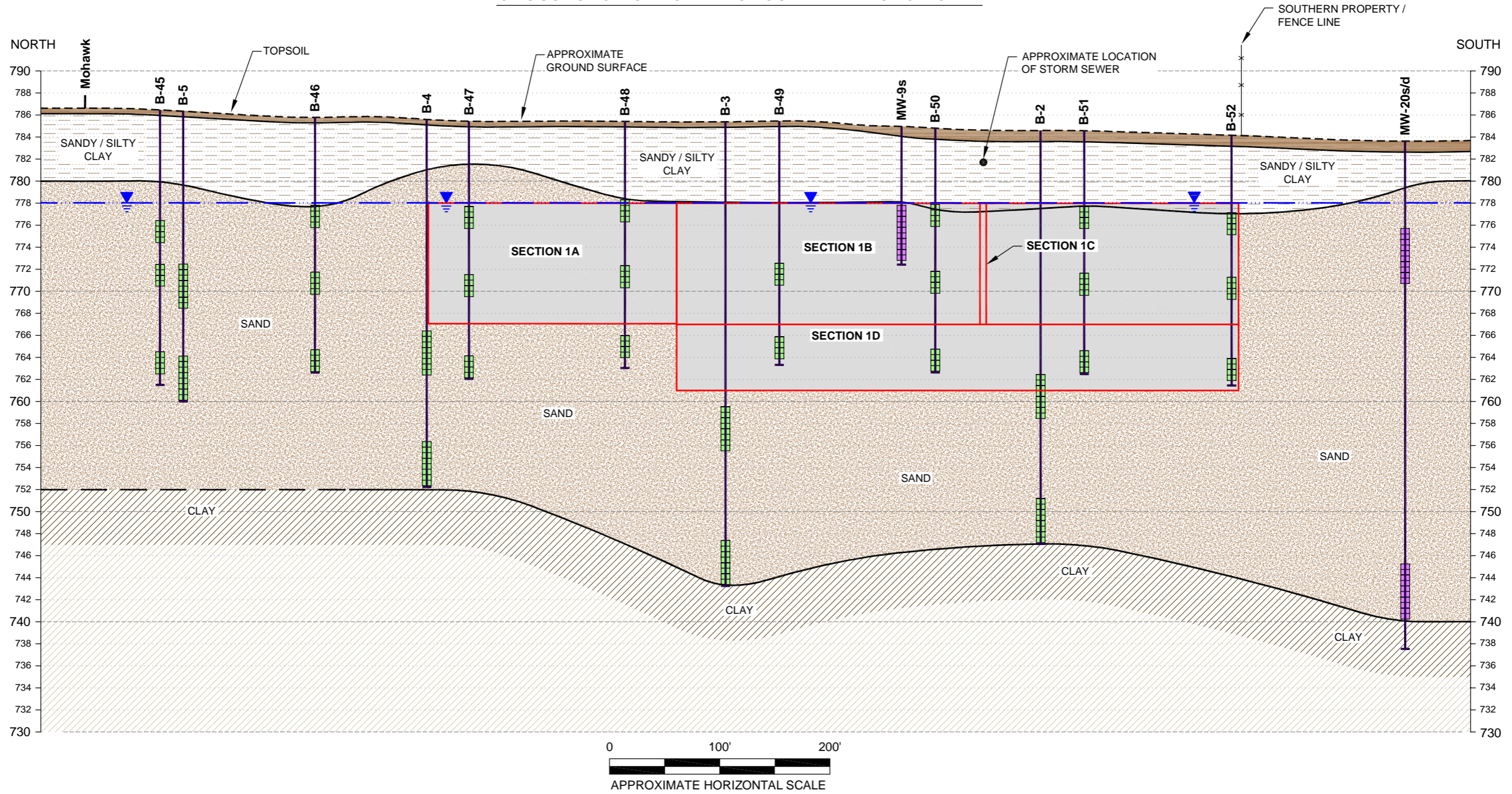
PROPOSED PRB LOCATIONS

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| CHECKED BY: SEM | AS INDICATED | FILE NO: 02751.16.03.dwg | |
| APPROVED BY: GC | DATE PRINTED: | FIGURE 1 | |
| DATE: March 2011 | | | |

RMT
3754 Rancho Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7000 • Fax: 734-971-9022

2007.DWG
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 Plot Date: April 15, 2011
 Plot Time: 12:13 PM
 PRB Locations (I)
 Layout

CROSS SECTION OF PROPOSED PRB SECTION 1



| LEGEND | |
|--------|--|
| | TOPSOIL |
| | SAND |
| | CLAY |
| | SANDY / SILTY CLAY |
| | SANDY CLAY |
| | APPROXIMATE GROUND SURFACE |
| | STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL |
| | APPROXIMATE GROUNDWATER ELEVATION |
| | PROPOSED PRB SECTION |
| | TEMPORARY WELL SCREEN |
| | WELL SCREEN |

- NOTES**
- GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
 - SEE FIGURE 1 FOR LOCATION / ORIENTATION OF THIS CROSS SECTION.

**FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN**

**CROSS SECTION OF PROPOSED
PRB SECTION 1**

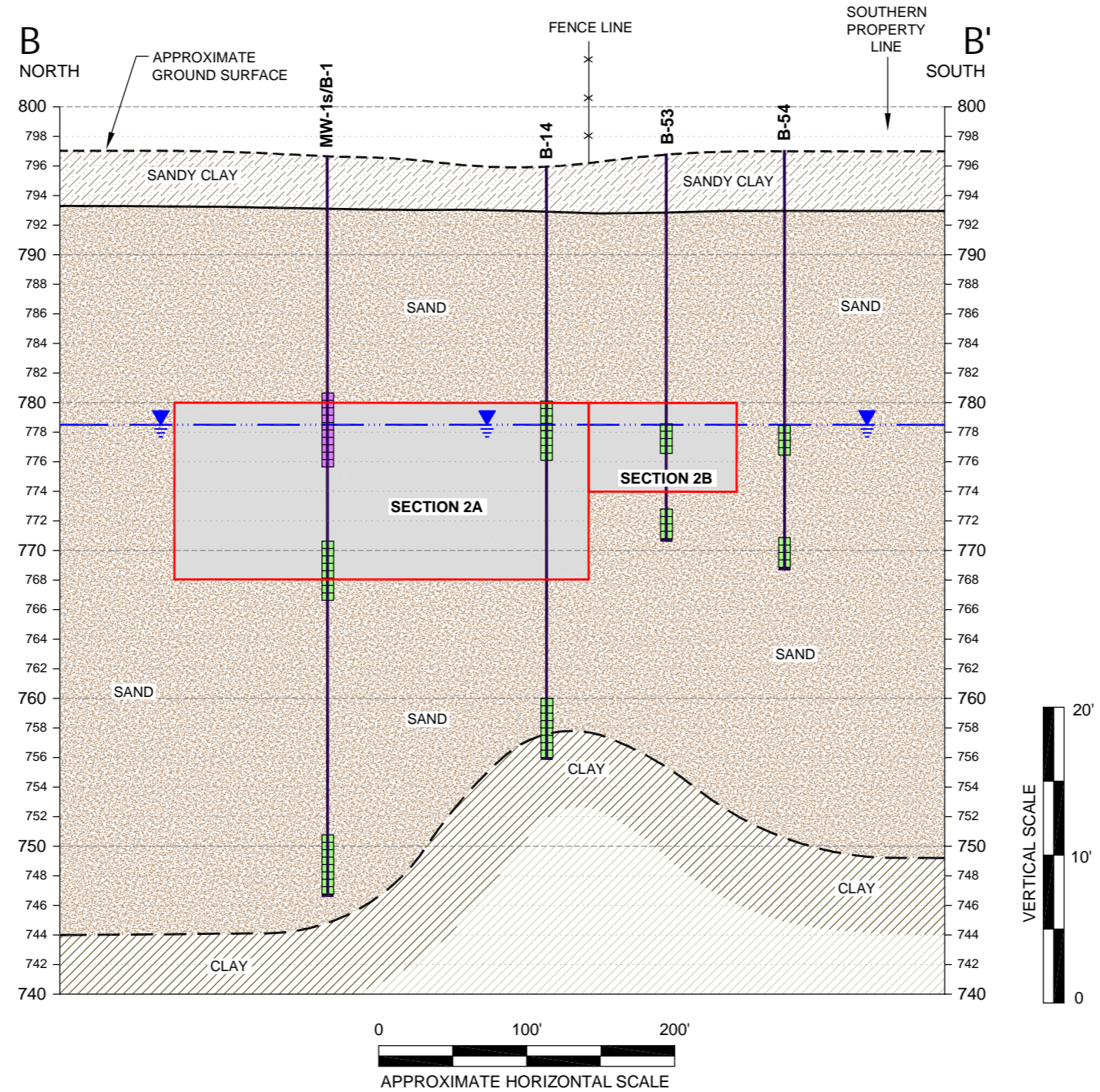
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| APPROVED BY: | GC | DATE: | March 2011 |

RMT

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 RMT COMPUTER AIDED DESIGN AND DRAFTING
 Layout: Proposed PRB Section 1 (2)

CROSS SECTION OF PROPOSED PRB SECTION 2



LEGEND

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|--|--------------------|--|--|
| | TOPSOIL | | APPROXIMATE GROUND SURFACE |
| | SAND | | STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL |
| | CLAY | | APPROXIMATE GROUNDWATER ELEVATION |
| | SANDY / SILTY CLAY | | PROPOSED PRB SECTION |
| | SANDY CLAY | | TEMPORARY WELL SCREEN |
| | | | WELL SCREEN |

NOTES

- GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
- SEE FIGURE 1 FOR LOCATION / ORIENTATION OF THIS CROSS SECTION.

FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN

CROSS SECTION OF PROPOSED PRB SECTION 2

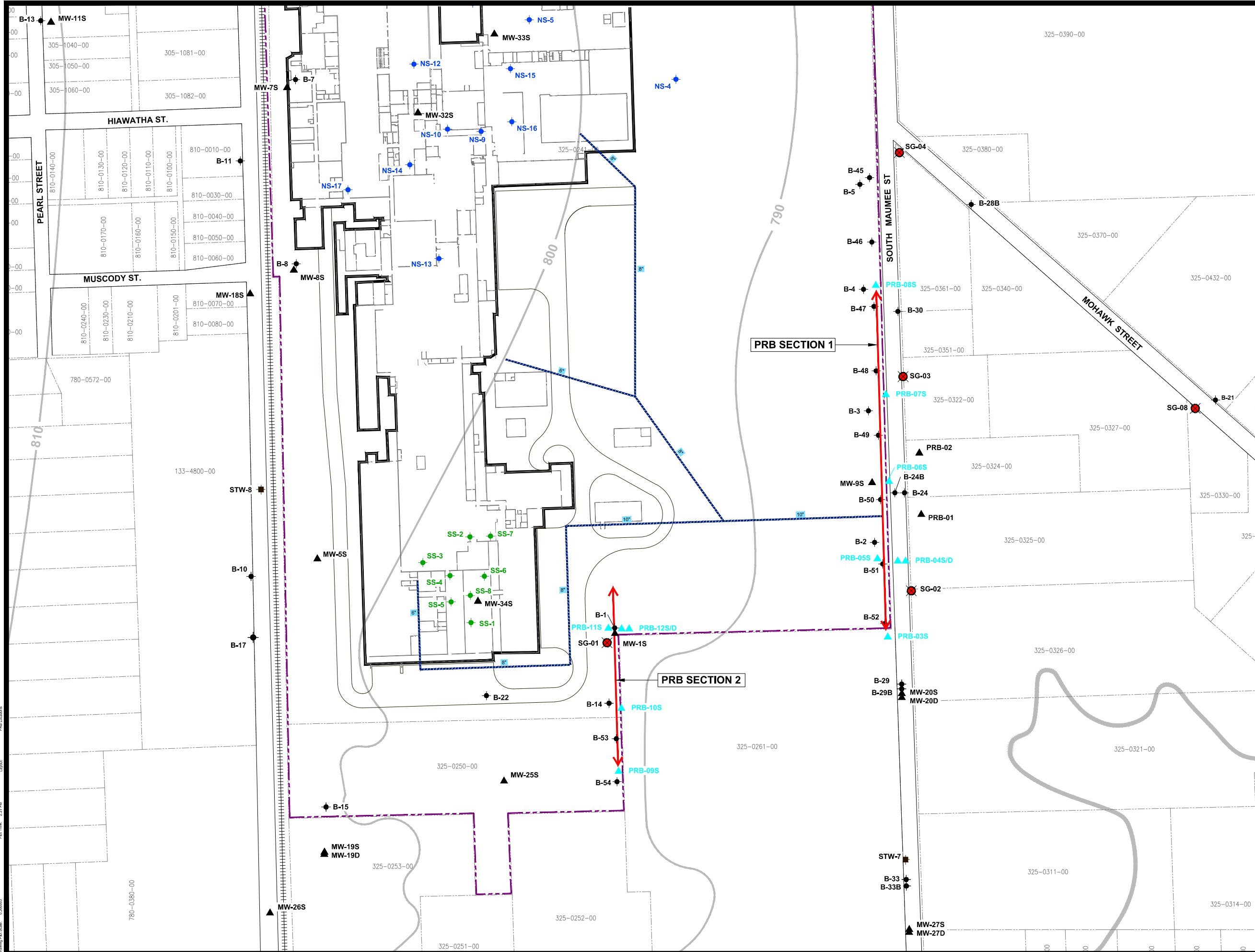
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| CHECKED BY: | SEM | FILE NUMBER: | 02751.16.04-05.dwg |
| APPROVED BY: | GC | DATE: | March 2011 |

RMT

3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
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FIGURE 3

Drawing Name: J:\02751\16\02751.16.04-05.dwg Dwg Size: 0.21 Mb
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 Layout: Proposed PRB Section 2 (3)

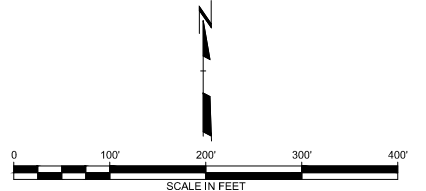


LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- - - - - PARCEL BOUNDARY
- ||||| RAILROAD TRACKS (APPROXIMATE LOCATION)
- 800 APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- B-2 ◆ PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S ▲ MONITORING WELL LOCATION AND NUMBER
- NS-6 ◆ NORTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SS-2 ◆ SOUTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 ◆ STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 ◆ WETLAND SURFACE WATER SAMPLE LOCATION
- SG-02 ◆ SOIL GAS SAMPLE LOCATION AND NUMBER
- 8" PIPE DIAMETER AND APPROXIMATE LOCATION OF ON-SITE STORM SEWER
- ← PROPOSED PRB LOCATION
- PRB-04S ▲ PROPOSED PRB MONITORING WELL LOCATION AND NUMBER

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.



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FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN

PROPOSED PRB PERFORMANCE MONITORING NETWORK

| | | |
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| APPROVED BY: GC | DATE PRINTED: | FIGURE 4 |
| DATE: April 2011 | | |

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 Plot Time: 2:31 PM
 PRB Locations

Technical Memorandum

Attachment 1

Technical Memorandum

Date: March 22, 2011

To: Jason Smith, Tecumseh Products Company

cc: Roger Jackson, Tecumseh Products Company
Douglas McClure, Colin McKenney & Philbrick, PC

From: Graham Crockford and Stacy Metz, RMT, Inc.

Project No.: 02751.16

Subject: Summary of Design Basis Investigation to Support Permeable Reactive Barrier Evaluation and Design.

Introduction

This Technical Memorandum provides a summary of groundwater investigation activities conducted between February 22, 2011 and March 1, 2011 at the former Tecumseh Products Company (TPC) site, in Tecumseh, Michigan. The summary includes a description of field activities and a summary of field and analytical data. These data will be used for feasibility assessment and design of a permeable reactive barrier (PRB) to treat shallow groundwater affected by volatile organic compounds (VOCs) downgradient of the former TPC site along South Maumee Street.

Summary of Field Activities

PRB design investigation activities were conducted in accordance with the procedures outlined in the Technical Memorandum titled "Workplan for Groundwater Investigation to Support Permeable Reactive Barrier Evaluation and Design," dated February 10, 2011 (Workplan). Investigation activities conducted in February and March 2011 are described below:

- On February 22-24, 2011 RMT conducted a Geoprobe® investigation to evaluate concentrations of VOCs in the shallow groundwater and groundwater flow parameters along the downgradient (eastern) perimeter of the site. Investigation activities included:
 - Advancement of soil borings at 12 locations to evaluate site geology and depth to groundwater (Attachment A);
 - Collection of two to three grab groundwater samples over a two-foot screened interval at each of 10 boring locations (all locations where a piezometer was not installed);
 - Analysis of 27 groundwater samples for total VOCs; and
 - Installation and development of two piezometers (PRB-01 and PRB-02) in the right-of-way on the east side of Maumee Street (Figure 1). See Attachment A for well construction forms.
- On February 25, 2011 in conjunction with regular quarterly groundwater sampling activities samples were collected at MW-1s and MW-9s. Samples were analyzed for critical design parameters

Technical Memorandum

which had not been measured previously at these locations, specifically calcium, iron, magnesium, manganese and total organic carbon.

- On March 1, 2011, RMT collected groundwater measurements to evaluate flow parameters along the downgradient (eastern) perimeter of the site. Investigation activities included:
 - Collection of initial groundwater elevations at five locations (MW-1s, MW-9s, MW-20s, PRB-01, and PRB-02); and
 - Completion of in-situ hydraulic conductivity tests (slug tests) at four locations (MW-1s, MW-9s, MW-20s, and PRB-01) in order to assess hydraulic conductivity in the investigation area.

Results and Data Analysis

PRB investigation activities were conducted to support feasibility and design activities for the proposed PRB to treat shallow groundwater affected by VOCs downgradient of the site. Treatment of shallow groundwater in these areas addresses the potential off-site vapor intrusion pathway downgradient of the southern source area. Soil boring data and available water chemistry data were used to prepare cross sections through the proposed PRB locations. Figure 2 is a plan view figure which illustrates cross-section locations. Figures 3 and 4 are cross sections through the proposed PRB locations.

VOCs in Groundwater

Two or three groundwater samples were collected at each boring location. Along Maumee Street (borings B-45 through B-52), one sample was typically collected at the water table, a second sample was collected from approximately 6 to 8 feet below the water table, and a third sample was collected from 13 to 15 feet below the water table. In the area south of MW-1s/B-14, at boring locations B-53 and B-54, one sample was collected at the water table and a second sample was collected from approximately 8 to 10 feet below the water table.

Detected concentrations of VOCs in groundwater along the site perimeter downgradient of the southern source area are summarized in Table 1. Detected concentrations of the site specific constituents of concern, specifically trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (cis-DCE), trans-1,2-dichloroethene (trans-DCE), vinyl chloride, 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (1,1-DCA) are posted on the cross sections (Figures 3 and 4). A complete package of VOC analytical data from new boring locations can be found in Attachment B.

A review of analytical data from the Geoprobe® investigation indicate that 1,1-DCA, cis-DCE, TCE and vinyl chloride were detected above residential groundwater screening levels for vapor intrusion (GWSLs) at one or more locations. 1,1-DCA and cis-DCE were both detected above GWSLs at only one location, B-52 (7-9'). TCE was detected above the residential and/or industrial GWSLs (58 micrograms per liter [ug/L] and 190 ug/L respectively) at boring locations B-47, B-49, B-50, B-51, B-52 and B-53. The maximum detected TCE concentration was 5,400 ug/L at sample location B-50 (13-15'). Vinyl chloride was detected above residential and/or industrial GWSLs (5 ug/L and 17 ug/L respectively) at boring locations B-45, B-47, B-48, B-50, B-51 and B-52. The

Technical Memorandum

maximum detected vinyl chloride concentration was 270 ug/L at sample location B-52 (13-15'); the remainder of the vinyl chloride concentrations were below 100 ug/L. Vinyl chloride was not detected in any of the samples collected at the water table, indicating that vinyl chloride is rapidly degraded under oxidative conditions, and there is little or no potential for vinyl chloride to volatilize to indoor air.

The aromatic hydrocarbons, ethylbenzene, toluene, and/or total xylenes were detected at sample locations B-52 (7-9') and B-52 (13-15') above Part 201 generic drinking water and groundwater surface water interface criteria. The source of these compounds is likely fuel-related and localized. Given the proximity of boring B-52 to Maumee Street and the adjacent property to the south, the source of these compounds could be located either on-site or off-site. TPC is investigating the possible source of these aromatic hydrocarbons. The proposed PRB will facilitate reductive dechlorination; it is not expected to reduce concentrations of un-chlorinated, fuel-related compounds.

Groundwater Chemistry – Critical Design Parameters

In addition to total VOCs, other water chemistry parameters are critical to PRB design. These parameters include pH, dissolved oxygen, redox potential, chloride, sulfate, nitrate, calcium, iron, magnesium, manganese, and total organic carbon. Critical design parameters are used to help determine the applicability of *in situ* chemical reduction and reactive material dosing requirements.

Field parameters including pH, dissolved oxygen, and redox potential are measured quarterly as part of the regular groundwater monitoring program at each of the wells where VOC samples are collected. Anions (chloride, sulfate, and nitrate) are monitored semi-annually at approximately half of the monitoring well locations, including monitoring wells MW-1s and MW-9s as part of the regular groundwater monitoring program. Tables which include data collected through the first quarter 2011 groundwater sampling event are included in Attachment C.

Groundwater samples from monitoring wells MW-1s and MW-9s were tested for the remaining critical parameters (calcium, iron, magnesium, manganese and total organic carbon) as part of the PRB design basis investigation. Laboratory data from these analyses are included in Attachment D.

Groundwater Flow Parameters

Groundwater elevations were collected at five locations (MW-1s, MW-9s, MW-20s, PRB-01, and PRB-02) for the purpose of establishing a horizontal gradient along South Maumee Street. Groundwater elevations are presented in Table 2. These data are consistent with pre-existing groundwater elevation data. Groundwater contour maps, prepared as part of the quarterly monitoring program indicate that groundwater flow in the area of the proposed PRB is from west to east. Horizontal gradient was calculated using the groundwater elevation difference and horizontal distance in the east-west direction between the following well pairs: MW-1s/MW-20s, MW-9s/PRB-01, and MW-9s/PRB-02. The calculated gradient ranged from 0.0008 between monitoring wells MW-1s and MW-20s to 0.0020 between monitoring wells MW-9s and PRB-02.

Technical Memorandum

In-situ hydraulic conductivity tests (slug tests) were conducted at four locations (MW-1s, MW-9s, MW-20s, and PRB-01) in order to assess hydraulic conductivity in the investigation area. Data collected during the slug tests was analyzed using AQTESOLV to determine hydraulic conductivity values for shallow groundwater beneath the site. The measured hydraulic conductivity ranged from 75.2 feet per day (ft/day) at piezometer PRB-01 to 141 ft/day at monitoring well MW-20s. Hydraulic conductivity data is included in Attachment E.

A conservative value for groundwater flow velocity was calculated using the maximum horizontal gradient (0.0020), the maximum hydraulic conductivity (141 ft/day), and an assumed effective porosity of 0.3. The calculated maximum groundwater velocity is 0.94 ft/day, which was rounded to 1.0 ft/day for design purposes.

Data Quality Assurance

RMT collected 29 groundwater samples (27 sample locations with 2 duplicate samples) between February 22 and February 23, 2011. These samples were analyzed by Trimatrix Laboratories, located in Grand Rapids, Michigan for VOCs by USEPA Method 8260B following protocols specified in the Quality Assurance Project Plan (QAPP) which was submitted to USEPA for review in August 2010. The data quality objectives (Level 3) and laboratory completeness goals for the project were met, and the data are usable.

RMT collected 2 groundwater samples on February 25, 2011. These samples were also analyzed by Trimatrix Laboratories for metals by USEPA Method 6010C and total organic carbon by Standard Method 5310C following protocols specified in the QAPP. The data quality objectives (Level 3) and laboratory completeness goals for the project were met, and the data are usable.

Summary and Conclusions

This technical memorandum provides a summary of PRB design basis investigation activities conducted between February and March 2011, including soil boring logs, field data, and laboratory data. A brief summary of investigation activities and findings is provided below:

- RMT conducted 12 soil borings along the site perimeter downgradient of the southern source area. Two piezometers, PRB-01 and PRB-02 were installed.
- Twenty-seven groundwater samples were collected and analyzed for VOCs from 10 borings along the eastern property boundary.
- The water table is approximately 7 to 8 feet below ground surface (ft bgs) along South Maumee Street and 16-18 ft bgs south of monitoring well MW-1s.
- The saturated thickness is approximately 30 to 40 feet along Maumee Street and approximately 25 to 35 feet south of monitoring well MW-1s.
- Along Maumee Street, the highest concentrations of TCE (>500 ug/L) are found in the upper portion of the aquifer south of boring B-48 and north of MW-20s to depths of approximately 23 feet below ground surface (15 feet below the water table).

Technical Memorandum

- In the area from monitoring well MW-1s to boring B-53, the highest concentrations of TCE (>500 ug/L) are found in the upper portion of the aquifer from monitoring well MW-1s south to boring B-14 to depths of approximately 24 feet below ground surface (8 feet below the water table).
- Ethylbenzene, toluene, and total xylenes were detected at boring location B-52 above Part 201 generic drinking water and groundwater surface water interface criteria. The source of these aromatic hydrocarbons is being investigated by TPC.
- Vinyl chloride was not detected in any of the samples collected at the water table, indicating that there is little or no potential for vinyl chloride to volatilize to indoor air.
- Reactive barrier design will focus on the reduction of TCE concentrations in shallow groundwater.
- Critical design parameter data (pH, dissolved oxygen, redox potential, chloride, sulfate, nitrate, calcium, iron, magnesium, manganese, and total organic carbon) will be provided to Adventus Americas, Inc. and Redox Tech, LLC to determine PRB thickness and dosing requirements for various reactive materials.
- A maximum concentration of 5,400 ug/L TCE will be used of PRB design purposes.
- A maximum flow rate of 1 foot per day will be used for PRB design purposes.
- All data collected meet PRB design basis investigation data quality objectives and are usable for engineering design purposes.

Technical Memorandum

Tables

Table 1
 Permeable Reactive Barrier Design Investigation
 Summary of Detected Volatile Organic Compounds in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

| Analyte | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene ⁽²⁾ | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Ethylbenzene ⁽²⁾ | Toluene ⁽²⁾ | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Trichloro-fluoromethane | Vinyl Chloride | Total Xylenes ⁽²⁾ | |
|--|--------------------|--------------------|-----------------------------------|------------------------|--------------------------|-----------------------------|------------------------|-----------------------|-----------------------|--------------------|-------------------------|-------------------|------------------------------|------------|
| Residential Health-Based DWC | 880 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 2,600 | 2.0 | 10,000 | |
| Industrial Health-Based DWC | 2,500 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 7,300 | 2.0 | 10,000 | |
| GSI Criteria | 740 | 360 ⁽¹⁾ | 130 | 620 | 1,500 ⁽¹⁾ | 18 | 270 | 89 | 330 ⁽¹⁾ | 200 ⁽¹⁾ | NC | 13 ⁽¹⁾ | 41 | |
| Residential GWSL for Vapor Intrusion | 130 | 47 | 390 | 440 | 330 | ND | ND | 15,000 | ND | 58 | 370 | 5.0 | ND | |
| Non-Residential GWSL for Vapor Intrusion | 440 | 160 | 550 | 610 | 460 | ND | ND | 21,000 | ND | 190 | 510 | 17 | ND | |
| Groundwater Contact Criteria | 2.4E+06 | 19,000 | 11,000 | 2.0E+05 | 2.2E+05 | 1.7E+05 | 5.30E+05 | 1.3E+06 | 21,000 | 22,000 | 1.1E+06 | 1,000 | 1.90E+05 | |
| Units | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | |
| B-01 (26'-30') | 3/9/2009 | 26 | 1.0 | 5.9 | 120 | 12 | <1.0 | 5.3 | <1.0 | <1.0 | 200 | <1.0 | <1.0 | <3.0 |
| B-01 (46'-50') | 3/9/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.2 | <1.0 | <1.0 | 6.8 | <1.0 | 5.0 | <3.0 |
| B-02 (22'-26') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | 27 | <3.0 |
| B-02 (33'-37') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.0 | <1.0 | 16 | <3.0 |
| B-03 (26'-30') | 3/9/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.6 | <1.0 | <1.0 | <1.0 | <1.0 | 1.4 | <3.0 |
| B-03 (38'-42') | 3/9/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-04 (19'-23') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 12 | <3.0 |
| B-04 (19'-23'), Dup-01 | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 12 | <3.0 |
| B-04 (29'-33') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-05 (14'-18') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 11 | <3.0 |
| B-05 (22'-26') | 3/10/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.7 | <3.0 |
| B-14 (16'-20') | 4/14/2009 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 1,100 | NA | <100 | <200 |
| B-14 (36'-40') | 4/14/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.4 | NA | <1.0 | <2.0 |
| B-45 (10'-12') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-45 (14'-16') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 33 | <3.0 |
| B-45 (22'-24') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | <3.0 |
| B-46 (8'-10') | 2/22/2011 | <1.0 | <1.0 | <1.0 | 8.2 | 1.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-46 (14'-16') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | <3.0 |
| B-46 (21'-23') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <3.0 |
| B-47 (7.75-9.75') | 2/22/2011 | 15 | <1.0 | 1.1 | 73 | 6.7 | <1.0 | <1.0 | <1.0 | 6.4 | 100 | <1.0 | <1.0 | 2.3 |
| B-47 (7.75-9.75'), Dup-01 | 2/22/2011 | 14 | <1.0 | <1.0 | 71 | 6.9 | <1.0 | <1.0 | <1.0 | 6.8 | 97 | <1.0 | <1.0 | <3.0 |
| B-47 (14'-16') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 23 | <3.0 |
| B-47 (21'-23') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 28 | <3.0 |
| B-48 (7'-9') | 2/22/2011 | 6.2 | <1.0 | <1.0 | 34 | 2.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-48 (13'-15') | 2/22/2011 | 16 | <1.0 | 2.1 | 110 | 11 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 32 | <3.0 |
| B-48 (19.5-21.5') | 2/22/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 47 | <3.0 |

Notes:

Residential and Industrial Health-Based Drinking Water Criteria (DWC), Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria (GCC) from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended December 14, 2010.

Groundwater Screening Levels (GWSLs) for Vapor Intrusion were calculated in accordance with the MDEQ Remediation and Redevelopment Division Program Redesign 2009 document titled *Background Document: Draft Proposed Vapor Intrusion Indoor Air Criteria (IAC), Soil Gas Criteria (SGC), and Groundwater Groundwater Screening Levels (GW_{VI}SLs) for Vapor Intrusion*, using both residential and non-residential exposure scenarios and the most recent chemical specific toxicity values accepted and/or published by the United States Environmental Protection Agency (USEPA). Proposed GWSLs were approved by USEPA in a comment letter dated August 24, 2010.

ug/L = micrograms per liter

NC = No criteria

ND = Criteria not determined

Bold font denotes concentrations detected above laboratory reporting limits

Green background denotes concentrations above one or more criteria

1) Criterion is not protective for surface water used as a drinking water source as described in footnote (X) of MDEQ Op Memo 1 Part 201, Attachment 1.

2) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21

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| Analyte | | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene ⁽²⁾ | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Ethylbenzene ⁽²⁾ | Toluene ⁽²⁾ | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Trichloro-fluoromethane | Vinyl Chloride | Total Xylenes ⁽²⁾ |
|--|------------|--------------------|--------------------|-----------------------------------|------------------------|--------------------------|-----------------------------|------------------------|-----------------------|-----------------------|--------------------|-------------------------|-------------------|------------------------------|
| Residential Health-Based DWC | | 880 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 2,600 | 2.0 | 10,000 |
| Industrial Health-Based DWC | | 2,500 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 7,300 | 2.0 | 10,000 |
| GSI Criteria | | 740 | 360 ⁽¹⁾ | 130 | 620 | 1,500 ⁽¹⁾ | 18 | 270 | 89 | 330 ⁽¹⁾ | 200 ⁽¹⁾ | NC | 13 ⁽¹⁾ | 41 |
| Residential GWSL for Vapor Intrusion | | 130 | 47 | 390 | 440 | 330 | ND | ND | 15,000 | ND | 58 | 370 | 5.0 | ND |
| Non-Residential GWSL for Vapor Intrusion | | 440 | 160 | 550 | 610 | 460 | ND | ND | 21,000 | ND | 190 | 510 | 17 | ND |
| Groundwater Contact Criteria | | 2.4E+06 | 19,000 | 11,000 | 2.0E+05 | 2.2E+05 | 1.7E+05 | 5.30E+05 | 1.3E+06 | 21,000 | 22,000 | 1.1E+06 | 1,000 | 1.90E+05 |
| Units | | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| B-49 (13-15') | 2/22/2011 | 8.2 | <5.0 | <5.0 | 33 | <5.0 | <5.0 | <5.0 | 9.0 | <5.0 | 760 | <5.0 | <5.0 | <15 |
| B-49 (19.5-21.5') | 2/22/2011 | <10 | <10 | <10 | 31 | <10 | <10 | <10 | 49 | <10 | 1,600 | <10 | <10 | <30 |
| B-50 (7-9') | 2/23/2011 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | 33 | <5.0 | 710 | <5.0 | <5.0 | <15 |
| B-50 (13-15') | 2/23/2011 | <50 | <50 | <50 | <50 | <50 | <50 | <50 | 100 | <50 | 5,400 | <50 | <50 | <150 |
| B-50 (20-22') | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | 6.5 | <3.0 |
| B-50 (20-22'), Dup-02 | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.3 | <1.0 | 7.0 | <3.0 |
| B-51 (7-9') | 2/23/2011 | <5.0 | <5.0 | <5.0 | 13 | <5.0 | <5.0 | <5.0 | 25 | <5.0 | 580 | <5.0 | <5.0 | <15 |
| B-51 (13-15') | 2/23/2011 | 36 | <10 | 140 | 87 | <10 | <10 | <10 | 260 | <10 | 1,600 | <10 | <10 | <30 |
| B-51 (20-22') | 2/23/2011 | <10 | <10 | <10 | 23 | 24 | <10 | <10 | <10 | <10 | 970 | <10 | 62 | <30 |
| B-52 (7-9') | 2/23/2011 | 930 | <500 | <500 | 520 | <500 | 4,400 | 85,000 | 2,900 | <500 | 2,900 | <500 | <500 | 43,000 |
| B-52 (13-15') | 2/23/2011 | 57 | <10 | <10 | 71 | <10 | 430 | 120 | <10 | <10 | 30 | <10 | 270 | 1,300 |
| B-52 (20-22') | 2/23/2011 | <5.0 | <5.0 | <5.0 | 140 | 16 | <5.0 | <5.0 | <5.0 | <5.0 | 440 | <5.0 | <5.0 | <15 |
| B-53 (18-20') | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 120 | <1.0 | <1.0 | <3.0 |
| B-53 (24-26') | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| B-54 (18-20') | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | <1.0 | <1.0 | <3.0 |
| B-54 (26-28') | 2/23/2011 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <3.0 |
| MW-01s (16-21') | 3/13/2009 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 750 | <20 | 2,700 | <20 | <20 | <60 |
| | 4/20/2009 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 1,100 | <100 | 2,200 | NA | <100 | <300 |
| | 12/09/2009 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 1,000 | <20 | 3,400 | <20 | <20 | <60 |
| | 3/17/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 1,400 | <20 | 2,500 | <20 | <20 | <60 |
| | 5/18/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 1,000 | <20 | 2,700 | <20 | <20 | <60 |
| | 9/3/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 750 | <20 | 2,400 | <20 | <20 | <60 |
| | 12/28/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 1,100 | <20 | 2,500 | <20 | <20 | <60 |
| DUP-01 (MW-01s) | 2/25/2011 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 560 | <10 | 1,300 | <10 | <10 | <30 |
| DUP-01 (MW-01s) | 3/13/2009 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 720 | <20 | 2700 | <20 | <20 | <60 |

Notes:
 Residential and Industrial Health-Based Drinking Water Criteria (DWC), Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria (GCC) from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended December 14, 2010.
 Groundwater Screening Levels (GWSLs) for Vapor Intrusion were calculated in accordance with the MDEQ Remediation and Redevelopment Division Program Redesign 2009 document titled *Background Document: Draft Proposed Vapor Intrusion Indoor Air Criteria (IAC), Soil Gas Criteria (SGC), and Groundwater Groundwater Screening Levels (GW_{VI}SLs) for Vapor Intrusion*, using both residential and non-residential exposure scenarios and the most recent chemical specific toxicity values accepted and/or published by the United States Environmental Protection Agency (USEPA). Proposed GWSLs were approved by USEPA in a comment letter dated August 24, 2010.

ug/L = micrograms per liter

NC = No criteria

ND = Criteria not determined

Bold font denotes concentrations detected above laboratory reporting limits

Green background Denotes concentrations above one or more criteria

1) Criterion is not protective for surface water used as a drinking water source as described in footnote (X) of MDEQ Op Memo 1 Part 201, Attachment 1.

2) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21

Table 1
 Permeable Reactive Barrier Design Investigation
 Summary of Detected Volatile Organic Compounds in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

| Analyte | 1,1-Dichloroethane | 1,2-Dichloroethane | 1,1-Dichloroethene ⁽²⁾ | cis-1,2-Dichloroethene | trans-1,2-Dichloroethene | Ethylbenzene ⁽²⁾ | Toluene ⁽²⁾ | 1,1,1-Trichloroethane | 1,1,2-Trichloroethane | Trichloroethene | Trichloro-fluoromethane | Vinyl Chloride | Total Xylenes ⁽²⁾ |
|--|--------------------|--------------------|-----------------------------------|------------------------|--------------------------|-----------------------------|------------------------|-----------------------|-----------------------|--------------------|-------------------------|-------------------|------------------------------|
| Residential Health-Based DWC | 880 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 2,600 | 2.0 | 10,000 |
| Industrial Health-Based DWC | 2,500 | 5.0 | 7.0 | 70 | 100 | 700 | 1,000 | 200 | 5.0 | 5.0 | 7,300 | 2.0 | 10,000 |
| GSI Criteria | 740 | 360 ⁽¹⁾ | 130 | 620 | 1,500 ⁽¹⁾ | 18 | 270 | 89 | 330 ⁽¹⁾ | 200 ⁽¹⁾ | NC | 13 ⁽¹⁾ | 41 |
| Residential GWSL for Vapor Intrusion | 130 | 47 | 390 | 440 | 330 | ND | ND | 15,000 | ND | 58 | 370 | 5.0 | ND |
| Non-Residential GWSL for Vapor Intrusion | 440 | 160 | 550 | 610 | 460 | ND | ND | 21,000 | ND | 190 | 510 | 17 | ND |
| Groundwater Contact Criteria | 2.4E+06 | 19,000 | 11,000 | 2.0E+05 | 2.2E+05 | 1.7E+05 | 5.30E+05 | 1.3E+06 | 21,000 | 22,000 | 1.1E+06 | 1,000 | 1.90E+05 |
| Units | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L | ug/L |
| MW-09s (7-12') | 3/16/2009 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 160 | <20 | 1,700 | <20 | <20 |
| | 4/20/2009 | <100 | <100 | <100 | <100 | <100 | <100 | <100 | 220 | <100 | 2,100 | NA | <100 |
| | 12/09/2009 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 150 | <20 | 2,400 | <20 | <20 |
| | 3/18/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 120 | <20 | 1,500 | <20 | <20 |
| | 5/18/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 120 | <20 | 1,700 | <20 | <20 |
| | 9/8/2010 | <20 | <20 | <20 | <20 | <20 | <20 | <20 | 120 | <20 | 1,700 | <20 | <20 |
| 2/25/2011 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | 84 | <10 | 1,100 | <10 | <10 | |
| MW-20s (8-13') | 12/30/2009 | 48 | <1.0 | 4.0 | 9.6 | <1.0 | <1.0 | <1.0 | 150 | <1.0 | 71 | 2.9 | <1.0 |
| | 1/13/2010 | 50 | <1.0 | 3.5 | 9.0 | <1.0 | <1.0 | <1.0 | 170 | <1.0 | 70 | 2.8 | <1.0 |
| | 3/17/2010 | 51 | <1.0 | 3.8 | 9.4 | <1.0 | <1.0 | <1.0 | 160 | <1.0 | 64 | 3.2 | <1.0 |
| | 5/18/2010 | 58 | <2.0 | 5.1 | 12 | <2.0 | <2.0 | <2.0 | 210 | <2.0 | 94 | 3.4 | <2.0 |
| | 9/9/2010 | 34 | <2.0 | 4.2 | 10 | <2.0 | <2.0 | <2.0 | 230 | <2.0 | 110 | 3.8 | <2.0 |
| | 12/21/2010 | 24 | <2.0 | 3.6 | 6.1 | <2.0 | <2.0 | <2.0 | 200 | <2.0 | 89 | 3.6 | <2.0 |
| 2/18/2011 | 19 | <2.0 | 3.3 | 5.5 | <2.0 | <2.0 | <2.0 | 190 | <2.0 | 93 | 3.5 | <2.0 | |
| MW-20d (38.5-43.5') | 12/30/2009 | 1.2 | <1.0 | <1.0 | 86 | <1.0 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | 3.5 |
| | 1/13/2010 | <1.0 | <1.0 | <1.0 | 94 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.7 |
| | 3/17/2010 | <1.0 | <1.0 | <1.0 | 85 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 4.4 |
| | 5/18/2010 | <1.0 | <1.0 | <1.0 | 120 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.7 |
| | 9/8/2010 | <1.0 | <1.0 | <1.0 | 95 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| | 12/21/2010 | <1.0 | <1.0 | <1.0 | 200 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.5 |
| 2/18/2011 | <2.0 | <2.0 | <2.0 | 190 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 3.2 | |
| DUP-03 (MW-20d) | 5/18/2010 | <1.0 | <1.0 | <1.0 | 120 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.7 |

Notes:

Residential and Industrial Health-Based Drinking Water Criteria (DWC), Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria (GCC) from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended December 14, 2010.

Groundwater Screening Levels (GWSLs) for Vapor Intrusion were calculated in accordance with the MDEQ Remediation and Redevelopment Division Program Redesign 2009 document titled *Background Document: Draft Proposed Vapor Intrusion Indoor Air Criteria (IAC), Soil Gas Criteria (SGC), and Groundwater Groundwater Screening Levels (GW_{VI}SLs) for Vapor Intrusion*, using both residential and non-residential exposure scenarios and the most recent chemical specific toxicity values accepted and/or published by the United States Environmental Protection Agency (USEPA). Proposed GWSLs were approved by USEPA in a comment letter dated August 24, 2010.

ug/L = micrograms per liter

NC = No criteria

ND = Criteria not determined

Bold font denotes concentrations detected above laboratory reporting limits

Green background Denotes concentrations above one or more criteria

1) Criterion is not protective for surface water used as a drinking water source as described in footnote (X) of MDEQ Op Memo 1 Part 201, Attachment 1.

2) Compound may exhibit characteristic ignitability as defined in 40 C.F.R. § 261.21

Table 2
 Permeable Reactive Barrier Design Investigation
 Groundwater Elevations
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 March 2011

| Well Location | Top of Well Casing (ft MSL) | Measurement Date | Depth to Groundwater (ft BTOC) | Groundwater Elevation (ft MSL) |
|---------------|-----------------------------|------------------|--------------------------------|--------------------------------|
| MW-01s | 796.53 | 03/01/2011 | 18.05 | 778.48 |
| MW-09s | 783.97 | 03/01/2011 | 6.04 | 777.93 |
| MW-20s | 783.16 | 03/01/2011 | 5.20 | 777.96 |
| PRB-01 | 784.06 | 03/01/2011 | 5.73 | 778.33 |
| PRB-02 | 784.07 | 03/01/2011 | 6.34 | 777.73 |

Notes:

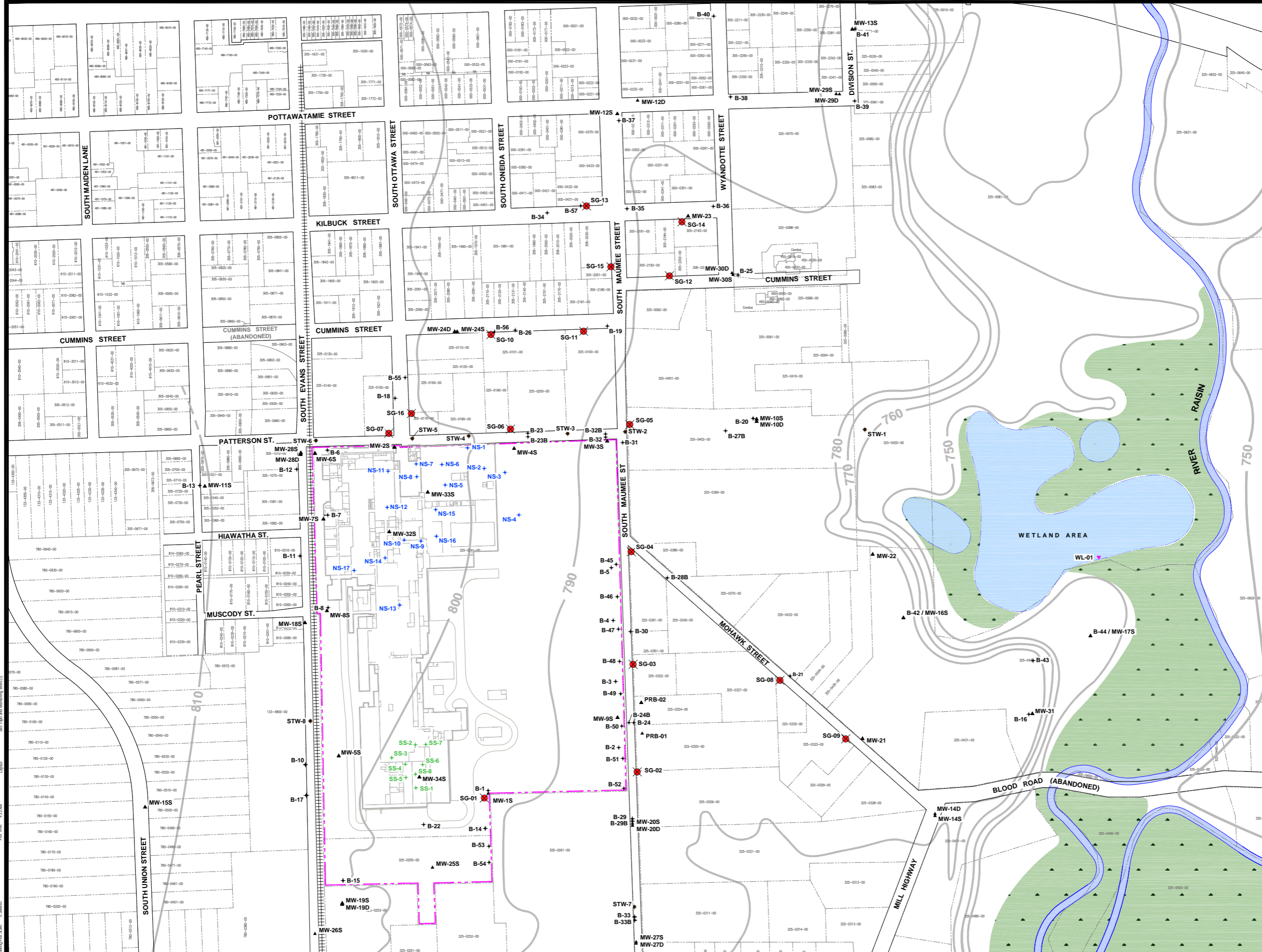
Survey conducted to feet mean sea level by Midwestern Consultants, Inc. (2009 - 2011)

ft MSL - feet above mean sea level

ft BTOC - feet below top of casing

Technical Memorandum

Figures

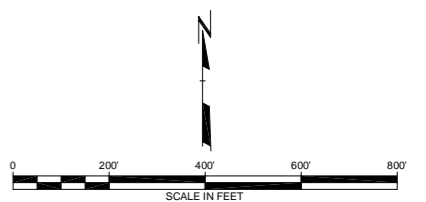


LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- FLOODPLAIN / WOODED WETLAND AREA
- B-2 + PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- ▲ MW-4S ▲ MONITORING WELL LOCATION AND NUMBER
- + NS-6 + NORTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- + SS-2 + SOUTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- ★ STW-2 ★ STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- ▼ WL-01 ▼ WETLAND SURFACE WATER SAMPLE LOCATION
- ✗ SG-02 ✗ SOIL GAS SAMPLE LOCATION AND NUMBER

NOTES

1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
2. GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.



| 5. | | | | | |
|-----|----|------|----------|--------|--|
| 4. | | | | | |
| 3. | | | | | |
| 2. | | | | | |
| 1. | | | | | |
| NO. | BY | DATE | REVISION | APP'D. | |

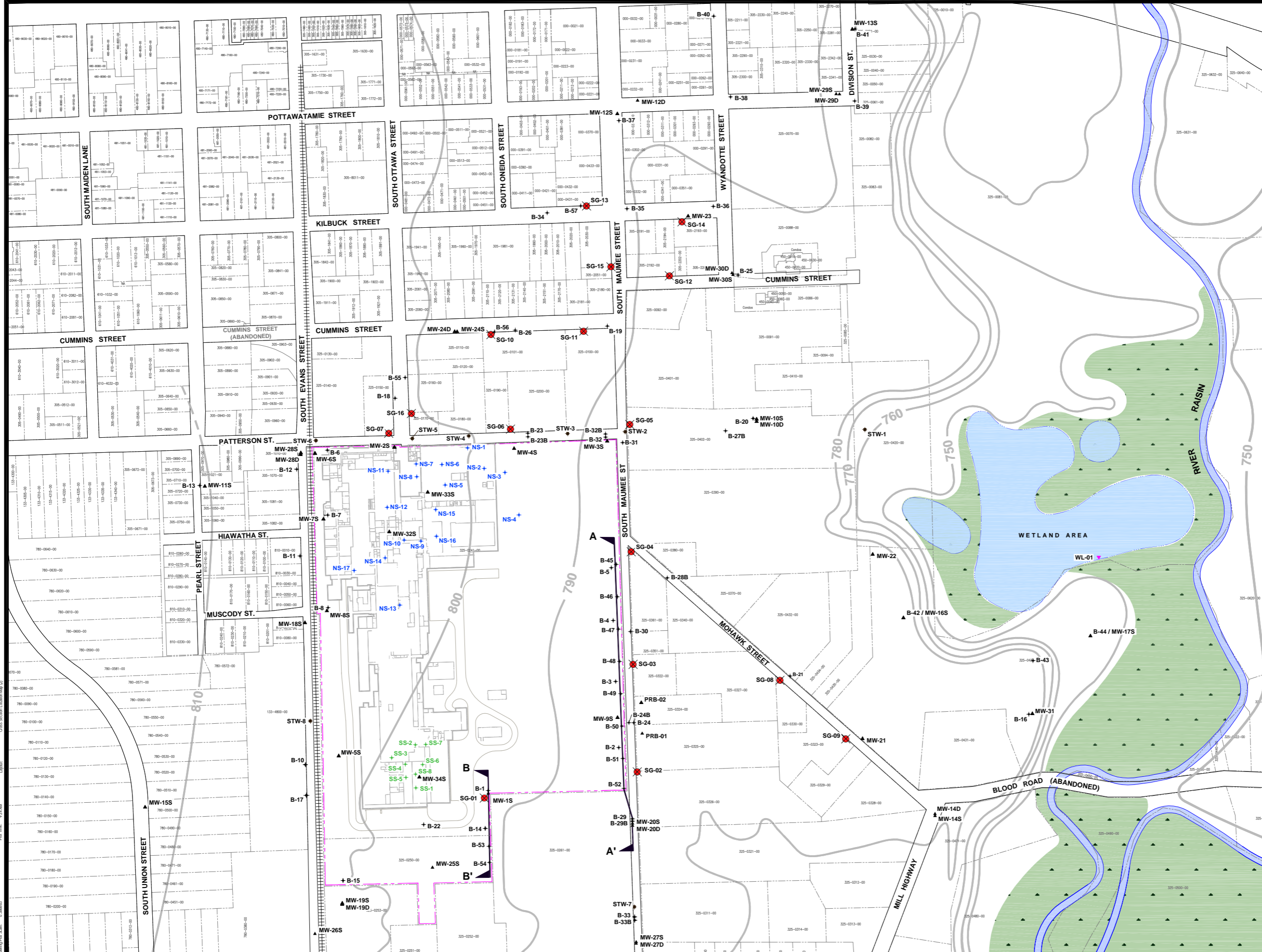
**FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN**

**SURFACE TOPOGRAPHY
AND SAMPLE LOCATIONS**

| | | |
|-----------------|-----------------------------|--------------------------|
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| CHECKED BY: SEM | DATE PRINTED: AS INDICATED | FILE NO: 02751.16.21.dwg |
| APPROVED BY: GC | DATE: March 2011 | FIGURE 1 |

RMT
3754 Rancho Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7000 • Fax: 734-971-9022

PLOT DATA: J:\0251\02751\16.21.dwg
 User: LUCAS_SAM
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 Plot Time: 0:33 AM
 Plot Scale: 0.38693
 Sheet: Top and Monitoring Wells (1)



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- FLOODPLAIN / WOODED WETLAND AREA
- B-2 + PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MW-4S ▲ MONITORING WELL LOCATION AND NUMBER
- NS-6 + NORTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SS-2 + SOUTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STW-2 * STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WL-01 ▼ WETLAND SURFACE WATER SAMPLE LOCATION
- SG-02 ✕ SOIL GAS SAMPLE LOCATION AND NUMBER
- A ▲ CROSS SECTION LOCATOR LINE

NOTES

- BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TECUMSEH, DRAWING NO. CITY.DWG, MARCH 2009.
- GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S TOPOGRAPHIC QUADRANGLE MAP AND GROUND SURVEY DATA.

| NO. | BY | DATE | REVISION | APP'D. |
|-----|----|------|----------|--------|
| 5. | | | | |
| 4. | | | | |
| 3. | | | | |
| 2. | | | | |
| 1. | | | | |

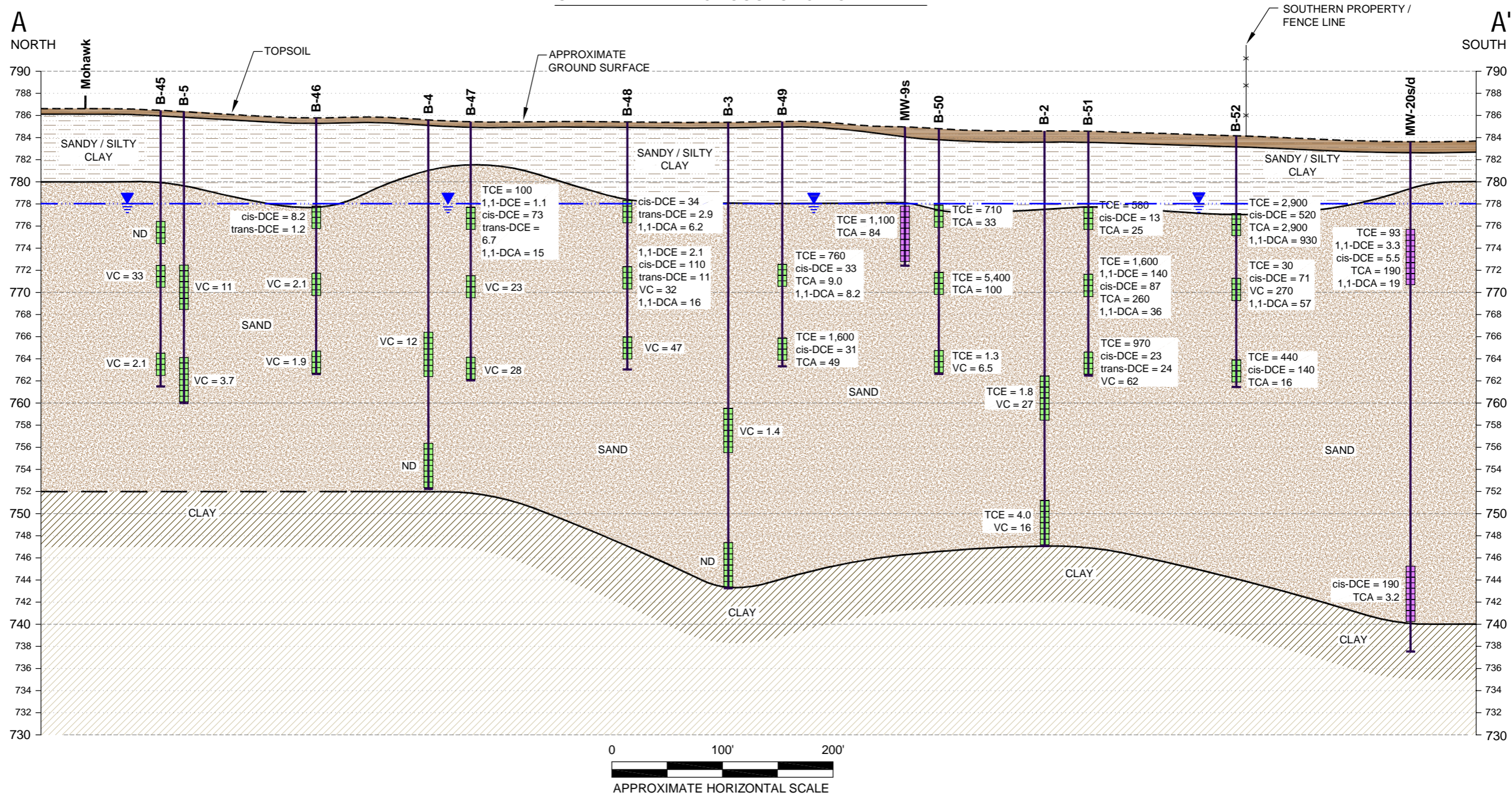
**FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN**

CROSS SECTION LOCATION MAP

| | | | |
|--------------|------------|----------------|-----------------|
| DRAWN BY: | SAL | DRAWING SCALE: | PROJECT NO.: |
| CHECKED BY: | SEM | AS INDICATED | FILE NO.: |
| APPROVED BY: | GC | DATE PRINTED: | FIGURE 2 |
| DATE: | March 2011 | | |

2012 DATA
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 LUCAS, SAM
 Drawing File Name: 0.386483
 Date: 3/1/2011
 PLOT DATE: 3/1/2011
 Plot Time: 9:14 AM
 Layout: Cross Section Location Map (2)

GENERALIZED CROSS SECTION A - A'



LEGEND

| | | | | | |
|--|--------------------|--|--|-----------|----------------------------|
| | TOPSOIL | | APPROXIMATE GROUND SURFACE | TCE | = TRICHLOROETHENE |
| | SAND | | STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL | TCA | = 1,1,1-TRICHLOROETHANE |
| | CLAY | | APPROXIMATE GROUNDWATER ELEVATION | 1,1-DCE | = 1,1-DICHLOROETHENE |
| | SANDY / SILTY CLAY | | TEMPORARY WELL SCREEN | 1,1-DCA | = 1,1-DICHLOROETHANE |
| | SANDY CLAY | | WELL SCREEN | cis-DCE | = 1,2-cis-DICHLOROETHENE |
| | | | | trans-DCE | = 1,2-trans-DICHLOROETHENE |
| | | | | VC | = VINYL CHLORIDE |
| | | | | ND | = NO DETECTIONS |

NOTES

- GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
- SEE FIGURE 2 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
- GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF MARCH 2011.
- DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN

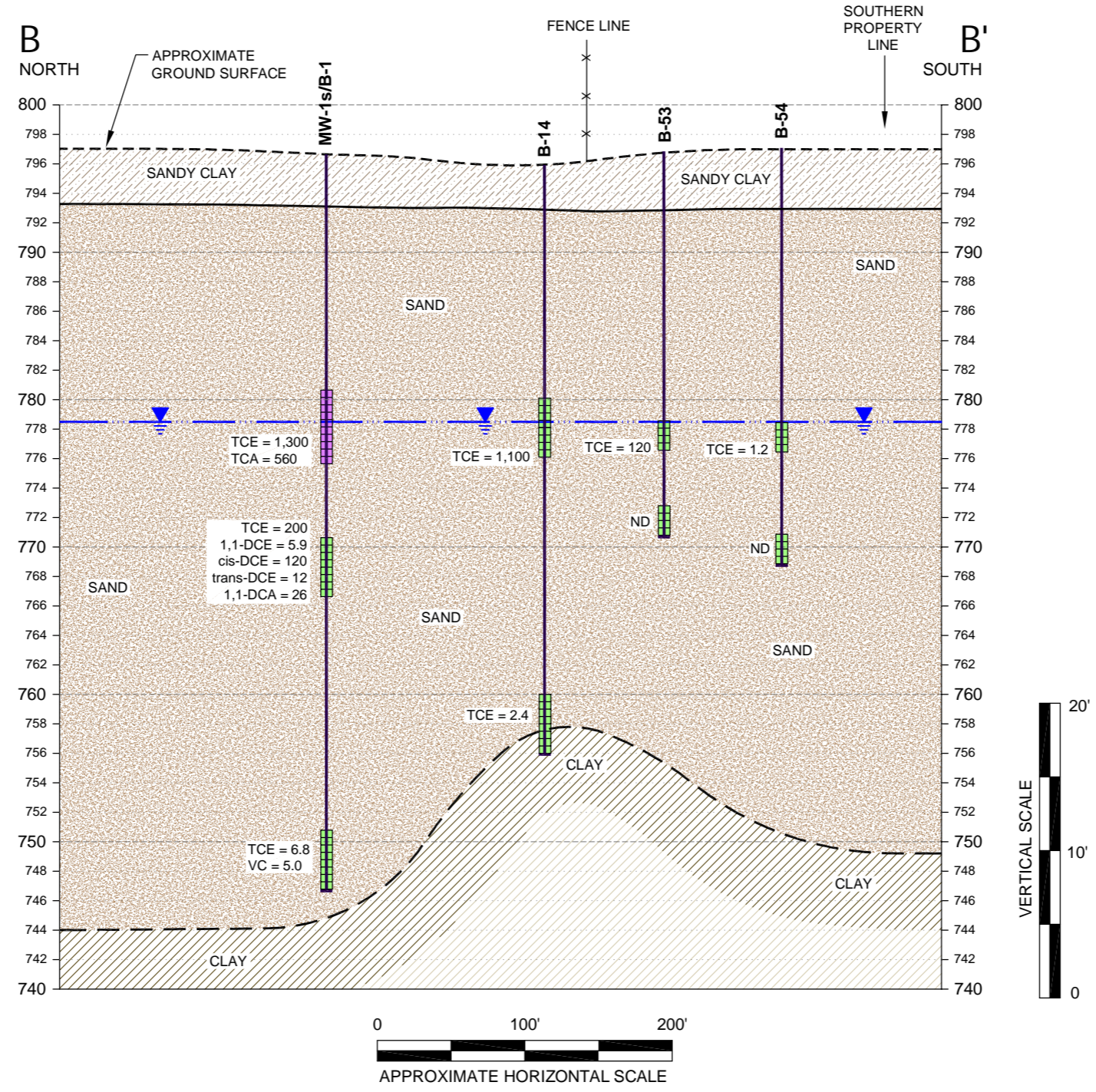
GEOLOGIC CROSS SECTION A - A'

| | | | |
|--------------|-----|-----------------|--------------------|
| DRAWN BY: | SJL | PROJECT NUMBER: | J:\02751\16 |
| CHECKED BY: | SEM | FILE NUMBER: | 02751.16.23-24.dwg |
| APPROVED BY: | GC | DATE: | March 2011 |

RMT

3754 Ranchero Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

GENERALIZED CROSS SECTION B - B'



LEGEND

| | | | | | |
|--|--------------------|--|--|-----------|----------------------------|
| | TOPSOIL | | APPROXIMATE GROUND SURFACE | TCE | = TRICHLOROETHENE |
| | SAND | | STRATIGRAPHIC BOUNDARY BASED ON NEAREST SOIL BORING OR MONITORING WELL | TCA | = 1,1,1-TRICHLOROETHANE |
| | CLAY | | APPROXIMATE GROUNDWATER ELEVATION | 1,1-DCE | = 1,1-DICHLOROETHENE |
| | SANDY / SILTY CLAY | | TEMPORARY WELL SCREEN | 1,1-DCA | = 1,1-DICHLOROETHANE |
| | SANDY CLAY | | WELL SCREEN | cis-DCE | = 1,2-cis-DICHLOROETHENE |
| | | | | trans-DCE | = 1,2-trans-DICHLOROETHENE |
| | | | | VC | = VINYL CHLORIDE |
| | | | | ND | = NO DETECTIONS |

NOTES

- GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
- SEE FIGURE 2 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
- GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF MARCH 2011.
- CLAY INTERFACE PROJECTED FROM BORINGS EAST OF THIS CROSS SECTION.
- DETECTED GROUNDWATER CONCENTRATIONS FOR CONSTITUENTS OF HIGHEST CONCERN ARE PROVIDED IN MICROGRAMS PER LITER.

FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN

GEOLOGIC CROSS SECTION B - B'

| | | | |
|--------------|-----|-----------------|--------------------|
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| CHECKED BY: | SEM | FILE NUMBER: | 02751.16.23-24.dwg |
| APPROVED BY: | GC | DATE: | March 2011 |



3754 Rancho Drive
Ann Arbor, Michigan 48108-2771
Phone: 734-971-7080
Fax: 734-971-9022

Drawing Name: J:\02751\16\02751.16.23-24.dwg Dwg Size: 0.22 Mb
 Operator Name: LUCIDIO, SAM Plot Date: March 22, 2011
 Drawing Plot Scale: 0.386863 Plot Time: 10:56 AM
 RMT COMPUTER AIDED DESIGN AND DRAFTING
 Layout: Section B - B' (4)

Technical Memorandum

Attachment A

Soil Boring and Well Construction Logs



SOIL BORING LOG

BORING NO. B-45

Page 1 of 2

| | | | | | |
|--|--|---|--|--|--------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/22/11 | Date Drilling Completed: 2/22/11 | Project Number: 8070.16 | |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 25.0 | Borehole Dia. (in) 3 |
| Boring Location: Along eastern perimeter of site, 70 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D | |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 10 After Drilling: Date/Time _____ Depth (ft bgs) NM | | |

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 1 GP | 50 | | 0 | CLAYEY SAND WITH GRAVEL mostly fine to coarse sand, little fine gravel, little lean clay, dark yellowish brown (10YR 3/6), no odor, moist, loose to medium dense. | SC | | |
| | | | 2 | SANDY SILT mostly silt, some fine sand, trace gravel, very dark brown (10YR 2/2), no odor, moist, medium dense. Change to very dark yellowish brown (10YR 3/4). | ML | | |
| 2 GP | 92.5 | | 4 | LEAN CLAY WITH SAND mostly lean clay, little fine sand, very plastic, dark brown (10YR 3/3), no odor, moist, medium stiff to stiff. | CL | | |
| | | | 8 | WELL GRADED SAND mostly fine to coarse sand, few silt, few to little sub-rounded gravel, dark yellowish brown (10YR 4/6), no odor, moist, medium dense. Same as above. | SW | | |
| 3 GP | 65 | | 10 ▽ | Change to trace gravel, saturated. | | | Collected grab groundwater sample from 10-12 ft bgs at 12:15 on 2/22/2011 |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|---|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|---|----------------------------------|

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|---|------|-------------|--|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 97.5 | | 14 | Same as above. | | | Collected grab groundwater sample from 14-16 ft bgs at 11:31 on 2/22/2011 |
| | | | 16 | Change to few to little gravel, very dark grayish brown (10YR 3/2). | | | Heaving sand prevent sample collection below 16 feet |
| | | | 18 | | SW | | |
| | | | 20 | | | | |
| | | | 22 | | | | Collected grab groundwater sample from 22-24 ft bgs at 10:48 on 2/22/2011 |
| | | | 24 | | | | |
| | | | 26 | End of boring at 25.0 feet below ground surface. | | | Attempted to set temporary well from 23-25 ft bgs, rose 1 foot when rods were pulled |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT_CORP.GDT 8070.16_3/22/11



SOIL BORING LOG

BORING NO. B-46

Page 1 of 2

| | | | | |
|---|--|---|--|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/22/11 | Date Drilling Completed: 2/22/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 23.0 |
| Boring Location: Along eastern perimeter of site, 210 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/22/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) 8 After Drilling: Date/Time _____ <input type="checkbox"/> Depth (ft bgs) NM | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|---|-------|-------------|--|
| | | | | | | | | |
| | | | | | TOPSOIL | | | |
| | | | | | CLAYEY SAND WITH GRAVEL mostly fine to coarse sand, little fine to coarse angular to sub-angular gravel, little clay, dark yellowish brown (10YR 3/4), no odor, moist, medium dense. | SC | | |
| | | 85 | | 2 | SILTY CLAY WITH SAND mostly lean clay, some silt, little fine to coarse sand, slightly plastic, yellowish brown (10YR 5/8), no odor, moist, stiff to very stiff. | CL-ML | | |
| | | | | 4 | LEAN CLAY WITH SAND mostly lean clay, little fine sand, plastic, dark yellowish brown (10YR 4/6), no odor, moist, stiff to very stiff. | CL | | No recovery due to rock in sampler |
| | | 0 | | 6 | | | | |
| | | | | 8 | POORLY GRADED SAND WITH GRAVEL mostly coarse sand, some fine to coarse sub-rounded gravel, dark yellowish brown (10YR 3/6), no odor, saturated, loose to medium dense. | SP | | Collected grab groundwater sample from 8-10 ft bgs at 13:53 on 2/22/2011 |
| | | 62.5 | | 10 | WELL GRADED SAND mostly fine to coarse sand, few fine sub-rounded to sub-angular gravel, dark brown (10YR 3/3), no odor, saturated, loose to medium dense. | SW | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|--|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|--|----------------------------------|

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | Same as above. | SW | | |
| | | | 14 | WELL GRADED SAND WITH GRAVEL mostly fine to coarse sand, little fine sub-rounded to sub-angular gravel, dark brown (10YR 3/3), no odor, saturated, loose to medium dense. | SW | | Collected grab groundwater sample from 14-16 ft bgs at 12:51 on 2/22/2011 |
| | | | 16 | WELL GRADED SAND mostly fine to coarse sand, few fine sub-rounded to sub-angular gravel, dark brown (10YR 3/3), no odor, saturated, loose to medium dense. | | | Heaving sand prevent sample collection below 16 feet |
| | | | 20 | | SW | | Collected grab groundwater sample from 21-23 ft bgs at 11:48 on 2/22/2011 |
| | | | | End of boring at 23.0 feet below ground surface. | | | |
| | | | 24 | | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT_CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-47

Page 1 of 2


| | | | | | |
|---|--|---|--|--|--------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/22/11 | Date Drilling Completed: 2/22/11 | Project Number: 8070.16 | |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 23.0 | Borehole Dia. (in) 3 |
| Boring Location: Along eastern perimeter of site, 350 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D | |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/22/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) <u>7.75</u> After Drilling: Date/Time _____ Depth (ft bgs) <u>NM</u> | | |

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|---|-------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | TOPSOIL | | | |
| | | | | SILTY CLAY WITH SAND mostly lean clay, little silt, little fine sand, plastic, dark yellowish brown (10YR 3/6), no odor, moist, stiff. | CL-ML | | |
| | | | | WELL GRADED SAND mostly fine to coarse sand, few fine to coarse sub-rounded to sub-angular gravel, few silt, dark yellowish brown (10YR 4/4), no odor, moist, loose to medium dense. | | | |
| | | | ▽ | Change to saturated. | SW | | Collected grab groundwater sample from 7.75-9.75 ft bgs at 15:40 on 2/22/2011 |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|---|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|---|----------------------------------|

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|--|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 85 | | 14 | Same as above. | SW |  | Collected grab groundwater sample from 14-16 ft bgs at 14:32 on 2/22/2011 |
| | | | 16 | | | | Heaving sand prevent sample collection below 16 feet |
| | | | 18 | | | | |
| | | | 20 | | | | |
| | | | 22 | | | | Collected grab groundwater sample from 21-23 ft bgs at 13:37 on 2/22/2011 |
| | | | 24 | End of boring at 23.0 feet below ground surface. | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16.2011.GPJ RMT_CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

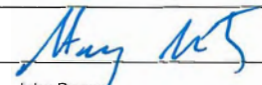
BORING NO. B-48

Page 1 of 2

| | | | | |
|---|---------------------------------|---|---|---------------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/22/11 | Date Drilling Completed: 2/22/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 22.0 |
| Boring Location: Along eastern perimeter of site, 490 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 7.25 After Drilling: Date/Time _____ Depth (ft bgs) NM | |

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|---|-------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | TOPSOIL | | | |
| | | | | CLAYEY SAND mostly fine to coarse sand, some lean clay, few gravel, slightly plastic, very dark brown (10YR 2/2) with orange mottling, no odor, moist, medium dense. | SC | | |
| 1 GP | 75 | | 2 | SANDY LEAN CLAY mostly lean clay, some fine sand, few silt, plastic, dark brown (10YR 3/3), no odor, moist, stiff to very stiff. | CL | | |
| | | | 4 | SILTY SAND mostly fine sand, little silt, few gravel, dark yellowish brown (10YR 4/4), no odor, moist, medium dense. | SM | | |
| 2 GP | 87.5 | | 6 | SILTY CLAY mostly lean clay, little silt, few fine sand, plastic, brown (10YR 4/3), no odor, moist, very stiff to hard. | CL-ML | | |
| | | | ▽ | WELL GRADED SAND mostly fine to coarse sand, few silt, trace coarse gravel, dark yellowish brown (10YR 4/6), no odor, saturated, loose to medium dense. | SW | | Collected grab groundwater sample from 7-9 ft bgs at 17:08 on 2/22/2011 |
| 3 GP | 80 | | 10 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|---|--|----------------------------------|
| Signature:  | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|---|--|----------------------------------|

Checked By: John Bacon



SOIL BORING LOG

BORING NO. B-48

Page 2 of 2

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|---|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 92.5 | | 14 | Same as above. | | | Collected grab groundwater sample from 13-15 ft bgs at 16:29 on 2/22/2011 |
| | | | 16 | Change to few to little fine to coarse sub-rounded to sub-angular gravel. | SW | | Heaving sand prevent sample collection below 16 feet |
| | | | 20 | | | | Collected grab groundwater sample from 19.5-21.5 ft bgs at 15:28 on 2/22/2011 |
| | | | 22 | End of boring at 22.0 feet below ground surface. | | | |
| | | | 24 | | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-49

Page 1 of 2

| | | | | | |
|---|--|---|---|--|--------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/22/11 | Date Drilling Completed: 2/22/11 | Project Number: 8070.16 | |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 22.0 | Borehole Dia. (in) 3 |
| Boring Location: Along eastern perimeter of site, 630 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D | |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time <u>2/22/11 00:00</u> <input checked="" type="checkbox"/> Depth (ft bgs) <u>7.0</u> After Drilling: Date/Time _____ Depth (ft bgs) <u>NM</u> | | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|--|------|-------------|----------|
| | | | | | | | | |
| | | | | | TOPSOIL | | | |
| | 1 GP | 77.5 | | 2 | 1-inch sand seam at 2 feet below ground surface. | | | |
| | | | | 4 | 2-inch sand seam at 3.25 feet below ground surface. | | | |
| | | | | 6 | 3-inch sand seam at 4.5 feet below ground surface. | CL | | |
| | | | | 8 | 1-inch sand seam at 5.25 feet below ground surface. | | | |
| | 2 GP | 75 | | 6 | 2-inch sand seam at 6.25 feet below ground surface. | | | |
| | | | | 8 | POORLY GRADED SAND mostly fine to medium sand, few coarse sand, few silt, dark brown (10YR 3/3), no odor, saturated, medium dense. | SP | | |
| | | | | 10 | WELL GRADED SAND mostly fine to coarse sand, few silt, few sub-rounded to sub-angular gravel, dark yellowish brown (10YR 4/4), no odor, saturated, loose. | SW | | |
| | 3 GP | 82.5 | | | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

Signature:

Firm: RMT, Inc.
3754 Ranchero Drive Ann Arbor, MI 48108

734-971-7080
Fax 734-971-9022

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 95 | | 14 | Same as above. | | | Collected grab groundwater sample from 13-15 ft bgs at 16:58 on 2/22/2011 |
| | | | 16 | | | | Heaving sand prevent sample collection below 16 feet |
| | | | 18 | | | | |
| | | | 20 | | | | Collected grab groundwater sample from 19.5-21.5 ft bgs at 16:22 on 2/22/2011 |
| | | | 22 | End of boring at 22.0 feet below ground surface. | | | |
| | | | 24 | | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT_CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-50

Page 1 of 2

| | | | | |
|---|--|---|---|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/23/11 | Date Drilling Completed: 2/23/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 22.0 |
| Boring Location: Along eastern perimeter of site, 770 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/23/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) 7.0 After Drilling: Date/Time _____ Depth (ft bgs) NM | |

| SAMPLE NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|------------------------|--------------|-------------|---------------|---|------|-------------|---|
| | | | | | | | |
| | | | | TOPSOIL | | | |
| 1 GP | 62.5 | | 2 | SANDY LEAN CLAY mostly lean clay, some fine sand, little silt, plastic, dark brown (10YR 3/3) with dark yellowish brown (10YR 4/6) mottling, no odor, moist, medium stiff to stiff. | CL | | |
| | | | 4 | Change to some fine to coarse sand, few silt, few fine to coarse rounded to sub-rounded gravel, light olive brown (2.5 Y 5/3). Same as above. | | | |
| 2 GP | 75 | | 6 | CLAYEY SAND mostly fine to coarse sand, little lean clay, few silt, dark yellowish brown (10YR 3/6), no odor, moist, loose to medium dense. | SC | | |
| | | | 6 | LEAN CLAY WITH SAND mostly lean clay, little fine to medium sand, trace fine to coarse rounded to sub-rounded gravel, few silt, plastic, dark yellowish brown (10YR 4/4), no odor, moist, stiff. | CL | | |
| | | | 7.9 | WELL GRADED SAND mostly fine to coarse sand, few silt, trace sub-rounded to sub-angular gravel, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense. | SW | | Collected grab groundwater sample from 7-9 ft bgs at 12:20 on 2/23/2011 |
| | | | 8 | WELL GRADED SAND WITH GRAVEL mostly fine to coarse sand, few silt, little sub-rounded to sub-angular gravel, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense. | SW | | |
| 3 GP | 77.5 | | 10 | WELL GRADED SAND mostly fine to coarse sand, few silt, few sub-rounded to sub-angular gravel, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense. | SW | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 - 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|--|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|--|----------------------------------|

Checked By: John Bacon



SOIL BORING LOG

BORING NO. B-50

Page 2 of 2

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 57.5 | | 14 | <p>POORLY GRADED SAND mostly fine to medium sand, few silt, trace sub-rounded to sub-angular gravel, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense.</p> | | | Collected grab groundwater sample from 13-15 ft bgs at 11:01 on 2/23/2011 |
| | | | 16 | <p>2-inch lens of sub-rounded to sub-angular gravel at 15 feet below ground surface.</p> | | | Heaving sand prevent sample collection below 16 feet |
| | | | 18 | | | | |
| | | | 20 | | | | Collected grab groundwater sample from 20-22 ft bgs at 10:08 on 2/23/2011 |
| | | | 22 | <p>End of boring at 22.0 feet below ground surface.</p> | | | |
| | | | 24 | | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-51

Page 1 of 2

| | | | | |
|---|--|---|---|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/23/11 | Date Drilling Completed: 2/23/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 22.0 |
| Boring Location: Along eastern perimeter of site, 910 feet south of Mohawk Street, 10 feet west of eastern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/23/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) <u>7.0</u> After Drilling: Date/Time _____ Depth (ft bgs) <u>NM</u> | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|---|------|-------------|---|
| | | | | | | | | |
| | | | | | TOPSOIL | | | |
| | 1 GP | 62.5 | | 2 | SANDY LEAN CLAY mostly lean clay, some fine sand, little silt, plastic, dark grayish brown (2.5Y 4/2) with dark yellowish brown (10YR 4/6) mottling, no odor, moist, medium stiff. | CL | | |
| | | | | 4 | Change to some fine to coarse sand, very dark grayish brown (10YR 3/2) with no mottling. | | | |
| | | | | | Same as above. | | | |
| | 2 GP | 77.5 | | 6 | WELL GRADED SAND mostly fine to coarse sand, few fine to coarse sub-angular to angular gravel, olive brown (2.5 Y 4/3), no odor, dry to moist, loose to medium dense. | SW | | |
| | | | | | SANDY LEAN CLAY as above, dark yellowish brown (10YR 3/4), stiff. | CL | | |
| | | | | | WELL GRADED SAND WITH GRAVEL well graded sand as above with little gravel. | | | |
| | | | | | Change to dark yellowish brown (10YR 3/4), saturated. | | | |
| | | | | 8 | Same as above. | | | |
| | 3 GP | 82.5 | | 10 | | SW | | Collected grab groundwater sample from 7-9 ft bgs at 13:37 on 2/23/2011 |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|---|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|---|----------------------------------|

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | <p>WELL GRADED SAND mostly fine to coarse sand, trace fine to coarse sub-angular to angular gravel, dark yellowish brown (10YR 3/4), no odor, saturated, loose to medium dense.</p> | SW | | Collected grab groundwater sample from 13-15 ft bgs at 11:35 on 2/23/2011 |
| | | | <p>WELL GRADED SAND WITH GRAVEL mostly fine to coarse sand, little fine to coarse sub-angular to angular gravel, dark yellowish brown (10YR 3/4), no odor, saturated, loose to medium dense.</p> | | | | Heaving sand prevent sample collection below 16 feet |
| | | | | <p>End of boring at 22.0 feet below ground surface.</p> | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-52

Page 1 of 2

| | | | | |
|--|--|---|---|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/23/11 | Date Drilling Completed: 2/23/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 22.0 |
| Boring Location: Along eastern perimeter of site, 1040 feet south of Mohawk Street, 10 feet west of eastern fence, 10 north of southern fence | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/23/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) 7.0 After Drilling: Date/Time _____ Depth (ft bgs) NM | |

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | TOPSOIL | | | |
| 1 GP | 62.5 | | 2 | SILTY SAND mostly fine sand, some silt, trace lean clay, dark yellowish brown (10YR 3/4), no odor, dry to moist, medium dense, tree roots. | SM | | |
| | | | 4 | CLAYEY SAND mostly fine to coarse sand, little lean clay, few to little silt, slightly plastic, dark grayish brown (10YR 3/2), no odor, dry to moist, medium dense. | SC | | |
| 2 GP | 65 | | 6 | SANDY LEAN CLAY mostly lean clay, some fine sand, plastic, brown (10YR 4/3), no odor, moist, stiff to very stiff. | CL | | |
| | | | 7.0 | WELL GRADED SAND mostly fine to coarse sand, few silt, trace sub-rounded to sub-angular gravel, very dark grayish brown (10YR 3/2), no odor, saturated, medium dense. | | | Collected grab groundwater sample from 7-9 ft bgs at 13:19 on 2/23/2011 |
| | | | 8.75 | 1-inch lens of lean clay at 8.75 feet below ground surface. | | | |
| 3 GP | 72.5 | | 10 | Change to few gravel. | SW | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ RMT CORP.GDT 8070.16_3/22/11

| | | |
|------------|---|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|---|----------------------------------|

Checked By: John Bacon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| | | | | Same as above. | SW | | |
| | | | | WELL GRADED SAND WITH GRAVEL mostly fine to coarse sand, few silt, some sub-rounded to sub-angular gravel, very dark grayish brown (10YR 3/2), no odor, saturated, medium dense. | SW | | Collected grab groundwater sample from 13-15 ft bgs at 12:29 on 2/23/2011 |
| | | | 14 | WELL GRADED SAND mostly fine to coarse sand, few silt, few sub-rounded to sub-angular gravel, very dark grayish brown (10YR 3/2), no odor, saturated, medium dense. Change to very dark gray (10YR 3/1). | | | |
| | | | 16 | | | | Heaving sand prevent sample collection below 16 feet |
| | | | 18 | | SW | | |
| | | | 20 | | | | Collected grab groundwater sample from 20-22 ft bgs at 11:28 on 2/23/2011 |
| | | | 22 | End of boring at 22.0 feet below ground surface. | | | |
| | | | 24 | | | | |
| | | | 26 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16.2011.GPJ RMT CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-53

Page 1 of 2

| | | | | |
|--|--|---|--|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/23/11 | Date Drilling Completed: 2/23/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 26.0 |
| Boring Location: Along eastern perimeter of site on Parcel 325-0250-00, 46 feet south of southern fence, 10 feet west of eastern property line | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/23/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) 17.5 After Drilling: Date/Time _____ Depth (ft bgs) NM | |

| SAMPLE NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|------------------------|--------------|-------------|---------------|---|------|-------------|--------------------------------------|
| | | | | | | | |
| | | | | TOPSOIL | | | |
| 1 GP | 45 | | 2 | SANDY LEAN CLAY mostly lean clay, some fine to coarse sand, few to little fine to coarse sub-rounded to sub-angular gravel, plastic, dark yellowish brown (10YR 3/4), no odor, moist, stiff. | CL | | |
| | | | 4 | Same as above. | | | Poor recovery due to rock in sampler |
| 2 GP | 25 | | 6 | WELL GRADED SAND mostly fine to coarse sand, few fine to coarse sub-angular to angular gravel, few silt, dark yellowish brown (10YR 4/6), no odor, dry, loose. | | | |
| | | | 8 | Same as above. | | | |
| | | | | Change to moist. | SW | | |
| 3 GP | 92.5 | | 10 | Change to medium dense to dense. | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 .2011.GPJ RMT_CORP.GDT 8070.16 3/22/11

| | | |
|------------|--|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|--|----------------------------------|

Checked By: John Bacon



SOIL BORING LOG

BORING NO. B-53

Page 2 of 2

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|--|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 75 | | 14 | Same as above. | | | |
| 5 GP | 75 | | 16 | Same as above. | | | |
| | | | 18 | ▽ Change to saturated. | | | |
| 6 GP | 87.5 | | 20 | Same as above. | SW | | |
| | | | 22 | | | | |
| | | | 24 | | | | Heaving sand prevent sample collection below 24 feet |
| | | | 26 | End of boring at 26.0 feet below ground surface. | | | Collected grab groundwater sample from 24-26 ft bgs at 14:58 on 2/23/2011 |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11



SOIL BORING LOG

BORING NO. B-54

Page 1 of 2

| | | | | | |
|--|--|---|--|--|--------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/23/11 | Date Drilling Completed: 2/23/11 | Project Number: 8070.16 | |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push | Surface Elev. (ft) --- | TOC Elevation (ft) --- | Total Depth (ft bgs) 28.0 | Borehole Dia. (in) 3 |
| Boring Location: Along eastern perimeter of site on Parcel 325-0250-00, 125 feet south of southern fence, 10 feet west of eastern property line | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw | | Drilling Equipment: Geoprobe 6620D | |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/23/11 00:00 <input checked="" type="checkbox"/> Depth (ft bgs) 18 After Drilling: Date/Time _____ Depth (ft bgs) NM | | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|---|------|-------------|-----------------------------------|
| | | | | | | | | |
| | | | | | TOPSOIL | | | |
| | 1 GP | 62.5 | | 2 | SANDY LEAN CLAY mostly lean clay, some fine to medium sand, few silt, slightly plastic, dark yellowish brown (10YR 3/4), no odor, moist, very stiff. | CL | | |
| | 2 GP | 67.5 | | 4 | SILTY SAND mostly fine to medium sand, little silt, few fine to coarse sub-angular to angular gravel, yellowish brown (10YR 5/4), no odor, dry, loose to medium dense. | | | |
| | 3 GP | 0 | | 10 | | SM | | No recovery due to broken sampler |
| | | | | 12 | Same as above. | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16 2011.GPJ RMT CORP.GDT 8070.16 3/22/11

| | | |
|------------|---|----------------------------------|
| Signature: | Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 | 734-971-7080 Fax 734-971-9022 |
|------------|---|----------------------------------|

Checked By: John Bazon

| SAMPLE | | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | COMMENTS |
|-----------------|--------------|-------------|---------------|---|------|-------------|---|
| NUMBER AND TYPE | RECOVERY (%) | | | | | | |
| 4 GP | 100 | | 14 | WELL GRADED SAND mostly fine to coarse sand, few fine to coarse sub-rounded to sub-angular gravel, few silt, dark yellowish brown (10YR 4/4), no odor, moist, medium dense to dense. | SM | | |
| | | | 16 | Same as above. | | | |
| 5 GP | 75 | | 18 | Change to saturated. | | | Collected grab groundwater sample from 18-20 ft bgs at 16:24 on 2/23/2011 |
| | | | 20 | Same as above. | | | |
| 6 GP | 72.5 | | 22 | | SW | | Heaving sand prevent sample collection below 24 feet |
| | | | 24 | | | | |
| | | | 26 | | | | Collected grab groundwater sample from 26-28 ft bgs at 15:47 on 2/23/2011 |
| | | | 28 | End of boring at 28.0 feet below ground surface. | | | |
| | | | 30 | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16.2011.GPJ RMT CORP.GDT 8070.16 3/22/11



WELL CONSTRUCTION LOG

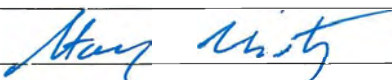
WELL NO. PRB-01

Page 1 of 1

| | | | | | |
|---|--|---|--|--|----------------------------------|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/24/11 | Date Drilling Completed: 2/24/11 | Project Number: 8070.16 | |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push/HSA | Surface Elev. (ft) 784.5 | TOC Elevation (ft) 784.06 | Total Depth (ft bgs) 12.0 | Borehole Dia. (in) 3-8 |
| Boring Location: In ROW E of Maumee, ~810 ft S of Mohawk N: 180835.32 E: 13239424.26 | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw and Patrick Hogan | | Drilling Equipment: Geoprobe 6620D | |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time 2/24/11 00:00 ∇ Depth (ft bgs) <u>6.5</u> After Drilling: Date/Time 2/24/11 10:43 ∇ Depth (ft bgs) <u>6.62</u> | | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | WELL DIAGRAM | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|---|-------|-------------|--------------|----------|
| | | | | | | | | | |
| | | | | | TOPSOIL | | | | |
| | | | | 2 | SILTY CLAY mostly lean clay, some silt, slightly plastic, dark yellowish brown (10YR 4/6) with gray (10YR 5/1) mottling, no odor, dry to moist, very stiff to hard. | | | | |
| | | | | 4 | Same as above. | CL-ML | | | |
| | | | | 6 | Change to very moist. | | | | |
| | | | | 6.62 | ∇ WELL GRADED SAND mostly fine to coarse sand, few sub-rounded fine gravel, few silt, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense to dense. | | | | |
| | | | | 8 | Same as above. | SW | | | |
| | | | | 10 | | | | | |
| | | | | 12 | End of boring at 12.0 feet below ground surface. | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16_2011.GPJ_RMT_CORP.GDT_8070.16_3/22/11

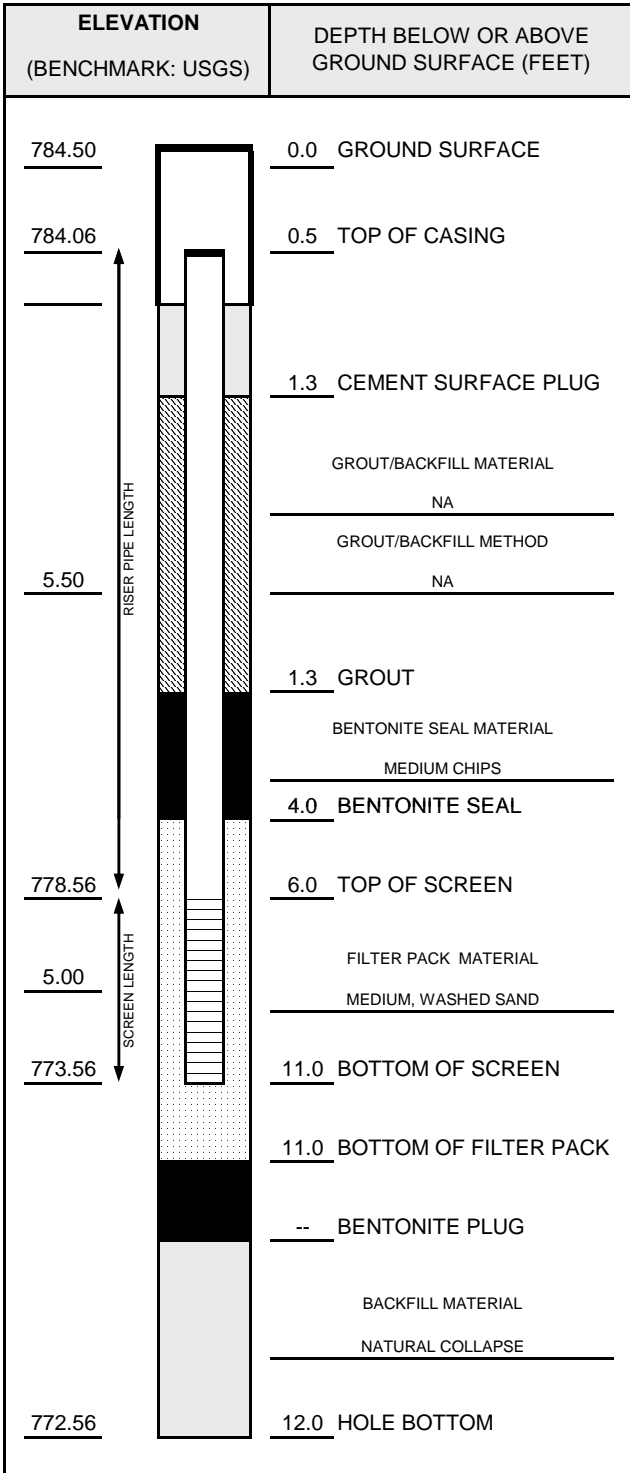
Signature:  Firm: **RMT, Inc.** 3754 Ranchero Drive Ann Arbor, MI 48108 734-971-7080 Fax 734-971-9022

Checked By: John Bacon



WELL CONSTRUCTION DIAGRAM

| | | | | |
|---------------------------------------|---------------------------|-----------------------|------------------------|--|
| PROJ. NAME: Tecumseh Products Company | | | WELL ID: PRB-01 | |
| PROJ. NO: 8070.16 | DATE INSTALLED: 2/24/2011 | INSTALLED BY: S. Metz | CHECKED BY: J. Bacon | |



| CASING AND SCREEN DETAILS | |
|---------------------------|---|
| TYPE OF RISER: | <u>2-INCH PVC</u> |
| PIPE SCHEDULE: | <u>40</u> |
| PIPE JOINTS: | <u>THREADED O-RINGS</u> |
| SOLVENT USED? | <u>NO</u> |
| SCREEN TYPE: | <u>2-INCH PVC</u> |
| SCR. SLOT SIZE: | <u>0.01-INCH</u> |
| BOREHOLE DIAMETER: | <u>8</u> IN. FROM <u>0</u> TO <u>11</u> FT. <u>3</u> IN. FROM <u>11</u> TO <u>12</u> FT. |
| SURF. CASING DIAMETER: | <u>8</u> IN. FROM <u>0</u> TO <u>1</u> FT. <u> </u> IN. FROM <u> </u> TO <u> </u> FT. |

| WELL DEVELOPMENT | |
|--|------------------------|
| DEVELOPMENT METHOD: | <u>SURGE AND PUMP</u> |
| TIME DEVELOPING: | <u>0.1</u> HOURS |
| WATER REMOVED: | <u>12</u> GALLONS |
| WATER ADDED: | <u>0</u> GALLONS |
| WATER CLARITY BEFORE / AFTER DEVELOPMENT | |
| CLARITY BEFORE: | <u>Very Turbid</u> |
| COLOR BEFORE: | <u>Brown</u> |
| CLARITY AFTER: | <u>Slightly Turbid</u> |
| COLOR AFTER: | <u>Light Brown</u> |
| ODOR (IF PRESENT): | <u>None</u> |

| WATER LEVEL SUMMARY | | | | |
|------------------------|--------------------|-------|-----------|-------|
| | MEASUREMENT (FEET) | | DATE | TIME |
| DTB BEFORE DEVELOPING: | 10.70 | T/PVC | 2/24/2011 | 10:43 |
| DTB AFTER DEVELOPING: | 10.70 | T/PVC | 2/24/2011 | 10:50 |
| SWE BEFORE DEVELOPING: | 6.62 | T/PVC | 2/24/2011 | 10:43 |
| SWE AFTER DEVELOPING: | 6.61 | T/PVC | 2/24/2011 | 10:50 |
| OTHER SWE: | | T/PVC | | |
| OTHER SWE: | | T/PVC | | |

| PROTECTIVE CASING DETAILS | | |
|--------------------------------------|---|-----------------------------|
| PERMANENT, LEGIBLE WELL LABEL ADDED? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| PROTECTIVE COVER AND LOCK INSTALLED? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| LOCK KEY NUMBER: | <u>3120</u> | |

NOTES:



WELL CONSTRUCTION LOG

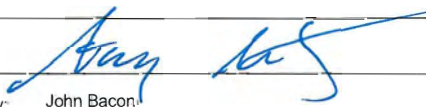
WELL NO. PRB-02

Page 1 of 1

| | | | | |
|--|--|---|--|--|
| Facility/Project Name: Former Tecumseh Products Company | | Date Drilling Started: 2/24/11 | Date Drilling Completed: 2/24/11 | Project Number: 8070.16 |
| Drilling Firm: Terra Probe, Inc. | Drilling Method: Direct Push/HSA | Surface Elev. (ft) 784.5 | TOC Elevation (ft) 784.07 | Total Depth (ft bgs) 12.0 |
| Boring Location: In ROW E of Maumee, ~680 ft S of Mohawk N: 180967.48 E: 13239419.13 | | Personnel Logged By - Stacy Metz Driller - Ray Bashaw and Patrick Hogan | | Drilling Equipment: Geoprobe 6620D |
| Civil Town/City/or Village: Tecumseh | County: Lenawee | State: MI | Water Level Observations: While Drilling: Date/Time <u>2/24/11 00:00</u> ▽ Depth (ft bgs) <u>6.5</u> After Drilling: Date/Time <u>2/24/11 11:11</u> ▾ Depth (ft bgs) <u>6.55</u> | |

| SAMPLE | NUMBER AND TYPE | RECOVERY (%) | BLOW COUNTS | DEPTH IN FEET | LITHOLOGIC DESCRIPTION | USCS | GRAPHIC LOG | WELL DIAGRAM | COMMENTS |
|--------|-----------------|--------------|-------------|---------------|---|-------|-------------|--------------|----------|
| | | | | | | | | | |
| | | | | | TOPSOIL | | | | |
| | 1 | 35 | | 2 | SILTY CLAY mostly lean clay, some silt, slightly plastic, gray (10YR 5/1) with dark yellowish brown (10YR 4/6) mottling, no odor, moist, very stiff to hard. | | | | |
| | | | | 4 | Same as above. | CL-ML | | | |
| | 2 | 70 | | 6 | POORLY GRADED SAND mostly fine sand, few clay, dark yellowish brown (10YR 4/4), no odor, saturated, medium dense. | SP | | | |
| | | | | 8 | CLAYEY GRAVEL WITH SAND mostly fine to coarse sub-rounded gravel, some clay, little fine to coarse sand, slightly plastic, dark yellowish brown (10YR 3/6), no odor, saturated, dense. | GC | | | |
| | 3 | 80 | | 10 | WELL GRADED SAND mostly fine to coarse sand, few sub-rounded gravel, few silt, dark yellowish brown (10YR 3/6), no odor, saturated, medium dense to dense. | SW | | | |
| | | | | 12 | End of boring at 12.0 feet below ground surface. | | | | |

SOIL BORING WELL CONSTRUCTION LOG 8070.16, 2011.GPJ RMT, CORP.GDT 8070.16 3/22/11

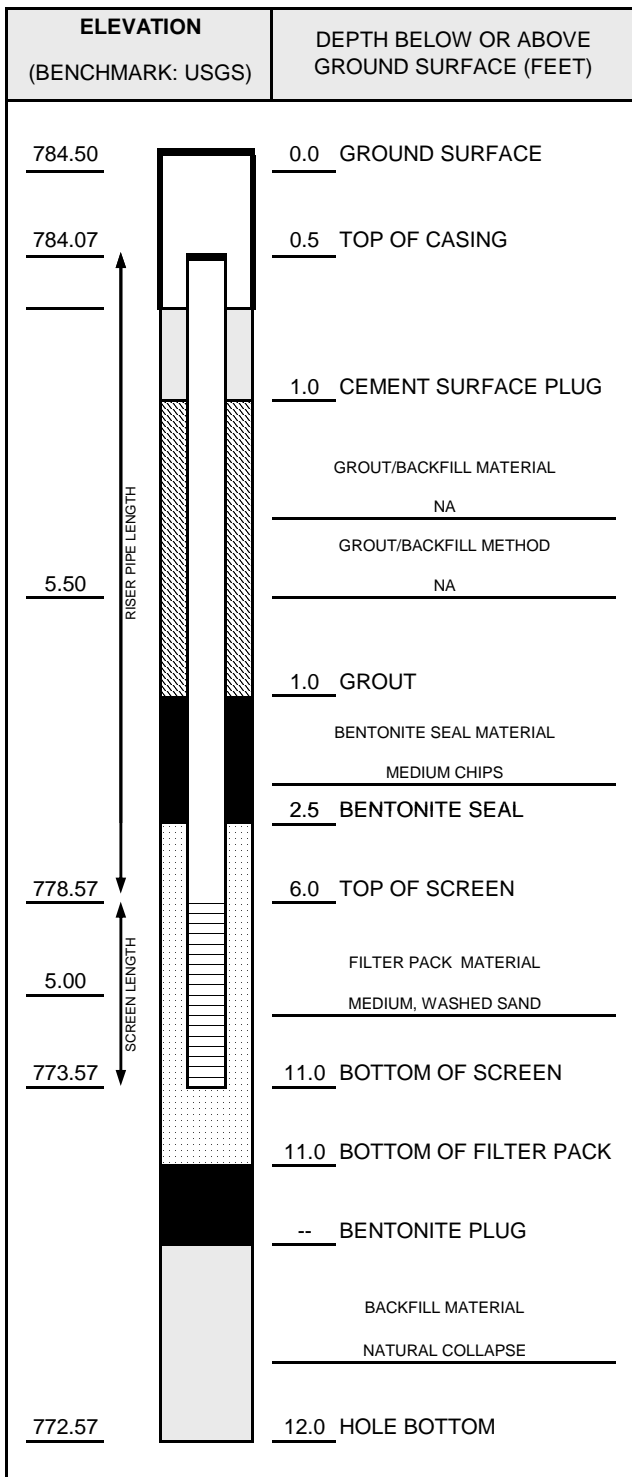
Signature:  Firm: RMT, Inc. 3754 Ranchero Drive Ann Arbor, MI 48108 734-971-7080 Fax 734-971-9022

Checked By: John Bacon



WELL CONSTRUCTION DIAGRAM

| | | | | |
|---------------------------------------|---------------------------|-----------------------|------------------------|--|
| PROJ. NAME: Tecumseh Products Company | | | WELL ID: PRB-02 | |
| PROJ. NO: 8070.16 | DATE INSTALLED: 2/24/2011 | INSTALLED BY: S. Metz | CHECKED BY: J. Bacon | |



| CASING AND SCREEN DETAILS | |
|---------------------------|---|
| TYPE OF RISER: | <u>1-INCH PVC</u> |
| PIPE SCHEDULE: | <u>40</u> |
| PIPE JOINTS: | <u>THREADED O-RINGS</u> |
| SOLVENT USED? | <u>NO</u> |
| SCREEN TYPE: | <u>1-INCH PVC</u> |
| SCR. SLOT SIZE: | <u>0.01-INCH</u> |
| BOREHOLE DIAMETER: | <u>3</u> IN. FROM <u>0</u> TO <u>12</u> FT. |
| | <u> </u> IN. FROM <u> </u> TO <u> </u> FT. |
| SURF. CASING DIAMETER: | <u>8</u> IN. FROM <u>0</u> TO <u>1</u> FT. |
| | <u> </u> IN. FROM <u> </u> TO <u> </u> FT. |

| WELL DEVELOPMENT | |
|--|-----------------------|
| DEVELOPMENT METHOD: | <u>SURGE AND PUMP</u> |
| TIME DEVELOPING: | <u>0.9</u> HOURS |
| WATER REMOVED: | <u>3</u> GALLONS |
| WATER ADDED: | <u>0</u> GALLONS |
| WATER CLARITY BEFORE / AFTER DEVELOPMENT | |
| CLARITY BEFORE: | <u>Very Turbid</u> |
| COLOR BEFORE: | <u>Brown</u> |
| CLARITY AFTER: | <u>Clear</u> |
| COLOR AFTER: | <u>None</u> |
| ODOR (IF PRESENT): | <u>None</u> |

| WATER LEVEL SUMMARY | | | | |
|------------------------|--------------------|-------|-----------|-------|
| | MEASUREMENT (FEET) | | DATE | TIME |
| DTB BEFORE DEVELOPING: | 10.80 | T/PVC | 2/24/2011 | 11:11 |
| DTB AFTER DEVELOPING: | 10.90 | T/PVC | 2/24/2011 | 12:04 |
| SWE BEFORE DEVELOPING: | 6.55 | T/PVC | 2/24/2011 | 11:11 |
| SWE AFTER DEVELOPING: | 6.59 | T/PVC | 2/24/2011 | 12:04 |
| OTHER SWE: | | T/PVC | | |
| OTHER SWE: | | T/PVC | | |

| PROTECTIVE CASING DETAILS | | |
|--------------------------------------|---|-----------------------------|
| PERMANENT, LEGIBLE WELL LABEL ADDED? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| PROTECTIVE COVER INSTALLED? | <input checked="" type="checkbox"/> YES | <input type="checkbox"/> NO |
| LOCK KEY NUMBER: | <u>NA</u> | |

NOTES:

Technical Memorandum

Attachment B

VOC Analytical Data

March 03, 2011

RMT, Inc. - Ann Arbor Office
Attn: Ms. Stacy Metz
3754 Ranchero Drive
Ann Arbor, MI 48108-2771

Project: Tecumseh Products - Investigation

Dear Ms. Stacy Metz,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

| Work Order | Received | Description |
|-------------------|-----------------|---------------------|
| 1102286 | 02/25/2011 | Laboratory Services |

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,



Jennifer L. Rice
Project Chemist

Enclosures(s)

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (22-24')**
 Lab Sample ID: **1102286-01**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 10:48
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (22-24')**
 Lab Sample ID: **1102286-01**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 10:48
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-45 (22-24') | Sampled: 02/22/11 10:48 |
| Lab Sample ID: 1102286-01 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 02/28/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 02/28/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | 2.1 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 99 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 100 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 97 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (14-16')**
 Lab Sample ID: **1102286-02**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 11:31
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (14-16')**
 Lab Sample ID: **1102286-02**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 11:31
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

| | | | |
|-------------------|-------------------------------------|-------------------|---------------------|
| Client: | RMT, Inc. - Ann Arbor Office | Work Order: | 1102286 |
| Project: | Tecumseh Products - Investigation | Description: | Laboratory Services |
| Client Sample ID: | B-45 (14-16') | Sampled: | 02/22/11 11:31 |
| Lab Sample ID: | 1102286-02 | Sampled By: | S. Metz |
| Matrix: | Water | Received: | 02/25/11 09:00 |
| Unit: | ug/L | Prepared: | 02/28/11 By: DLV |
| Dilution Factor: | 1 | Analyzed: | 02/28/11 By: DLV |
| QC Batch: | 1101464 | Analytical Batch: | 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | 33 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 101 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 99 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 98 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 97 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (10-12')**
 Lab Sample ID: **1102286-03**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 12:15
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-45 (10-12')**
 Lab Sample ID: **1102286-03**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 12:15
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-45 (10-12') | Sampled: 02/22/11 12:15 |
| Lab Sample ID: 1102286-03 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 02/28/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 02/28/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 100 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 102 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 96 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 97 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (21-23')**
 Lab Sample ID: **1102286-04**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 11:48
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (21-23')**
 Lab Sample ID: **1102286-04**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 11:48
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-46 (21-23') | Sampled: 02/22/11 11:48 |
| Lab Sample ID: 1102286-04 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 02/28/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 02/28/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | 1.9 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 101 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 100 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 99 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 97 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (14-16')**
 Lab Sample ID: **1102286-05**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 12:51
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (14-16')**
 Lab Sample ID: **1102286-05**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 12:51
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (14-16')**
 Lab Sample ID: **1102286-05**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 12:51
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 02/28/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | 2.1 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 102 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 103 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 99 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (8-10')**
 Lab Sample ID: **1102286-06**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 13:53
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 8.2 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 1.2 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (8-10')**
 Lab Sample ID: **1102286-06**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 13:53
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-46 (8-10')**
 Lab Sample ID: **1102286-06**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 13:53
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 99 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 101 | 87-123 |
| | <i>Toluene-d8</i> | 96 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 98 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (21-23')**
 Lab Sample ID: **1102286-07**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 13:37
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (21-23')**
 Lab Sample ID: **1102286-07**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 13:37
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-47 (21-23') | Sampled: 02/22/11 13:37 |
| Lab Sample ID: 1102286-07 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 02/28/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 03/01/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | 28 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 99 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 102 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 95 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 98 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (14-16')**
 Lab Sample ID: **1102286-08**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 14:32
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (14-16')**
 Lab Sample ID: **1102286-08**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 14:32
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (14-16')**
 Lab Sample ID: **1102286-08**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 14:32
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | 23 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 98 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 101 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 97 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (7.75-9.75')**
 Lab Sample ID: **1102286-09**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:40
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | 15 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | 1.1 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 73 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 6.7 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (7.75-9.75')**
 Lab Sample ID: **1102286-09**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:40
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | 6.4 | 1.0 |
| 79-01-6 | Trichloroethene | 100 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-47 (7.75-9.75')**
 Lab Sample ID: **1102286-09**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:40
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | 2.3 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 98 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 99 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 97 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 99 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (19.5-21.5')**
 Lab Sample ID: **1102286-10**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (19.5-21.5')**
 Lab Sample ID: **1102286-10**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (19.5-21.5')**
 Lab Sample ID: **1102286-10**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 15:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|-------------|---------------------|-------------------|-----|
| 75-01-4 | Vinyl Chloride | 47 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |

| <i>Surrogates:</i> | <i>% Recovery</i> | <i>Control Limits</i> |
|------------------------------|-------------------|-----------------------|
| <i>Dibromofluoromethane</i> | 99 | <i>88-116</i> |
| <i>1,2-Dichloroethane-d4</i> | 101 | <i>87-123</i> |
| <i>Toluene-d8</i> | 95 | <i>91-107</i> |
| <i>4-Bromofluorobenzene</i> | 98 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (13-15')**
 Lab Sample ID: **1102286-11**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:29
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | 16 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | 2.1 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 110 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 11 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (13-15')**
 Lab Sample ID: **1102286-11**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:29
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-48 (13-15') | Sampled: 02/22/11 16:29 |
| Lab Sample ID: 1102286-11 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 02/28/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 03/01/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C01003 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | 32 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 100 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 101 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 96 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (7-9')**
 Lab Sample ID: **1102286-12**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 17:08
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | 6.2 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 34 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 2.9 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (7-9')**
 Lab Sample ID: **1102286-12**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 17:08
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-48 (7-9')**
 Lab Sample ID: **1102286-12**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 17:08
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 02/28/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C01003

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 101 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 104 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 98 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 101 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-49 (19.5-21.5')**
 Lab Sample ID: **1102286-13**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:22
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <200 | 200 |
| 107-13-1 | Acrylonitrile | <20 | 20 |
| 71-43-2 | Benzene | <10 | 10 |
| 108-86-1 | Bromobenzene | <10 | 10 |
| 74-97-5 | Bromochloromethane | <10 | 10 |
| 75-27-4 | Bromodichloromethane | <10 | 10 |
| *75-25-2 | Bromoform | <10 | 10 |
| 74-83-9 | Bromomethane | <50 | 50 |
| 104-51-8 | n-Butylbenzene | <10 | 10 |
| 135-98-8 | sec-Butylbenzene | <10 | 10 |
| 98-06-6 | tert-Butylbenzene | <10 | 10 |
| 75-15-0 | Carbon Disulfide | <10 | 10 |
| 56-23-5 | Carbon Tetrachloride | <10 | 10 |
| 108-90-7 | Chlorobenzene | <10 | 10 |
| 75-00-3 | Chloroethane | <50 | 50 |
| 67-66-3 | Chloroform | <10 | 10 |
| 74-87-3 | Chloromethane | <50 | 50 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <50 | 50 |
| 124-48-1 | Dibromochloromethane | <10 | 10 |
| 106-93-4 | 1,2-Dibromoethane | <10 | 10 |
| 74-95-3 | Dibromomethane | <10 | 10 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <10 | 10 |
| 95-50-1 | 1,2-Dichlorobenzene | <10 | 10 |
| 541-73-1 | 1,3-Dichlorobenzene | <10 | 10 |
| 106-46-7 | 1,4-Dichlorobenzene | <10 | 10 |
| 75-71-8 | Dichlorodifluoromethane | <50 | 50 |
| 75-34-3 | 1,1-Dichloroethane | <10 | 10 |
| 107-06-2 | 1,2-Dichloroethane | <10 | 10 |
| 75-35-4 | 1,1-Dichloroethene | <10 | 10 |
| 156-59-2 | cis-1,2-Dichloroethene | 31 | 10 |
| 156-60-5 | trans-1,2-Dichloroethene | <10 | 10 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-49 (19.5-21.5')**
 Lab Sample ID: **1102286-13**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:22
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|----|
| 78-87-5 | 1,2-Dichloropropane | <10 | 10 |
| 10061-01-5 | cis-1,3-Dichloropropene | <10 | 10 |
| 10061-02-6 | trans-1,3-Dichloropropene | <10 | 10 |
| 100-41-4 | Ethylbenzene | <10 | 10 |
| 60-29-7 | Ethyl Ether | <50 | 50 |
| 591-78-6 | 2-Hexanone | <50 | 50 |
| 74-88-4 | Iodomethane | <10 | 10 |
| 98-82-8 | Isopropylbenzene | <10 | 10 |
| 99-87-6 | 4-Isopropyltoluene | <50 | 50 |
| 1634-04-4 | Methyl tert-Butyl Ether | <50 | 50 |
| 75-09-2 | Methylene Chloride | <50 | 50 |
| 78-93-3 | 2-Butanone (MEK) | <50 | 50 |
| 91-57-6 | 2-Methylnaphthalene | <50 | 50 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <50 | 50 |
| 91-20-3 | Naphthalene | <50 | 50 |
| 103-65-1 | n-Propylbenzene | <10 | 10 |
| 100-42-5 | Styrene | <10 | 10 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <10 | 10 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <10 | 10 |
| 127-18-4 | Tetrachloroethene | <10 | 10 |
| 109-99-9 | Tetrahydrofuran | <50 | 50 |
| 108-88-3 | Toluene | <10 | 10 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <50 | 50 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <50 | 50 |
| 71-55-6 | 1,1,1-Trichloroethane | 49 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | <10 | 10 |
| 79-01-6 | Trichloroethene | 1600 | 10 |
| 75-69-4 | Trichlorofluoromethane | <10 | 10 |
| 96-18-4 | 1,2,3-Trichloropropane | <10 | 10 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <10 | 10 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <10 | 10 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-49 (19.5-21.5')**
 Lab Sample ID: **1102286-13**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:22
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <10 | 10 |
| 136777-61-2 | Xylene, Meta + Para | <20 | 20 |
| 95-47-6 | Xylene, Ortho | <10 | 10 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 95 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 90 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 96 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 94 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-49 (13-15')**
 Lab Sample ID: **1102286-14**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:58
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <100 | 100 |
| 107-13-1 | Acrylonitrile | <10 | 10 |
| 71-43-2 | Benzene | <5.0 | 5.0 |
| 108-86-1 | Bromobenzene | <5.0 | 5.0 |
| 74-97-5 | Bromochloromethane | <5.0 | 5.0 |
| 75-27-4 | Bromodichloromethane | <5.0 | 5.0 |
| *75-25-2 | Bromoform | <5.0 | 5.0 |
| 74-83-9 | Bromomethane | <25 | 25 |
| 104-51-8 | n-Butylbenzene | <5.0 | 5.0 |
| 135-98-8 | sec-Butylbenzene | <5.0 | 5.0 |
| 98-06-6 | tert-Butylbenzene | <5.0 | 5.0 |
| 75-15-0 | Carbon Disulfide | <5.0 | 5.0 |
| 56-23-5 | Carbon Tetrachloride | <5.0 | 5.0 |
| 108-90-7 | Chlorobenzene | <5.0 | 5.0 |
| 75-00-3 | Chloroethane | <25 | 25 |
| 67-66-3 | Chloroform | <5.0 | 5.0 |
| 74-87-3 | Chloromethane | <25 | 25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <25 | 25 |
| 124-48-1 | Dibromochloromethane | <5.0 | 5.0 |
| 106-93-4 | 1,2-Dibromoethane | <5.0 | 5.0 |
| 74-95-3 | Dibromomethane | <5.0 | 5.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <5.0 | 5.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <5.0 | 5.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <5.0 | 5.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <5.0 | 5.0 |
| 75-71-8 | Dichlorodifluoromethane | <25 | 25 |
| 75-34-3 | 1,1-Dichloroethane | 8.2 | 5.0 |
| 107-06-2 | 1,2-Dichloroethane | <5.0 | 5.0 |
| 75-35-4 | 1,1-Dichloroethene | <5.0 | 5.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 33 | 5.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <5.0 | 5.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-49 (13-15')**
 Lab Sample ID: **1102286-14**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 16:58
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <5.0 | 5.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <5.0 | 5.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <5.0 | 5.0 |
| 100-41-4 | Ethylbenzene | <5.0 | 5.0 |
| 60-29-7 | Ethyl Ether | <25 | 25 |
| 591-78-6 | 2-Hexanone | <25 | 25 |
| 74-88-4 | Iodomethane | <5.0 | 5.0 |
| 98-82-8 | Isopropylbenzene | <5.0 | 5.0 |
| 99-87-6 | 4-Isopropyltoluene | <25 | 25 |
| 1634-04-4 | Methyl tert-Butyl Ether | <25 | 25 |
| 75-09-2 | Methylene Chloride | <25 | 25 |
| 78-93-3 | 2-Butanone (MEK) | <25 | 25 |
| 91-57-6 | 2-Methylnaphthalene | <25 | 25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <25 | 25 |
| 91-20-3 | Naphthalene | <25 | 25 |
| 103-65-1 | n-Propylbenzene | <5.0 | 5.0 |
| 100-42-5 | Styrene | <5.0 | 5.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <5.0 | 5.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <5.0 | 5.0 |
| 127-18-4 | Tetrachloroethene | <5.0 | 5.0 |
| 109-99-9 | Tetrahydrofuran | <25 | 25 |
| 108-88-3 | Toluene | <5.0 | 5.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <25 | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <25 | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | 9.0 | 5.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <5.0 | 5.0 |
| 79-01-6 | Trichloroethene | 760 | 5.0 |
| 75-69-4 | Trichlorofluoromethane | <5.0 | 5.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <5.0 | 5.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <5.0 | 5.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <5.0 | 5.0 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-49 (13-15') | Sampled: 02/22/11 16:58 |
| Lab Sample ID: 1102286-14 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 5 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <5.0 | 5.0 |
| 136777-61-2 | Xylene, Meta + Para | <10 | 10 |
| 95-47-6 | Xylene, Ortho | <5.0 | 5.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 98 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 92 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 97 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 94 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **Dup-01**
 Lab Sample ID: **1102286-15**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | 14 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 71 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 6.9 | 1.0 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **Dup-01**
 Lab Sample ID: **1102286-15**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/22/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | 6.8 | 1.0 |
| 79-01-6 | Trichloroethene | 97 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: Dup-01 | Sampled: 02/22/11 00:00 |
| Lab Sample ID: 1102286-15 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 96 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 89 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 96 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 98 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (20-22')**
 Lab Sample ID: **1102286-16**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 10:08
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (20-22')**
 Lab Sample ID: **1102286-16**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 10:08
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | 1.3 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-50 (20-22') | Sampled: 02/23/11 10:08 |
| Lab Sample ID: 1102286-16 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|-----|
| 75-01-4 | Vinyl Chloride | 6.5 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 97 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 93 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 96 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (13-15')**
 Lab Sample ID: **1102286-17**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 50
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:01
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|------|
| 67-64-1 | Acetone | <1000 | 1000 |
| 107-13-1 | Acrylonitrile | <100 | 100 |
| 71-43-2 | Benzene | <50 | 50 |
| 108-86-1 | Bromobenzene | <50 | 50 |
| 74-97-5 | Bromochloromethane | <50 | 50 |
| 75-27-4 | Bromodichloromethane | <50 | 50 |
| *75-25-2 | Bromoform | <50 | 50 |
| 74-83-9 | Bromomethane | <250 | 250 |
| 104-51-8 | n-Butylbenzene | <50 | 50 |
| 135-98-8 | sec-Butylbenzene | <50 | 50 |
| 98-06-6 | tert-Butylbenzene | <50 | 50 |
| 75-15-0 | Carbon Disulfide | <50 | 50 |
| 56-23-5 | Carbon Tetrachloride | <50 | 50 |
| 108-90-7 | Chlorobenzene | <50 | 50 |
| 75-00-3 | Chloroethane | <250 | 250 |
| 67-66-3 | Chloroform | <50 | 50 |
| 74-87-3 | Chloromethane | <250 | 250 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <250 | 250 |
| 124-48-1 | Dibromochloromethane | <50 | 50 |
| 106-93-4 | 1,2-Dibromoethane | <50 | 50 |
| 74-95-3 | Dibromomethane | <50 | 50 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <50 | 50 |
| 95-50-1 | 1,2-Dichlorobenzene | <50 | 50 |
| 541-73-1 | 1,3-Dichlorobenzene | <50 | 50 |
| 106-46-7 | 1,4-Dichlorobenzene | <50 | 50 |
| 75-71-8 | Dichlorodifluoromethane | <250 | 250 |
| 75-34-3 | 1,1-Dichloroethane | <50 | 50 |
| 107-06-2 | 1,2-Dichloroethane | <50 | 50 |
| 75-35-4 | 1,1-Dichloroethene | <50 | 50 |
| 156-59-2 | cis-1,2-Dichloroethene | <50 | 50 |
| 156-60-5 | trans-1,2-Dichloroethene | <50 | 50 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (13-15')**
 Lab Sample ID: **1102286-17**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 50
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:01
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <50 | 50 |
| 10061-01-5 | cis-1,3-Dichloropropene | <50 | 50 |
| 10061-02-6 | trans-1,3-Dichloropropene | <50 | 50 |
| 100-41-4 | Ethylbenzene | <50 | 50 |
| 60-29-7 | Ethyl Ether | <250 | 250 |
| 591-78-6 | 2-Hexanone | <250 | 250 |
| 74-88-4 | Iodomethane | <50 | 50 |
| 98-82-8 | Isopropylbenzene | <50 | 50 |
| 99-87-6 | 4-Isopropyltoluene | <250 | 250 |
| 1634-04-4 | Methyl tert-Butyl Ether | <250 | 250 |
| 75-09-2 | Methylene Chloride | <250 | 250 |
| 78-93-3 | 2-Butanone (MEK) | <250 | 250 |
| 91-57-6 | 2-Methylnaphthalene | <250 | 250 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <250 | 250 |
| 91-20-3 | Naphthalene | <250 | 250 |
| 103-65-1 | n-Propylbenzene | <50 | 50 |
| 100-42-5 | Styrene | <50 | 50 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <50 | 50 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <50 | 50 |
| 127-18-4 | Tetrachloroethene | <50 | 50 |
| 109-99-9 | Tetrahydrofuran | <250 | 250 |
| 108-88-3 | Toluene | <50 | 50 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <250 | 250 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <250 | 250 |
| 71-55-6 | 1,1,1-Trichloroethane | 100 | 50 |
| 79-00-5 | 1,1,2-Trichloroethane | <50 | 50 |
| 79-01-6 | Trichloroethene | 5400 | 50 |
| 75-69-4 | Trichlorofluoromethane | <50 | 50 |
| 96-18-4 | 1,2,3-Trichloropropane | <50 | 50 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <50 | 50 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <50 | 50 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (13-15')**
 Lab Sample ID: **1102286-17**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 50
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:01
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <50 | 50 |
| 136777-61-2 | Xylene, Meta + Para | <100 | 100 |
| 95-47-6 | Xylene, Ortho | <50 | 50 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 96 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 89 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 96 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (7-9')**
 Lab Sample ID: **1102286-18**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:20
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <100 | 100 |
| 107-13-1 | Acrylonitrile | <10 | 10 |
| 71-43-2 | Benzene | <5.0 | 5.0 |
| 108-86-1 | Bromobenzene | <5.0 | 5.0 |
| 74-97-5 | Bromochloromethane | <5.0 | 5.0 |
| 75-27-4 | Bromodichloromethane | <5.0 | 5.0 |
| *75-25-2 | Bromoform | <5.0 | 5.0 |
| 74-83-9 | Bromomethane | <25 | 25 |
| 104-51-8 | n-Butylbenzene | <5.0 | 5.0 |
| 135-98-8 | sec-Butylbenzene | <5.0 | 5.0 |
| 98-06-6 | tert-Butylbenzene | <5.0 | 5.0 |
| 75-15-0 | Carbon Disulfide | <5.0 | 5.0 |
| 56-23-5 | Carbon Tetrachloride | <5.0 | 5.0 |
| 108-90-7 | Chlorobenzene | <5.0 | 5.0 |
| 75-00-3 | Chloroethane | <25 | 25 |
| 67-66-3 | Chloroform | <5.0 | 5.0 |
| 74-87-3 | Chloromethane | <25 | 25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <25 | 25 |
| 124-48-1 | Dibromochloromethane | <5.0 | 5.0 |
| 106-93-4 | 1,2-Dibromoethane | <5.0 | 5.0 |
| 74-95-3 | Dibromomethane | <5.0 | 5.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <5.0 | 5.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <5.0 | 5.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <5.0 | 5.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <5.0 | 5.0 |
| 75-71-8 | Dichlorodifluoromethane | <25 | 25 |
| 75-34-3 | 1,1-Dichloroethane | <5.0 | 5.0 |
| 107-06-2 | 1,2-Dichloroethane | <5.0 | 5.0 |
| 75-35-4 | 1,1-Dichloroethene | <5.0 | 5.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <5.0 | 5.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <5.0 | 5.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (7-9')**
 Lab Sample ID: **1102286-18**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:20
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <5.0 | 5.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <5.0 | 5.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <5.0 | 5.0 |
| 100-41-4 | Ethylbenzene | <5.0 | 5.0 |
| 60-29-7 | Ethyl Ether | <25 | 25 |
| 591-78-6 | 2-Hexanone | <25 | 25 |
| 74-88-4 | Iodomethane | <5.0 | 5.0 |
| 98-82-8 | Isopropylbenzene | <5.0 | 5.0 |
| 99-87-6 | 4-Isopropyltoluene | <25 | 25 |
| 1634-04-4 | Methyl tert-Butyl Ether | <25 | 25 |
| 75-09-2 | Methylene Chloride | <25 | 25 |
| 78-93-3 | 2-Butanone (MEK) | <25 | 25 |
| 91-57-6 | 2-Methylnaphthalene | <25 | 25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <25 | 25 |
| 91-20-3 | Naphthalene | <25 | 25 |
| 103-65-1 | n-Propylbenzene | <5.0 | 5.0 |
| 100-42-5 | Styrene | <5.0 | 5.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <5.0 | 5.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <5.0 | 5.0 |
| 127-18-4 | Tetrachloroethene | <5.0 | 5.0 |
| 109-99-9 | Tetrahydrofuran | <25 | 25 |
| 108-88-3 | Toluene | <5.0 | 5.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <25 | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <25 | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | 33 | 5.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <5.0 | 5.0 |
| 79-01-6 | Trichloroethene | 710 | 5.0 |
| 75-69-4 | Trichlorofluoromethane | <5.0 | 5.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <5.0 | 5.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <5.0 | 5.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <5.0 | 5.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-50 (7-9')**
 Lab Sample ID: **1102286-18**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:20
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <5.0 | 5.0 |
| 136777-61-2 | Xylene, Meta + Para | <10 | 10 |
| 95-47-6 | Xylene, Ortho | <5.0 | 5.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 97 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 92 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 96 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (20-22')**
 Lab Sample ID: **1102286-19**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 10:56
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <200 | 200 |
| 107-13-1 | Acrylonitrile | <20 | 20 |
| 71-43-2 | Benzene | <10 | 10 |
| 108-86-1 | Bromobenzene | <10 | 10 |
| 74-97-5 | Bromochloromethane | <10 | 10 |
| 75-27-4 | Bromodichloromethane | <10 | 10 |
| *75-25-2 | Bromoform | <10 | 10 |
| 74-83-9 | Bromomethane | <50 | 50 |
| 104-51-8 | n-Butylbenzene | <10 | 10 |
| 135-98-8 | sec-Butylbenzene | <10 | 10 |
| 98-06-6 | tert-Butylbenzene | <10 | 10 |
| 75-15-0 | Carbon Disulfide | <10 | 10 |
| 56-23-5 | Carbon Tetrachloride | <10 | 10 |
| 108-90-7 | Chlorobenzene | <10 | 10 |
| 75-00-3 | Chloroethane | <50 | 50 |
| 67-66-3 | Chloroform | <10 | 10 |
| 74-87-3 | Chloromethane | <50 | 50 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <50 | 50 |
| 124-48-1 | Dibromochloromethane | <10 | 10 |
| 106-93-4 | 1,2-Dibromoethane | <10 | 10 |
| 74-95-3 | Dibromomethane | <10 | 10 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <10 | 10 |
| 95-50-1 | 1,2-Dichlorobenzene | <10 | 10 |
| 541-73-1 | 1,3-Dichlorobenzene | <10 | 10 |
| 106-46-7 | 1,4-Dichlorobenzene | <10 | 10 |
| 75-71-8 | Dichlorodifluoromethane | <50 | 50 |
| 75-34-3 | 1,1-Dichloroethane | <10 | 10 |
| 107-06-2 | 1,2-Dichloroethane | <10 | 10 |
| 75-35-4 | 1,1-Dichloroethene | <10 | 10 |
| 156-59-2 | cis-1,2-Dichloroethene | 23 | 10 |
| 156-60-5 | trans-1,2-Dichloroethene | 24 | 10 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (20-22')**
 Lab Sample ID: **1102286-19**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 10:56
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|----|
| 78-87-5 | 1,2-Dichloropropane | <10 | 10 |
| 10061-01-5 | cis-1,3-Dichloropropene | <10 | 10 |
| 10061-02-6 | trans-1,3-Dichloropropene | <10 | 10 |
| 100-41-4 | Ethylbenzene | <10 | 10 |
| 60-29-7 | Ethyl Ether | <50 | 50 |
| 591-78-6 | 2-Hexanone | <50 | 50 |
| 74-88-4 | Iodomethane | <10 | 10 |
| 98-82-8 | Isopropylbenzene | <10 | 10 |
| 99-87-6 | 4-Isopropyltoluene | <50 | 50 |
| 1634-04-4 | Methyl tert-Butyl Ether | <50 | 50 |
| 75-09-2 | Methylene Chloride | <50 | 50 |
| 78-93-3 | 2-Butanone (MEK) | <50 | 50 |
| 91-57-6 | 2-Methylnaphthalene | <50 | 50 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <50 | 50 |
| 91-20-3 | Naphthalene | <50 | 50 |
| 103-65-1 | n-Propylbenzene | <10 | 10 |
| 100-42-5 | Styrene | <10 | 10 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <10 | 10 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <10 | 10 |
| 127-18-4 | Tetrachloroethene | <10 | 10 |
| 109-99-9 | Tetrahydrofuran | <50 | 50 |
| 108-88-3 | Toluene | <10 | 10 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <50 | 50 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <50 | 50 |
| 71-55-6 | 1,1,1-Trichloroethane | <10 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | <10 | 10 |
| 79-01-6 | Trichloroethene | 970 | 10 |
| 75-69-4 | Trichlorofluoromethane | <10 | 10 |
| 96-18-4 | 1,2,3-Trichloropropane | <10 | 10 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <10 | 10 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <10 | 10 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-51 (20-22') | Sampled: 02/23/11 10:56 |
| Lab Sample ID: 1102286-19 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 10 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|----|
| 75-01-4 | Vinyl Chloride | 62 | 10 |
| 136777-61-2 | Xylene, Meta + Para | <20 | 20 |
| 95-47-6 | Xylene, Ortho | <10 | 10 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 97 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 91 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 97 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (13-15')**
 Lab Sample ID: **1102286-20**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:35
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <200 | 200 |
| 107-13-1 | Acrylonitrile | <20 | 20 |
| 71-43-2 | Benzene | <10 | 10 |
| 108-86-1 | Bromobenzene | <10 | 10 |
| 74-97-5 | Bromochloromethane | <10 | 10 |
| 75-27-4 | Bromodichloromethane | <10 | 10 |
| *75-25-2 | Bromoform | <10 | 10 |
| 74-83-9 | Bromomethane | <50 | 50 |
| 104-51-8 | n-Butylbenzene | <10 | 10 |
| 135-98-8 | sec-Butylbenzene | <10 | 10 |
| 98-06-6 | tert-Butylbenzene | <10 | 10 |
| 75-15-0 | Carbon Disulfide | <10 | 10 |
| 56-23-5 | Carbon Tetrachloride | <10 | 10 |
| 108-90-7 | Chlorobenzene | <10 | 10 |
| 75-00-3 | Chloroethane | <50 | 50 |
| 67-66-3 | Chloroform | <10 | 10 |
| 74-87-3 | Chloromethane | <50 | 50 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <50 | 50 |
| 124-48-1 | Dibromochloromethane | <10 | 10 |
| 106-93-4 | 1,2-Dibromoethane | <10 | 10 |
| 74-95-3 | Dibromomethane | <10 | 10 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <10 | 10 |
| 95-50-1 | 1,2-Dichlorobenzene | <10 | 10 |
| 541-73-1 | 1,3-Dichlorobenzene | <10 | 10 |
| 106-46-7 | 1,4-Dichlorobenzene | <10 | 10 |
| 75-71-8 | Dichlorodifluoromethane | <50 | 50 |
| 75-34-3 | 1,1-Dichloroethane | 36 | 10 |
| 107-06-2 | 1,2-Dichloroethane | <10 | 10 |
| 75-35-4 | 1,1-Dichloroethene | 140 | 10 |
| 156-59-2 | cis-1,2-Dichloroethene | 87 | 10 |
| 156-60-5 | trans-1,2-Dichloroethene | <10 | 10 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (13-15')**
 Lab Sample ID: **1102286-20**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:35
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|----|
| 78-87-5 | 1,2-Dichloropropane | <10 | 10 |
| 10061-01-5 | cis-1,3-Dichloropropene | <10 | 10 |
| 10061-02-6 | trans-1,3-Dichloropropene | <10 | 10 |
| 100-41-4 | Ethylbenzene | <10 | 10 |
| 60-29-7 | Ethyl Ether | <50 | 50 |
| 591-78-6 | 2-Hexanone | <50 | 50 |
| 74-88-4 | Iodomethane | <10 | 10 |
| 98-82-8 | Isopropylbenzene | <10 | 10 |
| 99-87-6 | 4-Isopropyltoluene | <50 | 50 |
| 1634-04-4 | Methyl tert-Butyl Ether | <50 | 50 |
| 75-09-2 | Methylene Chloride | <50 | 50 |
| 78-93-3 | 2-Butanone (MEK) | <50 | 50 |
| 91-57-6 | 2-Methylnaphthalene | <50 | 50 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <50 | 50 |
| 91-20-3 | Naphthalene | <50 | 50 |
| 103-65-1 | n-Propylbenzene | <10 | 10 |
| 100-42-5 | Styrene | <10 | 10 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <10 | 10 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <10 | 10 |
| 127-18-4 | Tetrachloroethene | <10 | 10 |
| 109-99-9 | Tetrahydrofuran | <50 | 50 |
| 108-88-3 | Toluene | <10 | 10 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <50 | 50 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <50 | 50 |
| 71-55-6 | 1,1,1-Trichloroethane | 260 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | <10 | 10 |
| 79-01-6 | Trichloroethene | 1600 | 10 |
| 75-69-4 | Trichlorofluoromethane | <10 | 10 |
| 96-18-4 | 1,2,3-Trichloropropane | <10 | 10 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <10 | 10 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <10 | 10 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-51 (13-15') | Sampled: 02/23/11 11:35 |
| Lab Sample ID: 1102286-20 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 10 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|----|
| 75-01-4 | Vinyl Chloride | <10 | 10 |
| 136777-61-2 | Xylene, Meta + Para | <20 | 20 |
| 95-47-6 | Xylene, Ortho | <10 | 10 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 98 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 90 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 96 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (7-9')**
 Lab Sample ID: **1102286-21**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 13:37
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <100 | 100 |
| 107-13-1 | Acrylonitrile | <10 | 10 |
| 71-43-2 | Benzene | <5.0 | 5.0 |
| 108-86-1 | Bromobenzene | <5.0 | 5.0 |
| 74-97-5 | Bromochloromethane | <5.0 | 5.0 |
| 75-27-4 | Bromodichloromethane | <5.0 | 5.0 |
| *75-25-2 | Bromoform | <5.0 | 5.0 |
| 74-83-9 | Bromomethane | <25 | 25 |
| 104-51-8 | n-Butylbenzene | <5.0 | 5.0 |
| 135-98-8 | sec-Butylbenzene | <5.0 | 5.0 |
| 98-06-6 | tert-Butylbenzene | <5.0 | 5.0 |
| 75-15-0 | Carbon Disulfide | <5.0 | 5.0 |
| 56-23-5 | Carbon Tetrachloride | <5.0 | 5.0 |
| 108-90-7 | Chlorobenzene | <5.0 | 5.0 |
| 75-00-3 | Chloroethane | <25 | 25 |
| 67-66-3 | Chloroform | <5.0 | 5.0 |
| 74-87-3 | Chloromethane | <25 | 25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <25 | 25 |
| 124-48-1 | Dibromochloromethane | <5.0 | 5.0 |
| 106-93-4 | 1,2-Dibromoethane | <5.0 | 5.0 |
| 74-95-3 | Dibromomethane | <5.0 | 5.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <5.0 | 5.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <5.0 | 5.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <5.0 | 5.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <5.0 | 5.0 |
| 75-71-8 | Dichlorodifluoromethane | <25 | 25 |
| 75-34-3 | 1,1-Dichloroethane | <5.0 | 5.0 |
| 107-06-2 | 1,2-Dichloroethane | <5.0 | 5.0 |
| 75-35-4 | 1,1-Dichloroethene | <5.0 | 5.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 13 | 5.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <5.0 | 5.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (7-9')**
 Lab Sample ID: **1102286-21**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 13:37
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <5.0 | 5.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <5.0 | 5.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <5.0 | 5.0 |
| 100-41-4 | Ethylbenzene | <5.0 | 5.0 |
| 60-29-7 | Ethyl Ether | <25 | 25 |
| 591-78-6 | 2-Hexanone | <25 | 25 |
| 74-88-4 | Iodomethane | <5.0 | 5.0 |
| 98-82-8 | Isopropylbenzene | <5.0 | 5.0 |
| 99-87-6 | 4-Isopropyltoluene | <25 | 25 |
| 1634-04-4 | Methyl tert-Butyl Ether | <25 | 25 |
| 75-09-2 | Methylene Chloride | <25 | 25 |
| 78-93-3 | 2-Butanone (MEK) | <25 | 25 |
| 91-57-6 | 2-Methylnaphthalene | <25 | 25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <25 | 25 |
| 91-20-3 | Naphthalene | <25 | 25 |
| 103-65-1 | n-Propylbenzene | <5.0 | 5.0 |
| 100-42-5 | Styrene | <5.0 | 5.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <5.0 | 5.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <5.0 | 5.0 |
| 127-18-4 | Tetrachloroethene | <5.0 | 5.0 |
| 109-99-9 | Tetrahydrofuran | <25 | 25 |
| 108-88-3 | Toluene | <5.0 | 5.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <25 | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <25 | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | 25 | 5.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <5.0 | 5.0 |
| 79-01-6 | Trichloroethene | 580 | 5.0 |
| 75-69-4 | Trichlorofluoromethane | <5.0 | 5.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <5.0 | 5.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <5.0 | 5.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <5.0 | 5.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-51 (7-9')**
 Lab Sample ID: **1102286-21**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 13:37
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <5.0 | 5.0 |
| 136777-61-2 | Xylene, Meta + Para | <10 | 10 |
| 95-47-6 | Xylene, Ortho | <5.0 | 5.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 97 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 90 | 87-123 |
| | <i>Toluene-d8</i> | 96 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 96 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (20-22')**
 Lab Sample ID: **1102286-22**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <100 | 100 |
| 107-13-1 | Acrylonitrile | <10 | 10 |
| 71-43-2 | Benzene | <5.0 | 5.0 |
| 108-86-1 | Bromobenzene | <5.0 | 5.0 |
| 74-97-5 | Bromochloromethane | <5.0 | 5.0 |
| 75-27-4 | Bromodichloromethane | <5.0 | 5.0 |
| *75-25-2 | Bromoform | <5.0 | 5.0 |
| 74-83-9 | Bromomethane | <25 | 25 |
| 104-51-8 | n-Butylbenzene | <5.0 | 5.0 |
| 135-98-8 | sec-Butylbenzene | <5.0 | 5.0 |
| 98-06-6 | tert-Butylbenzene | <5.0 | 5.0 |
| 75-15-0 | Carbon Disulfide | <5.0 | 5.0 |
| 56-23-5 | Carbon Tetrachloride | <5.0 | 5.0 |
| 108-90-7 | Chlorobenzene | <5.0 | 5.0 |
| 75-00-3 | Chloroethane | <25 | 25 |
| 67-66-3 | Chloroform | <5.0 | 5.0 |
| 74-87-3 | Chloromethane | <25 | 25 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <25 | 25 |
| 124-48-1 | Dibromochloromethane | <5.0 | 5.0 |
| 106-93-4 | 1,2-Dibromoethane | <5.0 | 5.0 |
| 74-95-3 | Dibromomethane | <5.0 | 5.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <5.0 | 5.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <5.0 | 5.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <5.0 | 5.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <5.0 | 5.0 |
| 75-71-8 | Dichlorodifluoromethane | <25 | 25 |
| 75-34-3 | 1,1-Dichloroethane | <5.0 | 5.0 |
| 107-06-2 | 1,2-Dichloroethane | <5.0 | 5.0 |
| 75-35-4 | 1,1-Dichloroethene | <5.0 | 5.0 |
| 156-59-2 | cis-1,2-Dichloroethene | 140 | 5.0 |
| 156-60-5 | trans-1,2-Dichloroethene | 16 | 5.0 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (20-22')**
 Lab Sample ID: **1102286-22**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <5.0 | 5.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <5.0 | 5.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <5.0 | 5.0 |
| 100-41-4 | Ethylbenzene | <5.0 | 5.0 |
| 60-29-7 | Ethyl Ether | <25 | 25 |
| 591-78-6 | 2-Hexanone | <25 | 25 |
| 74-88-4 | Iodomethane | <5.0 | 5.0 |
| 98-82-8 | Isopropylbenzene | <5.0 | 5.0 |
| 99-87-6 | 4-Isopropyltoluene | <25 | 25 |
| 1634-04-4 | Methyl tert-Butyl Ether | <25 | 25 |
| 75-09-2 | Methylene Chloride | <25 | 25 |
| 78-93-3 | 2-Butanone (MEK) | <25 | 25 |
| 91-57-6 | 2-Methylnaphthalene | <25 | 25 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <25 | 25 |
| 91-20-3 | Naphthalene | <25 | 25 |
| 103-65-1 | n-Propylbenzene | <5.0 | 5.0 |
| 100-42-5 | Styrene | <5.0 | 5.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <5.0 | 5.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <5.0 | 5.0 |
| 127-18-4 | Tetrachloroethene | <5.0 | 5.0 |
| 109-99-9 | Tetrahydrofuran | <25 | 25 |
| 108-88-3 | Toluene | <5.0 | 5.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <25 | 25 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <25 | 25 |
| 71-55-6 | 1,1,1-Trichloroethane | <5.0 | 5.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <5.0 | 5.0 |
| 79-01-6 | Trichloroethene | 440 | 5.0 |
| 75-69-4 | Trichlorofluoromethane | <5.0 | 5.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <5.0 | 5.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <5.0 | 5.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <5.0 | 5.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (20-22')**
 Lab Sample ID: **1102286-22**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 5
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 11:28
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <5.0 | 5.0 |
| 136777-61-2 | Xylene, Meta + Para | <10 | 10 |
| 95-47-6 | Xylene, Ortho | <5.0 | 5.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 94 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 92 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 97 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (13-15')**
 Lab Sample ID: **1102286-23**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:29
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <200 | 200 |
| 107-13-1 | Acrylonitrile | <20 | 20 |
| 71-43-2 | Benzene | <10 | 10 |
| 108-86-1 | Bromobenzene | <10 | 10 |
| 74-97-5 | Bromochloromethane | <10 | 10 |
| 75-27-4 | Bromodichloromethane | <10 | 10 |
| *75-25-2 | Bromoform | <10 | 10 |
| 74-83-9 | Bromomethane | <50 | 50 |
| 104-51-8 | n-Butylbenzene | <10 | 10 |
| 135-98-8 | sec-Butylbenzene | <10 | 10 |
| 98-06-6 | tert-Butylbenzene | <10 | 10 |
| 75-15-0 | Carbon Disulfide | <10 | 10 |
| 56-23-5 | Carbon Tetrachloride | <10 | 10 |
| 108-90-7 | Chlorobenzene | <10 | 10 |
| 75-00-3 | Chloroethane | <50 | 50 |
| 67-66-3 | Chloroform | <10 | 10 |
| 74-87-3 | Chloromethane | <50 | 50 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <50 | 50 |
| 124-48-1 | Dibromochloromethane | <10 | 10 |
| 106-93-4 | 1,2-Dibromoethane | <10 | 10 |
| 74-95-3 | Dibromomethane | <10 | 10 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <10 | 10 |
| 95-50-1 | 1,2-Dichlorobenzene | <10 | 10 |
| 541-73-1 | 1,3-Dichlorobenzene | <10 | 10 |
| 106-46-7 | 1,4-Dichlorobenzene | <10 | 10 |
| 75-71-8 | Dichlorodifluoromethane | <50 | 50 |
| 75-34-3 | 1,1-Dichloroethane | 57 | 10 |
| 107-06-2 | 1,2-Dichloroethane | <10 | 10 |
| 75-35-4 | 1,1-Dichloroethene | <10 | 10 |
| 156-59-2 | cis-1,2-Dichloroethene | 71 | 10 |
| 156-60-5 | trans-1,2-Dichloroethene | <10 | 10 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (13-15')**
 Lab Sample ID: **1102286-23**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:29
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|----|
| 78-87-5 | 1,2-Dichloropropane | <10 | 10 |
| 10061-01-5 | cis-1,3-Dichloropropene | <10 | 10 |
| 10061-02-6 | trans-1,3-Dichloropropene | <10 | 10 |
| 100-41-4 | Ethylbenzene | 430 | 10 |
| 60-29-7 | Ethyl Ether | <50 | 50 |
| 591-78-6 | 2-Hexanone | <50 | 50 |
| 74-88-4 | Iodomethane | <10 | 10 |
| 98-82-8 | Isopropylbenzene | <10 | 10 |
| 99-87-6 | 4-Isopropyltoluene | <50 | 50 |
| 1634-04-4 | Methyl tert-Butyl Ether | <50 | 50 |
| 75-09-2 | Methylene Chloride | <50 | 50 |
| 78-93-3 | 2-Butanone (MEK) | <50 | 50 |
| 91-57-6 | 2-Methylnaphthalene | <50 | 50 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <50 | 50 |
| 91-20-3 | Naphthalene | <50 | 50 |
| 103-65-1 | n-Propylbenzene | <10 | 10 |
| 100-42-5 | Styrene | <10 | 10 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <10 | 10 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <10 | 10 |
| 127-18-4 | Tetrachloroethene | <10 | 10 |
| 109-99-9 | Tetrahydrofuran | <50 | 50 |
| 108-88-3 | Toluene | 120 | 10 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <50 | 50 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <50 | 50 |
| 71-55-6 | 1,1,1-Trichloroethane | <10 | 10 |
| 79-00-5 | 1,1,2-Trichloroethane | <10 | 10 |
| 79-01-6 | Trichloroethene | 30 | 10 |
| 75-69-4 | Trichlorofluoromethane | <10 | 10 |
| 96-18-4 | 1,2,3-Trichloropropane | <10 | 10 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <10 | 10 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <10 | 10 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (13-15')**
 Lab Sample ID: **1102286-23**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 10
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 12:29
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | 270 | 10 |
| 136777-61-2 | Xylene, Meta + Para | 1300 | 20 |
| 95-47-6 | Xylene, Ortho | 26 | 10 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 97 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 92 | 87-123 |
| | <i>Toluene-d8</i> | 98 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 98 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (7-9')**
 Lab Sample ID: **1102286-24**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 500
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 13:19
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-------|
| 67-64-1 | Acetone | <10000 | 10000 |
| 107-13-1 | Acrylonitrile | <1000 | 1000 |
| 71-43-2 | Benzene | <500 | 500 |
| 108-86-1 | Bromobenzene | <500 | 500 |
| 74-97-5 | Bromochloromethane | <500 | 500 |
| 75-27-4 | Bromodichloromethane | <500 | 500 |
| *75-25-2 | Bromoform | <500 | 500 |
| 74-83-9 | Bromomethane | <2500 | 2500 |
| 104-51-8 | n-Butylbenzene | <500 | 500 |
| 135-98-8 | sec-Butylbenzene | <500 | 500 |
| 98-06-6 | tert-Butylbenzene | <500 | 500 |
| 75-15-0 | Carbon Disulfide | <500 | 500 |
| 56-23-5 | Carbon Tetrachloride | <500 | 500 |
| 108-90-7 | Chlorobenzene | <500 | 500 |
| 75-00-3 | Chloroethane | <2500 | 2500 |
| 67-66-3 | Chloroform | <500 | 500 |
| 74-87-3 | Chloromethane | <2500 | 2500 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <2500 | 2500 |
| 124-48-1 | Dibromochloromethane | <500 | 500 |
| 106-93-4 | 1,2-Dibromoethane | <500 | 500 |
| 74-95-3 | Dibromomethane | <500 | 500 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <500 | 500 |
| 95-50-1 | 1,2-Dichlorobenzene | <500 | 500 |
| 541-73-1 | 1,3-Dichlorobenzene | <500 | 500 |
| 106-46-7 | 1,4-Dichlorobenzene | <500 | 500 |
| 75-71-8 | Dichlorodifluoromethane | <2500 | 2500 |
| 75-34-3 | 1,1-Dichloroethane | 930 | 500 |
| 107-06-2 | 1,2-Dichloroethane | <500 | 500 |
| 75-35-4 | 1,1-Dichloroethene | <500 | 500 |
| 156-59-2 | cis-1,2-Dichloroethene | 520 | 500 |
| 156-60-5 | trans-1,2-Dichloroethene | <500 | 500 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-52 (7-9')**
 Lab Sample ID: **1102286-24**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 500
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 13:19
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|------|
| 78-87-5 | 1,2-Dichloropropane | <500 | 500 |
| 10061-01-5 | cis-1,3-Dichloropropene | <500 | 500 |
| 10061-02-6 | trans-1,3-Dichloropropene | <500 | 500 |
| 100-41-4 | Ethylbenzene | 4400 | 500 |
| 60-29-7 | Ethyl Ether | <2500 | 2500 |
| 591-78-6 | 2-Hexanone | <2500 | 2500 |
| 74-88-4 | Iodomethane | <500 | 500 |
| 98-82-8 | Isopropylbenzene | <500 | 500 |
| 99-87-6 | 4-Isopropyltoluene | <2500 | 2500 |
| 1634-04-4 | Methyl tert-Butyl Ether | <2500 | 2500 |
| 75-09-2 | Methylene Chloride | <2500 | 2500 |
| 78-93-3 | 2-Butanone (MEK) | <2500 | 2500 |
| 91-57-6 | 2-Methylnaphthalene | <2500 | 2500 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <2500 | 2500 |
| 91-20-3 | Naphthalene | <2500 | 2500 |
| 103-65-1 | n-Propylbenzene | <500 | 500 |
| 100-42-5 | Styrene | <500 | 500 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <500 | 500 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <500 | 500 |
| 127-18-4 | Tetrachloroethene | <500 | 500 |
| 109-99-9 | Tetrahydrofuran | <2500 | 2500 |
| 108-88-3 | Toluene | 85000 | 500 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <2500 | 2500 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <2500 | 2500 |
| 71-55-6 | 1,1,1-Trichloroethane | 2900 | 500 |
| 79-00-5 | 1,1,2-Trichloroethane | <500 | 500 |
| 79-01-6 | Trichloroethene | 2900 | 500 |
| 75-69-4 | Trichlorofluoromethane | <500 | 500 |
| 96-18-4 | 1,2,3-Trichloropropane | <500 | 500 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <500 | 500 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <500 | 500 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: B-52 (7-9') | Sampled: 02/23/11 13:19 |
| Lab Sample ID: 1102286-24 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/02/11 By: DLV |
| Dilution Factor: 500 | Analyzed: 03/02/11 By: DLV |
| QC Batch: 1101538 | Analytical Batch: 1C03010 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------------------------|---------------------|-----------------------|------|
| 75-01-4 | Vinyl Chloride | <500 | 500 |
| 136777-61-2 | Xylene, Meta + Para | 27000 | 1000 |
| 95-47-6 | Xylene, Ortho | 16000 | 500 |
| Surrogates: | | | |
| | % Recovery | Control Limits | |
| <i>Dibromofluoromethane</i> | 99 | <i>88-116</i> | |
| <i>1,2-Dichloroethane-d4</i> | 91 | <i>87-123</i> | |
| <i>Toluene-d8</i> | 99 | <i>91-107</i> | |
| <i>4-Bromofluorobenzene</i> | 97 | <i>84-106</i> | |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (24-26')**
 Lab Sample ID: **1102286-25**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 14:58
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (24-26')**
 Lab Sample ID: **1102286-25**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 14:58
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (24-26')**
 Lab Sample ID: **1102286-25**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 14:58
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|-------------|---------------------|-------------------|-----|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |

| <i>Surrogates:</i> | <i>% Recovery</i> | <i>Control Limits</i> |
|------------------------------|-------------------|-----------------------|
| <i>Dibromofluoromethane</i> | 96 | <i>88-116</i> |
| <i>1,2-Dichloroethane-d4</i> | 92 | <i>87-123</i> |
| <i>Toluene-d8</i> | 95 | <i>91-107</i> |
| <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (18-20')**
 Lab Sample ID: **1102286-26**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:41
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (18-20')**
 Lab Sample ID: **1102286-26**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:41
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | 120 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-53 (18-20')**
 Lab Sample ID: **1102286-26**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:41
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 96 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 91 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 98 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **Dup-02**
 Lab Sample ID: **1102286-27**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **Dup-02**
 Lab Sample ID: **1102286-27**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | 1.3 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **Dup-02**
 Lab Sample ID: **1102286-27**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | 7.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 98 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 92 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 96 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (26-28')**
 Lab Sample ID: **1102286-28**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:47
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (26-28')**
 Lab Sample ID: **1102286-28**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:47
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (26-28')**
 Lab Sample ID: **1102286-28**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 15:47
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 96 | 88-116 |
| | <i>1,2-Dichloroethane-d4</i> | 92 | 87-123 |
| | <i>Toluene-d8</i> | 97 | 91-107 |
| | <i>4-Bromofluorobenzene</i> | 95 | 84-106 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (18-20')**
 Lab Sample ID: **1102286-29**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 16:24
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| *75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

Continued on next page

*See Statement of Data Qualifications

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (18-20')**
 Lab Sample ID: **1102286-29**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 16:24
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | 1.2 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **B-54 (18-20')**
 Lab Sample ID: **1102286-29**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101538

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/23/11 16:24
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/02/11 By: DLV
 Analyzed: 03/02/11 By: DLV
 Analytical Batch: 1C03010

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 98 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 91 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 97 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **TB-01**
 Lab Sample ID: **1102286-30**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/24/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/01/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C03007

Volatile Organic Compounds by EPA Method 8260B

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 67-64-1 | Acetone | <20 | 20 |
| 107-13-1 | Acrylonitrile | <2.0 | 2.0 |
| 71-43-2 | Benzene | <1.0 | 1.0 |
| 108-86-1 | Bromobenzene | <1.0 | 1.0 |
| 74-97-5 | Bromochloromethane | <1.0 | 1.0 |
| 75-27-4 | Bromodichloromethane | <1.0 | 1.0 |
| 75-25-2 | Bromoform | <1.0 | 1.0 |
| 74-83-9 | Bromomethane | <5.0 | 5.0 |
| 104-51-8 | n-Butylbenzene | <1.0 | 1.0 |
| 135-98-8 | sec-Butylbenzene | <1.0 | 1.0 |
| 98-06-6 | tert-Butylbenzene | <1.0 | 1.0 |
| 75-15-0 | Carbon Disulfide | <1.0 | 1.0 |
| 56-23-5 | Carbon Tetrachloride | <1.0 | 1.0 |
| 108-90-7 | Chlorobenzene | <1.0 | 1.0 |
| 75-00-3 | Chloroethane | <5.0 | 5.0 |
| 67-66-3 | Chloroform | <1.0 | 1.0 |
| 74-87-3 | Chloromethane | <5.0 | 5.0 |
| 96-12-8 | 1,2-Dibromo-3-chloropropane | <5.0 | 5.0 |
| 124-48-1 | Dibromochloromethane | <1.0 | 1.0 |
| 106-93-4 | 1,2-Dibromoethane | <1.0 | 1.0 |
| 74-95-3 | Dibromomethane | <1.0 | 1.0 |
| 110-57-6 | trans-1,4-Dichloro-2-butene | <1.0 | 1.0 |
| 95-50-1 | 1,2-Dichlorobenzene | <1.0 | 1.0 |
| 541-73-1 | 1,3-Dichlorobenzene | <1.0 | 1.0 |
| 106-46-7 | 1,4-Dichlorobenzene | <1.0 | 1.0 |
| 75-71-8 | Dichlorodifluoromethane | <5.0 | 5.0 |
| 75-34-3 | 1,1-Dichloroethane | <1.0 | 1.0 |
| 107-06-2 | 1,2-Dichloroethane | <1.0 | 1.0 |
| 75-35-4 | 1,1-Dichloroethene | <1.0 | 1.0 |
| 156-59-2 | cis-1,2-Dichloroethene | <1.0 | 1.0 |
| 156-60-5 | trans-1,2-Dichloroethene | <1.0 | 1.0 |

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ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products - Investigation
 Client Sample ID: **TB-01**
 Lab Sample ID: **1102286-30**
 Matrix: Water
 Unit: ug/L
 Dilution Factor: 1
 QC Batch: 1101464

Work Order: **1102286**
 Description: Laboratory Services
 Sampled: 02/24/11 00:00
 Sampled By: S. Metz
 Received: 02/25/11 09:00
 Prepared: 03/01/11 By: DLV
 Analyzed: 03/01/11 By: DLV
 Analytical Batch: 1C03007

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|------------|-----------------------------|-------------------|-----|
| 78-87-5 | 1,2-Dichloropropane | <1.0 | 1.0 |
| 10061-01-5 | cis-1,3-Dichloropropene | <1.0 | 1.0 |
| 10061-02-6 | trans-1,3-Dichloropropene | <1.0 | 1.0 |
| 100-41-4 | Ethylbenzene | <1.0 | 1.0 |
| 60-29-7 | Ethyl Ether | <5.0 | 5.0 |
| 591-78-6 | 2-Hexanone | <5.0 | 5.0 |
| 74-88-4 | Iodomethane | <1.0 | 1.0 |
| 98-82-8 | Isopropylbenzene | <1.0 | 1.0 |
| 99-87-6 | 4-Isopropyltoluene | <5.0 | 5.0 |
| 1634-04-4 | Methyl tert-Butyl Ether | <5.0 | 5.0 |
| 75-09-2 | Methylene Chloride | <5.0 | 5.0 |
| 78-93-3 | 2-Butanone (MEK) | <5.0 | 5.0 |
| 91-57-6 | 2-Methylnaphthalene | <5.0 | 5.0 |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK) | <5.0 | 5.0 |
| 91-20-3 | Naphthalene | <5.0 | 5.0 |
| 103-65-1 | n-Propylbenzene | <1.0 | 1.0 |
| 100-42-5 | Styrene | <1.0 | 1.0 |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | <1.0 | 1.0 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | <1.0 | 1.0 |
| 127-18-4 | Tetrachloroethene | <1.0 | 1.0 |
| 109-99-9 | Tetrahydrofuran | <5.0 | 5.0 |
| 108-88-3 | Toluene | <1.0 | 1.0 |
| 87-61-6 | 1,2,3-Trichlorobenzene | <5.0 | 5.0 |
| 120-82-1 | 1,2,4-Trichlorobenzene | <5.0 | 5.0 |
| 71-55-6 | 1,1,1-Trichloroethane | <1.0 | 1.0 |
| 79-00-5 | 1,1,2-Trichloroethane | <1.0 | 1.0 |
| 79-01-6 | Trichloroethene | <1.0 | 1.0 |
| 75-69-4 | Trichlorofluoromethane | <1.0 | 1.0 |
| 96-18-4 | 1,2,3-Trichloropropane | <1.0 | 1.0 |
| 95-63-6 | 1,2,4-Trimethylbenzene | <1.0 | 1.0 |
| 108-67-8 | 1,3,5-Trimethylbenzene | <1.0 | 1.0 |

Continued on next page

ANALYTICAL REPORT

| | |
|---|----------------------------------|
| Client: RMT, Inc. - Ann Arbor Office | Work Order: 1102286 |
| Project: Tecumseh Products - Investigation | Description: Laboratory Services |
| Client Sample ID: TB-01 | Sampled: 02/24/11 00:00 |
| Lab Sample ID: 1102286-30 | Sampled By: S. Metz |
| Matrix: Water | Received: 02/25/11 09:00 |
| Unit: ug/L | Prepared: 03/01/11 By: DLV |
| Dilution Factor: 1 | Analyzed: 03/01/11 By: DLV |
| QC Batch: 1101464 | Analytical Batch: 1C03007 |

Volatile Organic Compounds by EPA Method 8260B (Continued)

| CAS Number | Analyte | Analytical Result | RL |
|--------------------|------------------------------|-------------------|-----------------------|
| 75-01-4 | Vinyl Chloride | <1.0 | 1.0 |
| 136777-61-2 | Xylene, Meta + Para | <2.0 | 2.0 |
| 95-47-6 | Xylene, Ortho | <1.0 | 1.0 |
| Surrogates: | | % Recovery | Control Limits |
| | <i>Dibromofluoromethane</i> | 102 | <i>88-116</i> |
| | <i>1,2-Dichloroethane-d4</i> | 104 | <i>87-123</i> |
| | <i>Toluene-d8</i> | 96 | <i>91-107</i> |
| | <i>4-Bromofluorobenzene</i> | 96 | <i>84-106</i> |

QUALITY CONTROL REPORT
Volatile Organic Compounds by EPA Method 8260B

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 5030B Aqueous Purge & Trap/USEPA-8260B

| Method Blank | Analyzed: | 02/28/2011 | By: DLV |
|-----------------------------|-------------------|------------|---------|
| Unit: ug/L | Analytical Batch: | 1C01003 | |
| Acetone | <20 | -- | 20 |
| Acrylonitrile | <2.0 | | 2.0 |
| Benzene | <1.0 | | 1.0 |
| Bromobenzene | <1.0 | -- | 1.0 |
| Bromochloromethane | <1.0 | | 1.0 |
| Bromodichloromethane | <1.0 | | 1.0 |
| Bromoform | <1.0 | | 1.0 |
| Bromomethane | <5.0 | | 5.0 |
| n-Butylbenzene | <1.0 | | 1.0 |
| sec-Butylbenzene | <1.0 | | 1.0 |
| tert-Butylbenzene | <1.0 | | 1.0 |
| Carbon Disulfide | <1.0 | -- | 1.0 |
| Carbon Tetrachloride | <1.0 | | 1.0 |
| Chlorobenzene | <1.0 | -- | 1.0 |
| Chloroethane | <5.0 | | 5.0 |
| Chloroform | <1.0 | | 1.0 |
| Chloromethane | <5.0 | | 5.0 |
| 1,2-Dibromo-3-chloropropane | <5.0 | | 5.0 |
| Dibromochloromethane | <1.0 | | 1.0 |
| 1,2-Dibromoethane | <1.0 | | 1.0 |
| Dibromomethane | <1.0 | | 1.0 |
| trans-1,4-Dichloro-2-butene | <1.0 | | 1.0 |
| 1,2-Dichlorobenzene | <1.0 | | 1.0 |
| 1,3-Dichlorobenzene | <1.0 | -- | 1.0 |
| 1,4-Dichlorobenzene | <1.0 | -- | 1.0 |
| Dichlorodifluoromethane | <5.0 | | 5.0 |
| 1,1-Dichloroethane | <1.0 | | 1.0 |
| 1,2-Dichloroethane | <1.0 | | 1.0 |
| 1,1-Dichloroethene | <1.0 | | 1.0 |
| cis-1,2-Dichloroethene | <1.0 | | 1.0 |
| trans-1,2-Dichloroethene | <1.0 | | 1.0 |
| 1,2-Dichloropropane | <1.0 | | 1.0 |
| cis-1,3-Dichloropropene | <1.0 | | 1.0 |
| trans-1,3-Dichloropropene | <1.0 | | 1.0 |
| Ethylbenzene | <1.0 | | 1.0 |
| Ethyl Ether | <5.0 | | 5.0 |

Continued on next page

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

| | | | |
|---------------------------------|-------------------|------------|---------|
| Method Blank (Continued) | Analyzed: | 02/28/2011 | By: DLV |
| Unit: ug/L | Analytical Batch: | 1C01003 | |

| | | | | | | | | |
|-----------------------------|--|--|------|--|--|----|--|-----|
| 2-Hexanone | | | <5.0 | | | | | 5.0 |
| Iodomethane | | | <1.0 | | | | | 1.0 |
| Isopropylbenzene | | | <1.0 | | | | | 1.0 |
| 4-Isopropyltoluene | | | <5.0 | | | | | 5.0 |
| Methyl tert-Butyl Ether | | | <5.0 | | | | | 5.0 |
| Methylene Chloride | | | <5.0 | | | -- | | 5.0 |
| 2-Butanone (MEK) | | | <5.0 | | | | | 5.0 |
| 2-Methylnaphthalene | | | <5.0 | | | -- | | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | | | <5.0 | | | | | 5.0 |
| Naphthalene | | | <5.0 | | | -- | | 5.0 |
| n-Propylbenzene | | | <1.0 | | | | | 1.0 |
| Styrene | | | <1.0 | | | | | 1.0 |
| 1,1,1,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,2,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| Tetrachloroethene | | | <1.0 | | | | | 1.0 |
| Tetrahydrofuran | | | <5.0 | | | | | 5.0 |
| Toluene | | | <1.0 | | | | | 1.0 |
| 1,2,3-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,2,4-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,1,1-Trichloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,2-Trichloroethane | | | <1.0 | | | | | 1.0 |
| Trichloroethene | | | <1.0 | | | | | 1.0 |
| Trichlorofluoromethane | | | <1.0 | | | | | 1.0 |
| 1,2,3-Trichloropropane | | | <1.0 | | | | | 1.0 |
| 1,2,4-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| 1,3,5-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| Vinyl Chloride | | | <1.0 | | | | | 1.0 |
| Xylene, Meta + Para | | | <2.0 | | | | | 2.0 |
| Xylene, Ortho | | | <1.0 | | | | | 1.0 |

Surrogates:

| | | |
|------------------------------|----|--------|
| <i>Dibromofluoromethane</i> | 98 | 88-116 |
| <i>1,2-Dichloroethane-d4</i> | 98 | 87-123 |
| <i>Toluene-d8</i> | 98 | 91-107 |
| <i>4-Bromofluorobenzene</i> | 97 | 84-106 |

| | | | |
|---------------------|-------------------|------------|---------|
| Method Blank | Analyzed: | 03/01/2011 | By: DLV |
| Unit: ug/L | Analytical Batch: | 1C03007 | |

| | | | | | | | | |
|---------|--|--|-----|--|--|----|--|----|
| Acetone | | | <20 | | | -- | | 20 |
|---------|--|--|-----|--|--|----|--|----|

Continued on next page

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued)

Analyzed: 03/01/2011 By: DLV
 Analytical Batch: 1C03007

Unit: ug/L

| | | | | | | | | |
|-----------------------------|--|--|------|--|--|----|--|-----|
| Acrylonitrile | | | <2.0 | | | | | 2.0 |
| Benzene | | | <1.0 | | | | | 1.0 |
| Bromobenzene | | | <1.0 | | | -- | | 1.0 |
| Bromochloromethane | | | <1.0 | | | | | 1.0 |
| Bromodichloromethane | | | <1.0 | | | | | 1.0 |
| Bromoform | | | <1.0 | | | | | 1.0 |
| Bromomethane | | | <5.0 | | | | | 5.0 |
| n-Butylbenzene | | | <1.0 | | | | | 1.0 |
| sec-Butylbenzene | | | <1.0 | | | | | 1.0 |
| tert-Butylbenzene | | | <1.0 | | | | | 1.0 |
| Carbon Disulfide | | | <1.0 | | | -- | | 1.0 |
| Carbon Tetrachloride | | | <1.0 | | | | | 1.0 |
| Chlorobenzene | | | <1.0 | | | | | 1.0 |
| Chloroethane | | | <5.0 | | | | | 5.0 |
| Chloroform | | | <1.0 | | | | | 1.0 |
| Chloromethane | | | <5.0 | | | | | 5.0 |
| 1,2-Dibromo-3-chloropropane | | | <5.0 | | | | | 5.0 |
| Dibromochloromethane | | | <1.0 | | | | | 1.0 |
| 1,2-Dibromoethane | | | <1.0 | | | | | 1.0 |
| Dibromomethane | | | <1.0 | | | | | 1.0 |
| trans-1,4-Dichloro-2-butene | | | <1.0 | | | | | 1.0 |
| 1,2-Dichlorobenzene | | | <1.0 | | | | | 1.0 |
| 1,3-Dichlorobenzene | | | <1.0 | | | -- | | 1.0 |
| 1,4-Dichlorobenzene | | | <1.0 | | | -- | | 1.0 |
| Dichlorodifluoromethane | | | <5.0 | | | | | 5.0 |
| 1,1-Dichloroethane | | | <1.0 | | | | | 1.0 |
| 1,2-Dichloroethane | | | <1.0 | | | | | 1.0 |
| 1,1-Dichloroethene | | | <1.0 | | | | | 1.0 |
| cis-1,2-Dichloroethene | | | <1.0 | | | | | 1.0 |
| trans-1,2-Dichloroethene | | | <1.0 | | | | | 1.0 |
| 1,2-Dichloropropane | | | <1.0 | | | | | 1.0 |
| cis-1,3-Dichloropropene | | | <1.0 | | | | | 1.0 |
| trans-1,3-Dichloropropene | | | <1.0 | | | | | 1.0 |
| Ethylbenzene | | | <1.0 | | | | | 1.0 |
| Ethyl Ether | | | <5.0 | | | | | 5.0 |
| 2-Hexanone | | | <5.0 | | | | | 5.0 |

Continued on next page

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued)

Analyzed: 03/01/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C03007

| | | | | | | | | |
|-----------------------------|--|--|------|--|--|----|--|-----|
| Iodomethane | | | <1.0 | | | | | 1.0 |
| Isopropylbenzene | | | <1.0 | | | | | 1.0 |
| 4-Isopropyltoluene | | | <5.0 | | | | | 5.0 |
| Methyl tert-Butyl Ether | | | <5.0 | | | | | 5.0 |
| Methylene Chloride | | | <5.0 | | | -- | | 5.0 |
| 2-Butanone (MEK) | | | <5.0 | | | | | 5.0 |
| 2-Methylnaphthalene | | | <5.0 | | | -- | | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | | | <5.0 | | | | | 5.0 |
| Naphthalene | | | <5.0 | | | -- | | 5.0 |
| n-Propylbenzene | | | <1.0 | | | | | 1.0 |
| Styrene | | | <1.0 | | | | | 1.0 |
| 1,1,1,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,1,2,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| Tetrachloroethene | | | <1.0 | | | | | 1.0 |
| Tetrahydrofuran | | | <5.0 | | | | | 5.0 |
| Toluene | | | <1.0 | | | | | 1.0 |
| 1,2,3-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,2,4-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,1,1-Trichloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,2-Trichloroethane | | | <1.0 | | | | | 1.0 |
| Trichloroethene | | | <1.0 | | | -- | | 1.0 |
| Trichlorofluoromethane | | | <1.0 | | | | | 1.0 |
| 1,2,3-Trichloropropane | | | <1.0 | | | | | 1.0 |
| 1,2,4-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| 1,3,5-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| Vinyl Chloride | | | <1.0 | | | | | 1.0 |
| Xylene, Meta + Para | | | <2.0 | | | | | 2.0 |
| Xylene, Ortho | | | <1.0 | | | | | 1.0 |

Surrogates:

| | | |
|------------------------------|-----|--------|
| <i>Dibromofluoromethane</i> | 99 | 88-116 |
| <i>1,2-Dichloroethane-d4</i> | 101 | 87-123 |
| <i>Toluene-d8</i> | 95 | 91-107 |
| <i>4-Bromofluorobenzene</i> | 99 | 84-106 |

Laboratory Control Sample

Analyzed: 02/28/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C01003

| | | | | | | | |
|---------|------|-------------|-----|--------|----|--|-----|
| Benzene | 40.0 | 40.1 | 100 | 84-119 | -- | | 1.0 |
|---------|------|-------------|-----|--------|----|--|-----|

Continued on next page

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

| Laboratory Control Sample (Continued) | | | | | Analyzed: | 02/28/2011 | By: DLV |
|--|--|--|--|--|-------------------|------------|---------|
| Unit: ug/L | | | | | Analytical Batch: | 1C01003 | |

| | | | | | | | |
|--------------------|--|------|-------------|-----|--------|----|-----|
| Chlorobenzene | | 40.0 | 39.6 | 99 | 84-118 | -- | 1.0 |
| 1,1-Dichloroethene | | 40.0 | 39.2 | 98 | 77-123 | -- | 1.0 |
| Toluene | | 40.0 | 40.1 | 100 | 85-118 | -- | 1.0 |
| Trichloroethene | | 40.0 | 39.8 | 100 | 82-119 | -- | 1.0 |

Surrogates:

| | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|
| <i>Dibromofluoromethane</i> | | | | 99 | 88-116 | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 99 | 87-123 | | |
| <i>Toluene-d8</i> | | | | 101 | 91-107 | | |
| <i>4-Bromofluorobenzene</i> | | | | 102 | 84-106 | | |

| Laboratory Control Sample | | | | | Analyzed: | 03/01/2011 | By: DLV |
|----------------------------------|--|--|--|--|-------------------|------------|---------|
| Unit: ug/L | | | | | Analytical Batch: | 1C03007 | |

| | | | | | | | |
|--------------------|--|------|-------------|-----|--------|----|-----|
| Benzene | | 40.0 | 43.5 | 109 | 84-119 | -- | 1.0 |
| Chlorobenzene | | 40.0 | 42.7 | 107 | 84-118 | -- | 1.0 |
| 1,1-Dichloroethene | | 40.0 | 42.7 | 107 | 77-123 | -- | 1.0 |
| Toluene | | 40.0 | 43.2 | 108 | 85-118 | -- | 1.0 |
| Trichloroethene | | 40.0 | 42.8 | 107 | 82-119 | -- | 1.0 |

Surrogates:

| | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|
| <i>Dibromofluoromethane</i> | | | | 99 | 88-116 | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 99 | 87-123 | | |
| <i>Toluene-d8</i> | | | | 100 | 91-107 | | |
| <i>4-Bromofluorobenzene</i> | | | | 102 | 84-106 | | |

| Matrix Spike 1102286-06 B-46 (8-10') | | | | | Analyzed: | 03/01/2011 | By: DLV |
|---|--|--|--|--|-------------------|------------|---------|
| Unit: ug/L | | | | | Analytical Batch: | 1C01003 | |

| | | | | | | | |
|--------------------|-------|------|-------------|-----|--------|----|-----|
| Benzene | <1.0 | 40.0 | 44.7 | 112 | 80-129 | -- | 1.0 |
| Chlorobenzene | <1.0 | 40.0 | 42.2 | 105 | 80-121 | -- | 1.0 |
| 1,1-Dichloroethene | <1.0 | 40.0 | 44.4 | 111 | 74-134 | -- | 1.0 |
| Toluene | 0.250 | 40.0 | 43.5 | 108 | 79-129 | -- | 1.0 |
| Trichloroethene | <1.0 | 40.0 | 45.2 | 113 | 75-127 | -- | 1.0 |

Surrogates:

| | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|
| <i>Dibromofluoromethane</i> | | | | 99 | 88-116 | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 100 | 87-123 | | |
| <i>Toluene-d8</i> | | | | 100 | 91-107 | | |
| <i>4-Bromofluorobenzene</i> | | | | 99 | 84-106 | | |

| Matrix Spike Duplicate 1102286-06 B-46 (8-10') | | | | | Analyzed: | 03/01/2011 | By: DLV |
|---|--|--|--|--|-------------------|------------|---------|
| Unit: ug/L | | | | | Analytical Batch: | 1C01003 | |

| | | | | | | | | |
|---------|------|------|-------------|-----|--------|---|---|-----|
| Benzene | <1.0 | 40.0 | 45.5 | 114 | 80-129 | 2 | 9 | 1.0 |
|---------|------|------|-------------|-----|--------|---|---|-----|

Continued on next page

QUALITY CONTROL REPORT
Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101464 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike Duplicate (Continued) 1102286-06 B-46 (8-10')

Analyzed: 03/01/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C01003

| | | | | | | | | |
|--------------------|-------|------|-------------|-----|--------|---|----|-----|
| Chlorobenzene | <1.0 | 40.0 | 44.9 | 112 | 80-121 | 6 | 8 | 1.0 |
| 1,1-Dichloroethene | <1.0 | 40.0 | 46.0 | 115 | 74-134 | 4 | 11 | 1.0 |
| Toluene | 0.250 | 40.0 | 45.4 | 113 | 79-129 | 4 | 9 | 1.0 |
| Trichloroethene | <1.0 | 40.0 | 45.8 | 115 | 75-127 | 1 | 10 | 1.0 |

Surrogates:

| | | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|--|
| <i>Dibromofluoromethane</i> | | | | 98 | 88-116 | | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 99 | 87-123 | | | |
| <i>Toluene-d8</i> | | | | 99 | 91-107 | | | |
| <i>4-Bromofluorobenzene</i> | | | | 101 | 84-106 | | | |

QC Batch: 1101538 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank

Analyzed: 03/02/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C03010

| | | | | | | | | |
|-----------------------------|------|--|--|--|--|----|--|-----|
| Acetone | <20 | | | | | -- | | 20 |
| Acrylonitrile | <2.0 | | | | | | | 2.0 |
| Benzene | <1.0 | | | | | | | 1.0 |
| Bromobenzene | <1.0 | | | | | | | 1.0 |
| Bromochloromethane | <1.0 | | | | | | | 1.0 |
| Bromodichloromethane | <1.0 | | | | | | | 1.0 |
| Bromoform | <1.0 | | | | | | | 1.0 |
| Bromomethane | <5.0 | | | | | | | 5.0 |
| n-Butylbenzene | <1.0 | | | | | | | 1.0 |
| sec-Butylbenzene | <1.0 | | | | | | | 1.0 |
| tert-Butylbenzene | <1.0 | | | | | | | 1.0 |
| Carbon Disulfide | <1.0 | | | | | -- | | 1.0 |
| Carbon Tetrachloride | <1.0 | | | | | | | 1.0 |
| Chlorobenzene | <1.0 | | | | | | | 1.0 |
| Chloroethane | <5.0 | | | | | | | 5.0 |
| Chloroform | <1.0 | | | | | | | 1.0 |
| Chloromethane | <5.0 | | | | | | | 5.0 |
| 1,2-Dibromo-3-chloropropane | <5.0 | | | | | | | 5.0 |
| Dibromochloromethane | <1.0 | | | | | | | 1.0 |
| 1,2-Dibromoethane | <1.0 | | | | | | | 1.0 |
| Dibromomethane | <1.0 | | | | | | | 1.0 |
| trans-1,4-Dichloro-2-butene | <1.0 | | | | | | | 1.0 |
| 1,2-Dichlorobenzene | <1.0 | | | | | | | 1.0 |

Continued on next page

QUALITY CONTROL REPORT
Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101538 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued)

Analyzed: 03/02/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C03010

| | | | | | | | | |
|-----------------------------|--|--|------|--|--|----|--|-----|
| 1,3-Dichlorobenzene | | | <1.0 | | | -- | | 1.0 |
| 1,4-Dichlorobenzene | | | <1.0 | | | -- | | 1.0 |
| Dichlorodifluoromethane | | | <5.0 | | | | | 5.0 |
| 1,1-Dichloroethane | | | <1.0 | | | | | 1.0 |
| 1,2-Dichloroethane | | | <1.0 | | | | | 1.0 |
| 1,1-Dichloroethene | | | <1.0 | | | | | 1.0 |
| cis-1,2-Dichloroethene | | | <1.0 | | | | | 1.0 |
| trans-1,2-Dichloroethene | | | <1.0 | | | | | 1.0 |
| 1,2-Dichloropropane | | | <1.0 | | | | | 1.0 |
| cis-1,3-Dichloropropene | | | <1.0 | | | | | 1.0 |
| trans-1,3-Dichloropropene | | | <1.0 | | | | | 1.0 |
| Ethylbenzene | | | <1.0 | | | -- | | 1.0 |
| Ethyl Ether | | | <5.0 | | | | | 5.0 |
| 2-Hexanone | | | <5.0 | | | | | 5.0 |
| Iodomethane | | | <1.0 | | | | | 1.0 |
| Isopropylbenzene | | | <1.0 | | | | | 1.0 |
| 4-Isopropyltoluene | | | <5.0 | | | | | 5.0 |
| Methyl tert-Butyl Ether | | | <5.0 | | | | | 5.0 |
| Methylene Chloride | | | <5.0 | | | | | 5.0 |
| 2-Butanone (MEK) | | | <5.0 | | | | | 5.0 |
| 2-Methylnaphthalene | | | <5.0 | | | -- | | 5.0 |
| 4-Methyl-2-pentanone (MIBK) | | | <5.0 | | | | | 5.0 |
| Naphthalene | | | <5.0 | | | -- | | 5.0 |
| n-Propylbenzene | | | <1.0 | | | | | 1.0 |
| Styrene | | | <1.0 | | | | | 1.0 |
| 1,1,1,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,1,2,2-Tetrachloroethane | | | <1.0 | | | | | 1.0 |
| Tetrachloroethene | | | <1.0 | | | | | 1.0 |
| Tetrahydrofuran | | | <5.0 | | | | | 5.0 |
| Toluene | | | <1.0 | | | -- | | 1.0 |
| 1,2,3-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,2,4-Trichlorobenzene | | | <5.0 | | | -- | | 5.0 |
| 1,1,1-Trichloroethane | | | <1.0 | | | | | 1.0 |
| 1,1,2-Trichloroethane | | | <1.0 | | | | | 1.0 |
| Trichloroethene | | | <1.0 | | | | | 1.0 |
| Trichlorofluoromethane | | | <1.0 | | | | | 1.0 |

Continued on next page

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101538 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued)

Unit: ug/L

Analyzed: 03/02/2011 By: DLV
 Analytical Batch: 1C03010

| | | | | | | | | |
|------------------------|--|--|------|--|--|----|--|-----|
| 1,2,3-Trichloropropane | | | <1.0 | | | | | 1.0 |
| 1,2,4-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| 1,3,5-Trimethylbenzene | | | <1.0 | | | | | 1.0 |
| Vinyl Chloride | | | <1.0 | | | | | 1.0 |
| Xylene, Meta + Para | | | <2.0 | | | -- | | 2.0 |
| Xylene, Ortho | | | <1.0 | | | -- | | 1.0 |

Surrogates:

| | | | | | | | | |
|------------------------------|--|--|--|----|--------|--|--|--|
| <i>Dibromofluoromethane</i> | | | | 97 | 88-116 | | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 90 | 87-123 | | | |
| <i>Toluene-d8</i> | | | | 96 | 91-107 | | | |
| <i>4-Bromofluorobenzene</i> | | | | 95 | 84-106 | | | |

Laboratory Control Sample

Unit: ug/L

Analyzed: 03/02/2011 By: DLV
 Analytical Batch: 1C03010

| | | | | | | | | |
|--------------------|------|--|-------------|-----|--------|----|--|-----|
| Benzene | 40.0 | | 41.9 | 105 | 84-119 | -- | | 1.0 |
| Chlorobenzene | 40.0 | | 41.5 | 104 | 84-118 | -- | | 1.0 |
| 1,1-Dichloroethene | 40.0 | | 43.2 | 108 | 77-123 | -- | | 1.0 |
| Toluene | 40.0 | | 42.4 | 106 | 85-118 | -- | | 1.0 |
| Trichloroethene | 40.0 | | 40.8 | 102 | 82-119 | -- | | 1.0 |

Surrogates:

| | | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|--|
| <i>Dibromofluoromethane</i> | | | | 97 | 88-116 | | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 88 | 87-123 | | | |
| <i>Toluene-d8</i> | | | | 101 | 91-107 | | | |
| <i>4-Bromofluorobenzene</i> | | | | 100 | 84-106 | | | |

Matrix Spike 1102286-20 B-51 (13-15')

Unit: ug/L

Analyzed: 03/02/2011 By: DLV
 Analytical Batch: 1C03010

| | | | | | | | | |
|--------------------|------|-----|-------------|-----|--------|----|--|----|
| Benzene | <10 | 400 | 474 | 118 | 80-129 | -- | | 10 |
| Chlorobenzene | <10 | 400 | 461 | 115 | 80-121 | -- | | 10 |
| 1,1-Dichloroethene | 139 | 400 | 609 | 118 | 74-134 | -- | | 10 |
| Toluene | 2.10 | 400 | 469 | 117 | 79-129 | -- | | 10 |
| Trichloroethene | 1580 | 400 | 1950 | 91 | 75-127 | -- | | 10 |

Surrogates:

| | | | | | | | | |
|------------------------------|--|--|--|-----|--------|--|--|--|
| <i>Dibromofluoromethane</i> | | | | 97 | 88-116 | | | |
| <i>1,2-Dichloroethane-d4</i> | | | | 88 | 87-123 | | | |
| <i>Toluene-d8</i> | | | | 101 | 91-107 | | | |

Continued on next page

QUALITY CONTROL REPORT
Volatile Organic Compounds by EPA Method 8260B (Continued)

| Analyte | Sample Conc. | Spike Qty. | Result | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|--------------|----------------|-----|------------|----|

QC Batch: 1101538 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Matrix Spike (Continued) 1102286-20 B-51 (13-15')

Analyzed: 03/02/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C03010

Surrogates (Continued):
4-Bromofluorobenzene

98 84-106

Matrix Spike Duplicate 1102286-20 B-51 (13-15')

Analyzed: 03/02/2011 By: DLV

Unit: ug/L

Analytical Batch: 1C03010

| | | | | | | | | |
|--------------------|------|-----|-------------|-----|--------|---|----|----|
| Benzene | <10 | 400 | 480 | 120 | 80-129 | 1 | 9 | 10 |
| Chlorobenzene | <10 | 400 | 470 | 118 | 80-121 | 2 | 8 | 10 |
| 1,1-Dichloroethene | 139 | 400 | 644 | 126 | 74-134 | 5 | 11 | 10 |
| Toluene | 2.10 | 400 | 476 | 119 | 79-129 | 1 | 9 | 10 |
| Trichloroethene | 1580 | 400 | 1980 | 100 | 75-127 | 2 | 10 | 10 |

Surrogates:
Dibromofluoromethane

95 88-116

1,2-Dichloroethane-d4

87 87-123

Toluene-d8

100 91-107

4-Bromofluorobenzene

98 84-106

STATEMENT OF DATA QUALIFICATIONS
Volatile Organic Compounds by EPA Method 8260B

Qualification: The CCV for this analytical batch had a recovery above the upper control limit. Positive results for this analyte in the associated analytical batch are considered estimated; non-detectable results do not require qualification.

Analysis: USEPA-8260B

| | | |
|-----------------|------------------------------|-----------|
| Sample/Analyte: | 1102286-13 B-49 (19.5-21.5') | Bromoform |
| | 1102286-14 B-49 (13-15') | Bromoform |
| | 1102286-15 Dup-01 | Bromoform |
| | 1102286-16 B-50 (20-22') | Bromoform |
| | 1102286-17 B-50 (13-15') | Bromoform |
| | 1102286-18 B-50 (7-9') | Bromoform |
| | 1102286-19 B-51 (20-22') | Bromoform |
| | 1102286-20 B-51 (13-15') | Bromoform |
| | 1102286-21 B-51 (7-9') | Bromoform |
| | 1102286-22 B-52 (20-22') | Bromoform |
| | 1102286-23 B-52 (13-15') | Bromoform |
| | 1102286-24 B-52 (7-9') | Bromoform |
| | 1102286-25 B-53 (24-26') | Bromoform |
| | 1102286-26 B-53 (18-20') | Bromoform |
| | 1102286-27 Dup-02 | Bromoform |
| | 1102286-28 B-54 (26-28') | Bromoform |
| | 1102286-29 B-54 (18-20') | Bromoform |



5560 Corporate Exchange Court SE Grand Rapids, MI 49512
 Phone (616) 975-4500 Fax (616) 942-7463
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Chain of Custody Record

COC No. **130735**

Analyses Requested

| | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|
| D | | | | | | | | | |
| VOCs | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Page 1 of 4

- RESERVATIVES
- A NONE pH-7
 - B HNO₃ pH<2
 - C H₂SO₄ pH<2
 - D 1+1 HCl pH<2
 - E NaOH pH>12
 - F ZnAc₂/NaOH pH-9
 - G MeOH
 - H Other (note below)

| For Lab Use Only | | Client Name | | Project Name | | | | | | | | | |
|------------------------|--------------------------|------------------------|-----------|---|-------------|--|--------------------------------|---------------------------|-----------------|---------|--|------|--|
| Cart | BDX | Tacomsieh Products/RMT | | TRR QRB Investigation | | | | | | | | | |
| VOA Rack/Tray | | Address | | Client Project No./PO. No. | | | | | | | | | |
| Receipt Log No. | 29-10 | 3354 Rancho Drive | | 02751.16 | | | | | | | | | |
| Project Chemist | | AMN Arbor MI 48108 | | Invoice No. <input checked="" type="checkbox"/> Client <input type="checkbox"/> Other (comments) | | | | | | | | | |
| Laboratory Project No. | 1102286 | Phone 334 931 7080 | | Contact/Report To | | | | | | | | | |
| Test Matrix Group Code | | Fax 734 931 9022 | | Stacy Metz | | | | | | | | | |
| Test Matrix Group Code | Laboratory Sample Number | Sample ID | Cooler ID | Sample Date | Sample Time | Container Type (corresponds to Container Packing List) | Number of Containers Submitted | Total | Sample Comments | | | | |
| 01 | 01 | B-45 (22-24') | | 2/22/11 | 1048 | X GR | 2 | 2 | | | | | |
| | 02 | B-45 (14-16') | | | 1131 | | | | | | | | |
| | 03 | B-45 (10-12') | | | 1215 | | | | | | | | |
| | 04 | B-46 (21-23') | | | 1148 | | | | | | | | |
| | 05 | B-46 (14-16') | | | 1251 | | | | | | | | |
| | | B-46 (8-10') | | | 1353 | | | | | | | | |
| | | B-46 (8-10') | | | 1353 | | | | | | | | |
| | | B-46 (8-10') | | | 1337 | | | | | | | | |
| | 07 | B-47 (21-23') | | | 1432 | | | | | | | | |
| | 08 | B-47 (14-16') | | | 1540 | | | | | | | | |
| | 09 | B-47 (2.75-9.75') | | | | | | | | | | | |
| Sampled By (print) | | How Shipped? | | Comments | | | | | | | | | |
| Stacy Metz | | Fed Ex | | Level 2 Report | | 1-Week TAT Please | | | | | | | |
| Sampler's Signature | | Tracking No. | | | | | | | | | | | |
| Stacy Metz | | | | | | | | | | | | | |
| Company | | 1. Relinquished By | | Date | | Time | | 2. Relinquished By | | Date | | Time | |
| RMT, Inc. | | Stacy Metz | | 2/21/11 | | 1740 | | | | | | | |
| | | 1. Received By | | Date | | Time | | 2. Received By | | Date | | Time | |
| | | Fed Ex | | | | | | | | | | | |
| | | 3. Relinquished By | | Date | | Time | | 4. Received For Liability | | Date | | Time | |
| | | | | | | | | | | 2/25/11 | | 0900 | |



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Chain of Custody Record

COC No. **130736**

Analyses Requested

| | |
|---|------|
| D | VOCs |
| | |
| | |
| | |
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| | |
| | |
| | |

Page 2 of 4

- ← PRESERVATIVES
- A NONE pH<7
 - B HNO₃ pH<2
 - C H₂SO₄ pH<2
 - D 1+1 HCl pH<2
 - E NaOH pH>12
 - F ZnAc₂/NaOH pH<9
 - G MeOH
 - H Other (see below)

For Lab Use Only

Client Name: **RMT / Tecumseh Products**
 Project Name: **TR PRB Investigation**
 Address: **3354 Ranchero Dr**
 Client Project No./P.O. No.: **02351.16**
 Phone: **Ann Arbor MI 48108**
 Invoice No.: **02351.16**
 Fax: **734 931 9022**
 Contact/Report To: **Stacy Metz**

| Test Matrix Group Code | Laboratory Sample Number | Sample ID | Cooler ID | Sample Date | Sample Time | C O M P | C O M P | Matrix | Number of Containers Submitted | Total | Sample Comments |
|------------------------|--------------------------|------------------|-----------|-------------|-------------|---------|---------|--------|--------------------------------|-------|-----------------|
| 01 | 10 | B-48 (19.5-21.5) | | 2/22/11 | 1528 | | | X GWD | | 2 | |
| | 11 | B-48 (13-15) | | | 1629 | | | | | | |
| | 12 | B-48 (7-9) | | | 1708 | | | | | | |
| | 13 | B-49 (19.5-21.5) | | | 1622 | | | | | | |
| | 14 | B-49 (13-15) | | | 1658 | | | | | | |
| X | 15 | B-49 (7-9) | | | 1739 | | | | | | NOT rec'd |
| 01 | 15 | DUP-01 | | | | | | | | | |
| | 16 | B-50 (20-22) | | 2/23/11 | 1068 | | | | | | |
| | 17 | B-50 (13-15) | | | 1101 | | | | | | |
| | 18 | B-50 (7-9) | | | 1220 | | | | | | |

Sampled By (print): **Stacy Metz**
 Sampler's Signature: *Stacy Metz*
 Tracking No.: **Fed Ex**
 How Shipped? **Express** **Carrier** **Fed Ex**

Company: **EMT, Inc**

1. Relinquished By: **Stacy Metz** Date: **2/21/11** Time: **1740**
 1. Received By: **Fed Ex** Date: _____ Time: _____

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

3. Relinquished By: _____ Date: _____ Time: _____
 3. Received for Lab by: *Stacy Metz* Date: **2/21/11** Time: **0800**



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Chain of Custody Record

COC No.

130737

Analyses Requested

Page 3 of 4

| Container Type (corresponds to Container Packing List) | Number of Containers Submitted | Total |
|--|--------------------------------|-------|
| 0 | | |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

- PRESERVATIVES
A NONE pH<7
B HNO₃ pH<2
C H₂SO₄ pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc₂/NaOH pH<9
G MeOH
H Other (note below)

For Lab Use Only
 Cart
 VOA Rack/Tray
 Receipt Log No.
 Project Chemist
 Laboratory Project No.
 1102286

Client Name
 RMT / Taimuel Products
 Address
 3754 Ranchers Drive
 Ann Arbor MI 48108
 Phone 734 931 7080
 Fax 734 431 9022
 Project Name
 TRP PRB Invertebr
 Client Project No./P.O. No.
 02251.16
 Invoice No.
 Patient
 Other (comments)
 Contract/Report To
 Stacy Metz

| Test Matrix Group Code | Laboratory Sample Number | Sample ID | Cooler ID | Sample Date | Sample Time | F O P M | R A B | Matrix | Sample Comments |
|------------------------|--------------------------|----------------------|-----------|-------------|-------------|---------|-------|--------|-----------------------|
| 01 | 19 | B-51 (20-22') | | 2/24/10 | 1656 | | | X G02 | |
| 02 | 20 | B-51 (13-15') | | | | | | | |
| 03 | 21 | MS/MSD B-51 (13-15') | | | | | | | Project Spec'n MS/MSD |
| 01 | 22 | B-51 (7-9') | | | | | | | |
| 01 | 23 | B-52 (20-22') | | | | | | | |
| 01 | 24 | B-52 (13-15') | | | | | | | |
| 01 | 25 | B-52 (7-9') | | | | | | | |
| 01 | 26 | B-53 (24-26') | | | | | | | |
| 01 | 27 | B-53 (18-20') | | | | | | | |
| 01 | 27 | DUP-02 | | | | | | | |

Sampled By (print)
 Stacy Metz
 Sampler's Signature
 [Signature]
 Company
 RMT Inc

How Shipped? Hand
 Carrier Fed Ex
 Tracking No.
 1. Requisitioned By
 Stacy Metz 2/24/10 1740
 2. Received By
 Fed Ex

Comments
 Level 2 Report
 1 week FAT

1. Requisitioned By
 Stacy Metz 2/24/10 1740
 2. Received By
 Fed Ex
 Reported For Lab Use
 [Signature] 0920

SAMPLE RECEIVING / LOG-IN CHECKLIST



| | |
|--|---------------------------------|
| Client <i>RMT</i> | Work Order #: <i>1102286</i> |
| Receipt Record Page/Line # <i>29-10</i> | Project Chemist / Sample # |

| | | | | |
|---|---|--------------------------|--|--|
| Recorded by (Initials/date) <i>SLK 2/1</i> | Cooler <input type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other | Qty Received <i>1</i> | <input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Thermometer Used <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (#) | See Additional Cooler Information Form |
|---|---|--------------------------|--|--|

| Cooler # | Time | Cooler # | Time | Cooler # | Time | Cooler # | Time | |
|---|----------------------|--|---|--|-----------|--|----------------------|-----------|
| <i>-</i> | <i>1325</i> | | | | | | | |
| Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | |
| Coolant Location: <input checked="" type="checkbox"/> Dispersed / <input type="checkbox"/> Top / <input type="checkbox"/> Middle / <input type="checkbox"/> Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / <input type="checkbox"/> Top / <input type="checkbox"/> Middle / <input type="checkbox"/> Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / <input type="checkbox"/> Top / <input type="checkbox"/> Middle / <input type="checkbox"/> Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / <input type="checkbox"/> Top / <input type="checkbox"/> Middle / <input type="checkbox"/> Bottom | | |
| Coolant/Temperature Taken Via: <input checked="" type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | |
| Alternate Temperature Taken Via: <input checked="" type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | |
| Recorded °C | Correction Factor °C | Actual °C | Recorded °C | Correction Factor °C | Actual °C | Recorded °C | Correction Factor °C | Actual °C |
| Temp Blank: | | <i>1.9</i> | Temp Blank: | | | Temp Blank: | | |
| TB location: Representative / Not Representative | | | TB location: Representative / Not Representative | | | TB location: Representative / Not Representative | | |
| 1 | <i>3.4</i> | <i>-</i> | 1 | | | 1 | | |
| 2 | <i>3.1</i> | <i>-</i> | 2 | | | 2 | | |
| 3 | <i>2.8</i> | <i>-</i> | 3 | | | 3 | | |
| Average °C | | | Average °C | | | Average °C | | |
| <input checked="" type="checkbox"/> Cooler ID on COC? | | | <input type="checkbox"/> Cooler ID on COC? | | | <input type="checkbox"/> Cooler ID on COC? | | |
| <input checked="" type="checkbox"/> VOC Trip Blank received? | | | <input type="checkbox"/> VOC Trip Blank received? | | | <input type="checkbox"/> VOC Trip Blank received? | | |

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received No COC Received

| | | | |
|-----|-------------------------------------|--------------------------|---------------------------------|
| N/A | Yes | No | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chain of Custody record(s)? |
| | <input type="checkbox"/> | <input type="checkbox"/> | if No, COC Initiated By _____ |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Rec'd for Lab Signed/Date/Time? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Shipping document? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other _____ |

COC ID #s

TriMatrix *130735*

Other (Name or ID#) _____

Check COC for Accuracy No analysis requested

| | | |
|-------------------------------------|-------------------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Sample ID matches COC? |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Sample Date and Time matches COC? |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Container type completed on COC? |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | All container types indicated are received? |

Sample Condition Summary Non-TriMatrix containers, see Notes

| | | | |
|-----|-------------------------------------|-------------------------------------|--|
| N/A | Yes | No | |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Broken containers/lids? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Missing or incomplete labels? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Illegible information on labels? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Low volume received? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Inappropriate containers received? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | VOC vials / TOX containers have headspace? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Extra sample locations / containers not listed on COC? |

Check Sample Preservation

| | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|---|
| N/A | Yes | No | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Average sample temperature $\leq 6^{\circ}C$? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Completed Sample Preservation Verification Form? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Samples preserved correctly? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | If "No", added orange tag? |
| | | <input type="checkbox"/> | Received pre-preserved VOC soils? |
| | | <input type="checkbox"/> | MeOH <input type="checkbox"/> Na ₂ SO ₄ |

Check for Short Hold-Time Prep/Analyses

- Bacteriological
- Air Bags
- EnCores / Methanol Pre-Preserved
- Formaldehyde/Aldehyde
- Green-tagged containers
- Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)

NONE RECEIVED

RECEIVED, COCs TO LAB(S)

Notes

Trip Blank received Trip Blank not listed on COC

No COC received, Proj. Chemist reviewed (Init/Date) _____

No analysis requested, Proj. Chemist completed (Init/Date) _____

| | | |
|--|--|--|
| Cooler Received (Date/Time) <i>2/25/11 0900</i> | Paperwork Delivered (Date/Time) <i>2/25/11 1330</i> | ≤1 Hour Goal Met? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
|--|--|--|

Technical Memorandum

Attachment C

1st Quarter 2011 Groundwater Sampling Data

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-01s | 12/09/2009 | 7.29 | 499 | 161 | 5.68 | 18.3 | 12.64 |
| | 3/17/2010 | 6.40 | 521 | 84 | 2.4 | 30.1 | 13.34 |
| | 5/18/2010 | 7.45 | 631 | 110 | 2.1 | 10 | 11.9 |
| | 9/10/2010 | NM | 678 | 29 | 3.4 | 38 | 15.96 |
| | 12/28/2010 | 6.85 | 603 | 140 | 4.54 | 29.4 | 13.08 |
| | 2/25/2011 | 7.67 | 603 | -5 | 6.80 | 29.6 | 11.22 |
| MW-02s | 12/09/2009 | 6.67 | 1,238 | 192 | 3.92 | 79.1 | 14.78 |
| | 3/17/2010 | 7.31 | 859 | 55 | 0.80 | 18.7 | 14.81 |
| | 5/18/2010 | 7.41 | 1,379 | 156 | 1.2 | 84 | 13.9 |
| | 9/10/2010 | NM | 1,413 | 35 | 1.6 | 49 | 16.16 |
| | 12/22/2010 | 6.97 | 1,500 | 28 | 2.82 | 33.0 | 14.90 |
| | 2/24/2011 | 7.06 | 1,450 | -25 | 2.41 | 32.7 | 14.50 |
| MW-03s | 12/08/2009 | 6.85 | 1,342 | 63 | 1.21 | 30.9 | 13.67 |
| | 3/17/2010 | 7.11 | 1,105 | 70 | 1.57 | 25.5 | 10.47 |
| | 5/18/2010 | 7.25 | 1,239 | 160 | 0.8 | 10 | 13.4 |
| | 9/10/2010 | NM | 1,320 | 11 | 0.5 | 39 | 18.70 |
| | 12/22/2010 | 6.96 | 1,298 | 24 | 0.44 | 31.9 | 13.42 |
| | 2/25/2011 | 6.82 | 1,466 | 38 | 0.80 | 25.2 | 8.84 |
| MW-04s | 12/09/2009 | 6.87 | 970 | 68 | 7.17 | 4.70 | 15.47 |
| | 3/17/2010 | 6.57 | 763 | 78 | 0.22 | 16.7 | 15.69 |
| | 5/18/2010 | 7.20 | 928 | 168 | 0.4 | 5.0 | 13.6 |
| | 9/17/2010 | 7.03 | 817 | 49 | 0.4 | 33.3 | 18.14 |
| | 12/22/2010 | 6.99 | 838 | -10 | 0.32 | 29.9 | 16.41 |
| | 2/25/2011 | 7.06 | 795 | -9 | 0.60 | 24.5 | 14.15 |
| MW-05s | 12/10/2009 | 7.41 | 765 | 131 | 7.19 | NM | 10.18 |
| | 3/17/2010 | 7.51 | 678 | 20 | 3.24 | 39.0 | 12.80 |
| | 5/17/2010 | 7.70 | 920 | 134 | 1.8 | 10.0 | 11.8 |
| | 9/9/2010 | NM | 886 | 46 | 3.5 | 56.0 | 13.80 |
| | 12/21/2010 | 7.28 | 852 | 25 | 4.52 | 33.6 | 11.77 |
| | 2/24/2011 | 6.94 | 857 | 65 | 4.32 | 28.0 | 11.78 |
| MW-06s | 12/09/2009 | 7.18 | 635 | 171 | 2.32 | 22.0 | 11.72 |
| | 3/18/2010 | 7.40 | 856 | 0 | 0.85 | 28.5 | 12.94 |
| | 5/17/2010 | 7.77 | 768 | 86 | 0.7 | 39 | 12.6 |
| | 9/10/2010 | NM | 1,254 | 116 | 0.9 | 47 | 12.70 |
| | 12/21/2010 | 7.13 | 979 | -8 | 1.19 | 32.0 | 12.38 |
| | 2/18/2011 | 6.74 | 977 | 35 | 0.83 | 27.3 | 12.51 |

Notes:

- S.U. = standard pH units
- umhos/cm = micromhos per centimeter
- mV = millivolts
- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-07s | 12/10/2009 | 7.27 | 822 | 95 | 3.41 | NM | 10.43 |
| | 3/17/2010 | 7.20 | 770 | -2 | 1.69 | 22.9 | 11.91 |
| | 5/17/2010 | 7.73 | 930 | 151 | 1.5 | 10 | 11.8 |
| | 9/10/2010 | NM | 833 | 109 | 3.2 | 39 | 13.00 |
| | 12/21/2010 | 7.13 | 846 | 15 | 2.80 | 35.0 | 12.45 |
| | 2/24/2011 | 6.90 | 871 | 92 | 2.68 | 25.9 | 11.95 |
| MW-08s | 12/10/2009 | 7.49 | 828 | 119 | 8.60 | NM | 10.91 |
| MW-09s | 12/09/2009 | 7.14 | 661 | 172 | 6.32 | 15.7 | 11.63 |
| | 3/18/2010 | 7.34 | 436 | 121 | 4.75 | 44.5 | 7.32 |
| | 5/18/2010 | 7.56 | 506 | 206 | 3.0 | 19 | 10.4 |
| | 9/17/2010 | 7.29 | 709 | 58 | 2.5 | 46.7 | 16.92 |
| | 2/25/2011 | 7.45 | 663 | 11 | 6.39 | 30.0 | 6.58 |
| MW-10s | 12/09/2009 | 7.01 | 825 | -1 | 6.16 | 144 | 9.99 |
| | 3/16/2010 | 7.28 | 816 | -24 | 0.17 | 38.0 | 7.79 |
| | 5/12/2010 | 5.99 | 570 | 223 | 0.4 | 28 | 8.1 |
| | 9/3/2010 | NM | 925 | -29 | 0.3 | 56 | 16.10 |
| | 12/16/2010 | 6.95 | 1,293 | -53 | 0.18 | 49.5 | 10.40 |
| | 2/15/2011 | 6.85 | 1,251 | -4 | 0.68 | 39.5 | 7.70 |
| MW-10d | 12/09/2009 | 6.98 | 1,150 | 6 | 1.69 | 0.88 | 10.05 |
| MW-11s | 12/09/2009 | 7.14 | 969 | 140 | 8.59 | 27.2 | 10.18 |
| | 3/15/2010 | 7.31 | 632 | 83 | 7.05 | 199 | 11.43 |
| | 5/14/2010 | 6.89 | 728 | 195 | 2.7 | 85 | 12.1 |
| | 9/3/2010 | NM | 828 | 109 | 5.4 | 98 | 14.50 |
| | 12/17/2010 | 6.71 | 1,093 | 108 | 3.51 | 51.9 | 11.00 |
| | 2/17/2011 | 7.04 | 863 | 104 | 5.18 | 49.5 | 11.86 |
| MW-12s | 12/10/2009 | 6.34 | 906 | 165 | 8.03 | 9.80 | 10.51 |
| | 3/15/2010 | 7.40 | 965 | 80 | 6.61 | 39.4 | 10.12 |
| | 5/14/2010 | 7.11 | 2,000 | 200 | 2.7 | 10 | 10.6 |
| | 9/3/2010 | NM | 1,650 | 108 | 5.4 | 46 | 16.30 |
| | 12/14/2010 | 6.97 | 1,371 | 34 | 6.61 | 35.3 | 11.70 |
| | 2/14/2011 | NM | 1,228 | 41 | 7.72 | 27.5 | 10.87 |
| MW-12d | 3/18/2010 | 7.14 | 1,780 | -94 | 0.23 | 59.2 | 12.07 |
| | 5/14/2010 | 7.19 | 1,880 | -46 | 0.2 | 15 | 12.2 |
| | 9/3/2010 | NM | 2,200 | -93 | 0.3 | 110 | 15.60 |
| | 12/14/2010 | 6.96 | 2,250 | -91 | 0.30 | 32.8 | 7.60 |
| | 2/14/2011 | 6.84 | 2,370 | -79 | 0.24 | 25.3 | 11.10 |

Notes:

- S.U. = standard pH units
- umhos/cm = micromhos per centimeter
- mV = millivolts
- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-13s | 12/10/2009 | 6.51 | 1,264 | 122 | 3.26 | 9.70 | 11.24 |
| | 3/15/2010 | 7.05 | 1,760 | 75 | 2.38 | 44.0 | 10.87 |
| | 5/14/2010 | 7.00 | 2,810 | 87 | 1.5 | 10 | 11.4 |
| | 9/3/2010 | NM | 2,170 | 71 | 2.6 | 44 | 15.70 |
| | 12/14/2010 | 6.85 | 2,050 | 18 | 4.70 | 45.2 | 11.30 |
| | 2/14/2011 | 6.80 | 1,870 | 8 | 9.32 | 261 | 8.86 |
| MW-14s | 12/08/2009 | 7.04 | 1,251 | 52 | 1.26 | 9.44 | 11.69 |
| | 3/15/2010 | 7.39 | 610 | -7 | 4.83 | 29.9 | 6.63 |
| | 5/12/2010 | 6.96 | 733 | 197 | 3.0 | 4.5 | 9.9 |
| | 9/3/2010 | NM | 1,338 | 57 | 0.5 | 35 | 19.50 |
| | 12/20/2010 | 6.56 | 2,020 | 54 | 0.70 | 30.2 | 9.25 |
| | 2/16/2011 | 7.02 | 1,373 | 146 | 4.15 | 25.9 | 6.62 |
| MW-14d | 3/23/2010 | 7.29 | 1,151 | 30 | 1.18 | 73.6 | 11.70 |
| | 5/14/2010 | 7.44 | 1,324 | 95 | 0.9 | 65 | 12.9 |
| | 9/3/2010 | NM | 1,371 | 81 | 1.2 | 58 | 14.30 |
| | 12/16/2010 | 6.91 | 1,397 | 45 | 0.88 | 57.9 | 10.90 |
| | 2/16/2011 | 7.01 | 1,403 | 114 | 0.94 | 32.3 | 11.06 |
| MW-15s | 12/10/2009 | 7.07 | 456 | 150 | 9.35 | 33.7 | 9.76 |
| | 3/15/2010 | 6.85 | 448 | 93 | 7.07 | 57.9 | 11.03 |
| | 5/14/2010 | 7.50 | 621 | 131 | 2.4 | 52 | 12.8 |
| | 9/8/2010 | NM | 895 | 129 | 5.5 | 59 | 12.54 |
| | 12/17/2010 | 7.14 | 743 | 82 | 4.18 | 44.0 | 10.69 |
| | 2/17/2011 | 7.01 | 662 | 98 | 4.71 | 39.0 | 11.26 |
| MW-16s | 12/07/2009 | NM | NM | NM | NM | NM | NM |
| | 3/18/2010 | NM | NM | NM | NM | NM | NM |
| | 5/12/2010 | NM | NM | NM | NM | NM | NM |
| | 9/8/2010 | NM | NM | NM | NM | NM | NM |
| | 12/16/2010 | NM | NM | NM | NM | NM | NM |
| | 2/15/2011 | NM | NM | NM | NM | NM | NM |
| MW-17s | 12/07/2009 | 7.32 | 810 | 124 | 8.06 | 8.51 | 8.82 |
| | 3/18/2010 | 7.47 | 847 | 28 | 3.27 | 29.2 | 5.19 |
| | 5/12/2010 | 7.35 | 870 | 218 | 3.1 | 10 | 9.1 |
| | 9/8/2010 | NM | 1,136 | 115 | 4.6 | 58 | 15.34 |
| | 12/16/2010 | 7.25 | 903 | 28 | 5.88 | 59.2 | 7.74 |
| | 2/15/2011 | 7.35 | 1,028 | 15 | 10.07 | 43.3 | 5.10 |

Notes:

- S.U. = standard pH units
- umhos/cm = micromhos per centimeter
- mV = millivolts
- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-18s | 12/08/2009 | 7.31 | 1,043 | 56 | 4.52 | 79.2 | 11.59 |
| | 3/16/2010 | 6.08 | 732 | 107 | 1.14 | 97.7 | 11.82 |
| | 5/12/2010 | 7.82 | 1,990 | 208 | 2.3 | 10 | 11.3 |
| | 9/8/2010 | NM | 13 | 91 | 3.1 | 50 | 13.95 |
| | 12/20/2010 | 6.77 | 1,259 | 44 | 4.28 | 41.5 | 11.77 |
| | 2/17/2011 | 7.03 | 1,236 | 136 | 3.14 | 32.0 | 11.77 |
| MW-19s | 12/08/2009 | 6.82 | 1,065 | 53 | 2.73 | 15.6 | 12.37 |
| | 3/16/2010 | 7.15 | 895 | 6 | 1.95 | 20.2 | 12.66 |
| | 5/18/2010 | 6.63 | 971 | 150 | 0.6 | 10 | 11.6 |
| | 9/10/2010 | NM | 1,470 | 114 | 2.7 | 43 | 13.34 |
| | 12/20/2010 | 7.04 | 1,131 | 7 | 1.93 | 31.9 | 12.49 |
| | 2/18/2011 | 7.17 | 1,229 | 36 | 2.65 | 25.5 | 12.25 |
| MW-19d | 12/08/2009 | 6.86 | 1,067 | -84 | 0.71 | 66.6 | 10.99 |
| | 3/16/2010 | 7.00 | 913 | -76 | 0.31 | 96.2 | 11.89 |
| | 5/12/2010 | 7.91 | 1,185 | -30 | 0.4 | 23 | 11.7 |
| | 9/8/2010 | NM | 1,219 | -103 | 0.2 | 80 | 15.75 |
| | 12/20/2010 | 7.18 | 1,162 | -117 | 0.24 | 38.0 | 9.95 |
| | 2/18/2011 | 6.30 | 1,257 | 17 | 0.49 | 35.3 | 11.57 |
| MW-20s | 12/10/2009 | 7.48 | 418 | 15 | 2.93 | 8.30 | 9.75 |
| | 3/17/2010 | 7.15 | 411 | 125 | 2.08 | 43.0 | 6.34 |
| | 5/18/2010 | 6.94 | 488 | 177 | 1.4 | 47 | 10.7 |
| | 9/10/2010 | NM | 512 | 109 | 1.0 | 42 | 18.03 |
| | 12/21/2010 | 7.04 | 553 | 94 | 1.11 | 35.7 | 9.63 |
| | 2/18/2011 | 7.58 | 599 | 34 | 1.60 | 29.7 | 7.17 |
| MW-20d | 12/10/2009 | 6.87 | 1,006 | -41 | 0.82 | 0.77 | 11.18 |
| | 3/17/2010 | 6.98 | 928 | -89 | 0.82 | 22.2 | 10.85 |
| | 5/18/2010 | 6.92 | 1,183 | 27 | 0.3 | 10 | 10.4 |
| | 9/10/2010 | NM | 1,184 | -30 | 0.3 | 49 | 15.89 |
| | 12/21/2010 | 6.98 | 1,205 | -110 | 0.19 | 34.7 | 11.08 |
| | 2/18/2011 | 7.38 | 1,216 | -135 | 0.52 | 33.5 | 11.61 |
| MW-21 | 12/08/2009 | 7.12 | 1,049 | 36 | 4.43 | 15.7 | 11.30 |
| | 3/23/2010 | 7.29 | 1,002 | 41 | 3.48 | 24.9 | 12.81 |
| | 5/18/2010 | 7.15 | 1,134 | 220 | 1.8 | 8.0 | 12.2 |
| | 10/15/2010 | 6.91 | 1,160 | 180 | 4.2 | 29.3 | 13.03 |
| | 12/22/2010 | 7.11 | 1,084 | 21 | 5.00 | 34.3 | 11.87 |
| | 2/24/2011 | 6.99 | 1,243 | -10 | 5.02 | 28.5 | 12.03 |

Notes:

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- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-22 | 12/07/2009 | 5.73 | 1,220 | 190 | 1.75 | 4.85 | 9.62 |
| | 3/18/2010 | 7.37 | 1,010 | -121 | 0.21 | 17.6 | 10.64 |
| | 5/18/2010 | 7.07 | 1,183 | -7 | 0.3 | 9 | 9.2 |
| | 9/10/2010 | NM | 1,357 | -114 | 0.2 | 41 | 11.12 |
| | 12/22/2010 | 7.00 | 1,304 | -127 | 0.19 | 32.8 | 10.45 |
| | 2/24/2011 | 6.97 | 1,299 | -139 | 0.38 | 33.2 | 10.03 |
| MW-23 | 12/08/2009 | 6.63 | 1,520 | -29 | 0.68 | 49.0 | 12.91 |
| | 3/16/2010 | 6.84 | 1,280 | -76 | 0.25 | 86.5 | 10.97 |
| | 5/18/2010 | 7.02 | 1,600 | 18 | 0.2 | 10 | 10.6 |
| | 9/10/2010 | NM | 1,550 | -87 | 0.2 | 44 | 16.15 |
| | 12/21/2010 | 6.99 | 1,540 | -110 | 0.65 | 33.0 | 12.64 |
| | 2/18/2011 | 6.95 | 1,540 | -127 | 0.30 | 37.4 | 12.23 |
| MW-24s | 12/08/2009 | 7.24 | 1,710 | 5 | 3.86 | NM | 13.10 |
| | 3/15/2010 | 7.49 | 1,142 | -10 | 2.29 | 27.7 | 12.26 |
| | 5/12/2010 | 7.95 | 1,262 | 91 | 1.7 | 10 | 11.3 |
| | 9/8/2010 | NM | 1,495 | 54 | 3.2 | 43 | 16.10 |
| | 12/14/2010 | 6.76 | 1,308 | 152 | 2.04 | 32.5 | 10.85 |
| | 2/14/2011 | NM | 1,203 | 157 | 2.48 | 26.7 | 12.30 |
| MW-24d | 12/08/2009 | 6.89 | 3,760 | -65 | 0.58 | NM | 11.89 |
| | 3/15/2010 | 7.16 | 2,900 | -73 | 0.73 | 30.4 | 12.57 |
| | 5/12/2010 | 7.63 | 3,600 | -9 | 0.3 | 9 | 11.9 |
| | 9/8/2010 | NM | 3,360 | 114 | 1.4 | 44 | 17.3 |
| | 12/14/2010 | 6.76 | 4,140 | -78 | 0.40 | 34.8 | 7.92 |
| | 2/14/2011 | NM | 4,050 | -72 | 0.32 | 25.5 | 11.79 |
| MW-25s | 12/10/2009 | 7.08 | 743 | 71 | 0.93 | 31.3 | 11.01 |
| | 3/16/2010 | 7.09 | 830 | 38 | 1.49 | 23.8 | 11.69 |
| | 5/14/2010 | 7.72 | 1,066 | 118 | 0.8 | 52 | 11.8 |
| | 9/8/2010 | NM | 1,104 | 77 | 1.7 | 40 | 13.65 |
| | 12/22/2010 | 6.80 | 1,061 | 106 | 1.70 | 34.0 | 12.05 |
| | 2/24/2011 | 6.92 | 1,034 | 16 | 1.58 | 25.2 | 11.40 |
| MW-26s | 4/6/2010 | 6.09 | 1,116 | 140 | 0.31 | 16.2 | 13.08 |
| | 5/14/2010 | 7.81 | 1,024 | -22 | 0.2 | 22 | 14.3 |
| | 9/8/2010 | NM | 1,128 | -64 | 0.2 | 49 | 15.08 |
| | 12/17/2010 | 7.22 | 938 | -86 | 0.15 | 31.0 | 11.06 |
| | 2/17/2011 | 6.37 | 951 | 91 | 0.75 | 63.5 | 12.29 |

Notes:

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- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-27s | 3/23/2010 | 7.38 | 1,198 | -57 | 0.15 | 67.8 | 8.27 |
| | 5/17/2010 | 6.62 | 1,274 | 150 | 0.2 | 58 | 11.7 |
| | 9/9/2010 | NM | 1,660 | -61 | 0.3 | 58 | 16.68 |
| | 12/20/2010 | 6.87 | 1,374 | 1 | 0.20 | 45.0 | 10.62 |
| | 2/16/2011 | 7.19 | 1,158 | 40 | 0.53 | 31.0 | 7.37 |
| MW-27d | 3/23/2010 | 7.27 | 1,175 | -108 | 0.21 | 23.9 | 12.79 |
| | 5/17/2010 | 6.90 | 1,429 | 127 | 0.3 | 3.0 | 12.7 |
| | 9/9/2010 | NM | 1,468 | -12 | 0.4 | 35.0 | 12.89 |
| | 12/20/2010 | 7.01 | 1,510 | -41 | 0.26 | 33.9 | 10.40 |
| | 2/16/2011 | 7.14 | 1,360 | -102 | 0.29 | 30.4 | 12.45 |
| MW-28s | 3/23/2010 | 7.30 | 778 | -1 | 1.93 | 22.2 | 11.50 |
| | 5/17/2010 | 7.48 | 1,260 | 148 | 1.5 | 10 | 12.1 |
| | 9/9/2010 | NM | 779 | 42 | 1.5 | 41 | 12.85 |
| | 12/17/2010 | 6.92 | 736 | 130 | 1.19 | 35.0 | 10.10 |
| | 2/16/2011 | 7.18 | 916 | 26 | 1.67 | 26.0 | 11.99 |
| MW-28d | 3/23/2010 | 7.26 | 827 | -81 | 0.31 | 31.9 | 11.41 |
| | 5/17/2010 | 7.38 | 9 | 148 | 0.5 | 16 | 13.2 |
| | 9/9/2010 | NM | 901 | 10 | 0.9 | 58 | 13.37 |
| | 12/17/2010 | 7.00 | 999 | -129 | 0.15 | 34.9 | 10.20 |
| | 2/16/2011 | 7.26 | 936 | -174 | 0.21 | 29.0 | 11.33 |
| MW-29s | 3/18/2010 | 7.05 | 2,820 | -59 | 0.37 | 24.8 | 12.71 |
| | 5/17/2010 | 6.98 | 3,270 | -16 | 0.2 | 18 | 12.8 |
| | 9/9/2010 | NM | 4,410 | -107 | 0.3 | 35 | 16.30 |
| | 12/15/2010 | 6.61 | 6,020 | -121 | 0.42 | 39.5 | 12.91 |
| | 2/15/2011 | 6.78 | 4,910 | -241 | 0.34 | 33.9 | 12.65 |
| MW-29d | 3/18/2010 | 7.24 | 1,182 | -134 | 0.21 | 5,999 | 13.78 |
| | 5/17/2010 | 7.40 | 1,405 | 60 | 1.0 | 10 | 15.0 |
| | 9/9/2010 | NM | 1,437 | 6 | 0.6 | 35 | 19.35 |
| | 12/15/2010 | 6.99 | 1,570 | -90 | 1.57 | 42.3 | 0.52 |
| | 2/15/2011 | 7.15 | 1,550 | -202 | 0.30 | 1,245 | 11.28 |
| MW-30s | 3/23/2010 | 7.03 | 2,120 | -14 | 1.68 | 102 | 9.98 |
| | 5/17/2010 | 7.40 | 2,430 | 69 | 0.2 | 22 | 12.1 |
| | 9/9/2010 | NM | 1,840 | -85 | 0.2 | 52 | 17.01 |
| | 12/16/2010 | 6.78 | 1,800 | -95 | 0.34 | 51.0 | 13.60 |
| | 2/15/2011 | 7.01 | 1,740 | -115 | 0.18 | 61.0 | 11.38 |

Notes:

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- mV = millivolts
- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-1
 Summary of Field Parameters in Groundwater
 Former Tecumseh Products Company Site
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | pH | Conductivity | Redox Potential | Dissolved Oxygen | Turbidity | Temperature |
|---------|------------|------|--------------|-----------------|------------------|-----------|-------------|
| Units | | S.U. | umhos/cm | mV | mg/L | NTU | °C |
| MW-30d | 3/23/2010 | 6.92 | 1,670 | -94 | 0.36 | 36.0 | 12.10 |
| | 5/17/2010 | 7.48 | 1,910 | -5 | 0.2 | 44 | 13.6 |
| | 9/9/2010 | NM | 1,870 | -98 | 0.2 | 52 | 16.35 |
| | 12/16/2010 | 6.88 | 1,830 | -94 | 0.22 | 44.5 | 11.70 |
| | 2/15/2011 | 7.11 | 1,800 | -146 | 0.78 | 40.3 | 12.60 |
| MW-31 | 6/18/2010 | 6.93 | 1,416 | 139 | 4.96 | 14.8 | 12.96 |
| | 9/17/2010 | 7.03 | 1,052 | 107 | 4.60 | 86.9 | 11.79 |
| | 12/22/2010 | 7.05 | 1,176 | 11 | 6.99 | 34.9 | 10.75 |
| | 2/24/2011 | 6.88 | 1,208 | 8 | 6.51 | 32.7 | 10.91 |
| MW-32s | 9/17/2010 | 7.29 | 771 | -20 | 0.31 | 46.8 | 17.52 |
| | 11/19/2010 | 7.08 | 800 | -101 | 0.22 | 25.8 | 17.56 |
| | 12/28/2010 | 6.80 | 830 | -62 | 0.24 | 31.5 | 17.20 |
| | 2/25/2011 | 7.14 | 868 | -55 | 0.42 | 25.8 | 17.10 |
| MW-33s | 9/17/2010 | 7.13 | 1,006 | -95 | 0.48 | 39.2 | 16.55 |
| | 11/19/2010 | 6.79 | 1,059 | -101 | 0.22 | 26.7 | 17.42 |
| | 12/22/2010 | 6.98 | 1,056 | -128 | 0.30 | 33.4 | 17.55 |
| | 2/24/2011 | 7.00 | 991 | -157 | 0.37 | 23.0 | 17.28 |
| MW-34s | 9/17/2010 | 7.40 | 562 | 21 | 3.83 | 44.2 | 16.02 |
| | 11/19/2010 | 7.22 | 580 | 27 | 4.30 | 30.0 | 16.07 |
| | 12/28/2010 | 7.08 | 585 | 21 | 5.68 | 32.5 | 15.70 |
| | 2/25/2011 | 7.40 | 630 | -15 | 5.31 | 25.5 | 15.55 |

Notes:

- S.U. = standard pH units
- umhos/cm = micromhos per centimeter
- mV = millivolts
- mg/L = milligrams per liter
- NTU = nephelometric turbidity units
- °C = degrees Celsius
- NM = not measured

Table C-2
 Summary of Monitored Natural Attenuation Parameters in Groundwater
 Tecumseh Products Company
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | Chloride | Nitrate as Nitrogen | Sulfate | Iron II | Alkalinity | Total Organic Carbon |
|-----------------|------------|------------|---------------------|------------|--------------|------------|----------------------|
| Units | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| MW-01s | 12/09/2009 | 34 | 3.0 | 20 | 0.31 | NA | NA |
| | 5/18/2010 | 31 | 3.3 | 18 | 0.027 | NA | NA |
| | 12/28/2010 | 20 | 2.5 | 16 | 0.023 | NA | NA |
| MW-03s | 12/08/2009 | 220 | 2.1 | 37 | 0.11 | NA | NA |
| | 5/18/2010 | 130 | 0.36 | 35 | 0.059 | NA | NA |
| | 12/22/2010 | 170 | 0.33 | 30 | 0.034 | NA | NA |
| MW-03s (DUP-01) | 12/08/2009 | 220 | 2.1 | 37 | 0.12 | NA | NA |
| MW-04s | 12/09/2009 | 100 | 6.8 | 27 | 0.079 | 430 | 4.4 |
| | 5/18/2010 | 76 | 0.87 | 17 | 0.04 | NA | NA |
| | 12/22/2010 | 60 | <0.050 | 9.5 | <0.020 | NA | NA |
| MW-06s | 12/09/2009 | 60 | 3.0 | 40 | 1.6 | NA | NA |
| | 5/17/2010 | 35 | 7.5 | 37 | 0.027 | NA | NA |
| | 12/21/2010 | 86 | 5.7 | 53 | <0.020 | NA | NA |
| MW-09s | 12/09/2009 | 63 | 1.8 | 24 | 0.23 | NA | NA |
| | 5/18/2010 | 13 | 1.4 | 8.9 | 0.053 | NA | NA |
| MW-10s | 5/12/2010 | 11 | <0.050 | 26 | 0.048 | NA | NA |
| | 12/16/2010 | 180 | <0.050 | 49 | 0.20 | NA | NA |
| MW-10d | 12/09/2009 | 210 | <0.050 | 44 | 0.48 | NA | NA |
| MW-14s | 12/08/2009 | 250 | 0.26 | 23 | 0.071 | NA | NA |
| | 5/12/2010 | 46 | 0.12 | 20 | <0.020 | NA | NA |
| | 12/20/2010 | 410 | 0.24 | 26 | 0.032 | NA | NA |
| MW-17s | 12/07/2009 | 88 | <0.050 | 37 | 0.15 | NA | NA |
| | 5/12/2010 | 87 | 0.086 | 36 | <0.02 | NA | NA |
| | 12/16/2010 | 95 | <0.050 | 38 | 0.13 | NA | NA |
| MW-18s | 12/08/2009 | 140 | 1.9 | 47 | 0.44 | NA | NA |
| | 5/12/2010 | 370 | 2.0 | 47 | <0.020 | NA | NA |
| | 12/20/2010 | 180 | 2.6 | 39 | 0.030 | NA | NA |
| MW-19S | 12/08/2009 | 140 | 2.9 | 32 | 0.073 | 380 | 1.0 |
| | 5/18/2010 | 100 | 1.4 | 38 | 0.064 | NA | NA |
| | 12/20/2010 | 120 | 3.0 | 32 | <0.020 | NA | NA |
| MW-19S (DUP-01) | 5/12/2010 | 120 | <0.050 | 65 | 0.93 | NA | NA |
| MW-19d | 12/08/2009 | 150 | <0.050 | 64 | 5.0 | 320 | 1.1 |
| | 5/12/2010 | 150 | <0.050 | 64 | 1.0 | NA | NA |
| | 12/20/2010 | 140 | <0.050 | 62 | 0.98 | NA | NA |
| MW-21 | 12/08/2009 | 150 | 0.66 | 46 | 0.11 | NA | NA |
| | 5/18/2010 | 150 | 0.55 | 38 | 0.060 | NA | NA |
| | 12/22/2010 | 110 | 0.81 | 41 | 0.020 | NA | NA |
| MW-23 | 12/08/2009 | 300 | <0.050 | 63 | 4.0 | NA | NA |
| | 5/18/2010 | 260 | <0.050 | 59 | 2.4 | NA | NA |
| | 12/21/2010 | 240 | <0.050 | 60 | 0.24 | NA | NA |

Notes:

mg/L = milligrams per liter

NA = Not Analyzed

bold font denotes concentrations detected above laboratory reporting limits

Table C-2
 Summary of Monitored Natural Attenuation Parameters in Groundwater
 Tecumseh Products Company
 Tecumseh, Michigan
 First Quarter 2011

| Analyte | | Chloride | Nitrate as Nitrogen | Sulfate | Iron II | Alkalinity | Total Organic Carbon |
|---------|------------|--------------|---------------------|------------|--------------|------------|----------------------|
| Units | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| MW-24s | 12/08/2009 | 350 | 3.3 | 93 | 0.13 | 340 | 1.6 |
| | 5/12/2010 | 230 | 3.5 | 47 | 0.037 | NA | NA |
| | 12/14/2010 | 140 | 3.7 | 93 | <0.020 | NA | NA |
| MW-24d | 12/08/2009 | 1,100 | <0.050 | 110 | 6.4 | 350 | 1.3 |
| | 5/12/2010 | 1,000 | <0.050 | 100 | 2.0 | NA | NA |
| | 12/14/2010 | 1,100 | <0.050 | 110 | 1.4 | NA | NA |
| MW-27s | 5/17/2010 | 190 | 0.23 | 40 | 0.27 | NA | NA |
| | 12/20/2010 | 220 | 0.065 | 53 | 0.15 | NA | NA |
| MW-27d | 5/17/2010 | 220 | 0.59 | 62 | 0.047 | NA | NA |
| | 12/20/2010 | 240 | 0.39 | 67 | 0.13 | NA | NA |
| MW-32s | 12/28/2010 | 66 | 1.8 | 39 | 0.048 | NA | NA |
| MW-33s | 12/22/2010 | 93 | 3.7 | 7.4 | 0.95 | NA | NA |
| MW-34s | 12/28/2010 | 39 | 2.3 | 15 | <0.020 | NA | NA |

Notes:

mg/L = milligrams per liter

NA = Not Analyzed

bold font denotes concentrations detected above laboratory reporting limits

Technical Memorandum

Attachment D

Laboratory Data

March 08, 2011

RMT, Inc. - Ann Arbor Office
Attn: Ms. Stacy Metz
3754 Ranchero Drive
Ann Arbor, MI 48108-2771

Project: Tecumseh Products

Dear Ms. Stacy Metz,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

| Work Order | Received | Description |
|-------------------|-----------------|---------------------|
| 1103023 | 03/01/2011 | Laboratory Services |

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC). Any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,



Jennifer L. Rice
Project Chemist

Enclosures(s)

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products
 Client Sample ID: **MW-1s**
 Lab Sample ID: **1103023-01**
 Matrix: Water

Work Order: **1103023**
 Description: Laboratory Services
 Sampled: 02/25/11 12:06
 Sampled By: J. Jasso
 Received: 03/01/11 17:25

Total Metals by EPA 6000/7000 Series Methods

| Analyte | Analytical Result | RL | Unit | Dilution Factor | Method | Date Time Analyzed | By | QC Batch |
|------------------|-------------------|-------|------|-----------------|-------------|--------------------|-----|----------|
| Calcium | 79 | 1.0 | mg/L | 1 | USEPA-6010C | 03/04/11 09:39 | JMF | 1101508 |
| Iron | <0.20 | 0.20 | mg/L | 1 | USEPA-6010C | 03/04/11 09:39 | JMF | 1101508 |
| Magnesium | 15 | 1.0 | mg/L | 1 | USEPA-6010C | 03/04/11 09:39 | JMF | 1101508 |
| Manganese | <0.050 | 0.050 | mg/L | 1 | USEPA-6010C | 03/04/11 09:39 | JMF | 1101508 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products
 Client Sample ID: **MW-1s**
 Lab Sample ID: **1103023-01**
 Matrix: Water

Work Order: **1103023**
 Description: Laboratory Services
 Sampled: 02/25/11 12:06
 Sampled By: J. Jasso
 Received: 03/01/11 17:25

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

| Analyte | Analytical Result | RL | Unit | Dilution Factor | Method | Date Time Analyzed | By | QC Batch |
|-----------------------|-------------------|------|------|-----------------|----------------|--------------------|-----|----------|
| Carbon, Total Organic | 1.1 | 0.50 | mg/L | 1 | SM 5310 C 20th | 03/07/11 16:02 | GEH | 1101674 |

ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**
 Project: Tecumseh Products
 Client Sample ID: **MW-9s**
 Lab Sample ID: **1103023-02**
 Matrix: Water

Work Order: **1103023**
 Description: Laboratory Services
 Sampled: 02/25/11 10:53
 Sampled By: J. Jasso
 Received: 03/01/11 17:25

Total Metals by EPA 6000/7000 Series Methods

| Analyte | Analytical Result | RL | Unit | Dilution Factor | Method | Date Time Analyzed | By | QC Batch |
|------------------|-------------------|-------|------|-----------------|-------------|--------------------|-----|----------|
| Calcium | 67 | 1.0 | mg/L | 1 | USEPA-6010C | 03/04/11 09:43 | JMF | 1101508 |
| Iron | <0.20 | 0.20 | mg/L | 1 | USEPA-6010C | 03/04/11 09:43 | JMF | 1101508 |
| Magnesium | 14 | 1.0 | mg/L | 1 | USEPA-6010C | 03/04/11 09:43 | JMF | 1101508 |
| Manganese | <0.050 | 0.050 | mg/L | 1 | USEPA-6010C | 03/04/11 09:43 | JMF | 1101508 |

ANALYTICAL REPORT

| | | | |
|-------------------|-------------------------------------|--------------|---------------------|
| Client: | RMT, Inc. - Ann Arbor Office | Work Order: | 1103023 |
| Project: | Tecumseh Products | Description: | Laboratory Services |
| Client Sample ID: | MW-9s | Sampled: | 02/25/11 10:53 |
| Lab Sample ID: | 1103023-02 | Sampled By: | J. Jasso |
| Matrix: | Water | Received: | 03/01/11 17:25 |

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

| Analyte | Analytical Result | RL | Unit | Dilution Factor | Method | Date Time Analyzed | By | QC Batch |
|-----------------------|-------------------|------|------|-----------------|----------------|--------------------|-----|----------|
| Carbon, Total Organic | 1.6 | 0.50 | mg/L | 1 | SM 5310 C 20th | 03/07/11 16:10 | GEH | 1101674 |

QUALITY CONTROL REPORT
Total Metals by EPA 6000/7000 Series Methods

| QC Type | Sample Conc. | Spike Qty. | Result | Unit | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|------|--------------|----------------|-----|------------|----|

Analyte: Calcium/USEPA-6010C

| QC Batch: 1101508 (3010A Digestion) | | | | | | Analyzed: 03/04/2011 By: JMF | | | |
|-------------------------------------|--|------|-------------|------|----|------------------------------|--|----|-----|
| Method Blank | | | <1.0 | mg/L | | | | | 1.0 |
| Laboratory Control Sample | | 20.0 | 18.4 | mg/L | 92 | 80-120 | | 20 | 1.0 |

Analyte: Iron/USEPA-6010C

| QC Batch: 1101508 (3010A Digestion) | | | | | | Analyzed: 03/04/2011 By: JMF | | | |
|-------------------------------------|--|-------|--------------|------|----|------------------------------|--|----|------|
| Method Blank | | | <0.20 | mg/L | | | | | 0.20 |
| Laboratory Control Sample | | 0.400 | 0.385 | mg/L | 96 | 80-120 | | 20 | 0.20 |

Analyte: Magnesium/USEPA-6010C

| QC Batch: 1101508 (3010A Digestion) | | | | | | Analyzed: 03/04/2011 By: JMF | | | |
|-------------------------------------|--|------|-------------|------|----|------------------------------|--|----|-----|
| Method Blank | | | <1.0 | mg/L | | | | | 1.0 |
| Laboratory Control Sample | | 20.0 | 18.7 | mg/L | 94 | 80-120 | | 20 | 1.0 |

Analyte: Manganese/USEPA-6010C

| QC Batch: 1101508 (3010A Digestion) | | | | | | Analyzed: 03/04/2011 By: JMF | | | |
|-------------------------------------|--|-------|--------------|------|----|------------------------------|--|----|-------|
| Method Blank | | | <0.050 | mg/L | | | | | 0.050 |
| Laboratory Control Sample | | 0.400 | 0.377 | mg/L | 94 | 80-120 | | 20 | 0.050 |

QUALITY CONTROL REPORT
Physical/Chemical Parameters by EPA/APHA/ASTM Methods

| QC Type | Sample Conc. | Spike Qty. | Result | Unit | Spike % Rec. | Control Limits | RPD | RPD Limits | RL |
|---------|--------------|------------|--------|------|--------------|----------------|-----|------------|----|
|---------|--------------|------------|--------|------|--------------|----------------|-----|------------|----|

Analyte: Carbon, Total Organic/SM 5310 C 20th

QC Batch: 1101674 (General Inorganic Prep)

Analyzed: 03/07/2011 By: GEH

| | | | | | | | | | |
|-------------------------------------|--|------|-------------|------|-----|--------|---|----|------|
| Method Blank | | | <0.50 | mg/L | | | | | 0.50 |
| Laboratory Control Sample | | 2.00 | 2.05 | mg/L | 103 | 84-118 | | | 0.50 |
| Laboratory Control Sample Duplicate | | | 2.03 | mg/L | | | 1 | 20 | 0.50 |

STATEMENT OF DATA QUALIFICATIONS

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



5560 Corporate Exchange Court SE Grand Rapids, MI 49512
 Phone (616) 975-4500 Fax (616) 942-7463
 www.trimatrixlabs.com

Chain of Custody Record

COC No. **130740**

Analyses Requested

Page 1 of 1

For Lab Use Only

Client Name: **RMT Inc**
 Project Name: **TPC**

Address: **3754 Ranchero Dr**
 Client Project No./P.O. No.: **02951.16**

Project Chemist: **STJR**
 Invoice No.: Client
 Other (comments)

Laboratory Project No.: **1103023**
 Contact/Report To: **Stacy Metz**

Phone: **734 971 4080**

| Container Type (corresponds to Container Packing List) | Number of Containers Submitted | Total | Sample Comments |
|--|--------------------------------|-------|-----------------|
| Total Metal | | | |
| TOC | | | |

| Test Matrix Group Code | Laboratory Sample Number | Sample ID | Cooler ID | Sample Date | Sample Time | C G M P | X K B | Matrix | Total | Sample Comments |
|------------------------|--------------------------|-----------|-----------|-------------|-------------|------------------|-------------|--------|-------|-----------------|
| 06 | 01 | NW-15 | 2420 | 7/25/14 | 1204 | | | SW 13 | 4 | |
| 06 | 02 | NW-95 | ↓ | ↓ | 1053 | | | ↓ 13 | 4 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Sampled By (print): **Javier Jasso**

Sampler Signature: *Javier Jasso* Stacy Metz
 Company: **RMT** for J. Jasso

How Shipped? Hand Carrier Tracking No. _____

1. Requisitioned By: **Javier Jasso** Date: **7/25/14** Time: **16:00**

1. Received By: *[Signature]* Date: **3-1-11** Time: **13:25**

2. Requisitioned By: _____ Date: _____ Time: _____

2. Received By: _____ Date: _____ Time: _____

3. Requisitioned By: _____ Date: _____ Time: _____

3. Received By: *[Signature]* Date: **3-1-11** Time: **17:25**

Comments: **Level 2 Report** **Fe Ca Pd** **Mg Mn** **(GMA)**

SAMPLE RECEIVING / LOG-IN CHECKLIST



| | |
|--|------------------------------|
| Client: <u>RMT, INC.</u> | Work Order #: <u>1103023</u> |
| Receipt Record Page/Line #: <u>35-19</u> | New / Add To: _____ |
| Project Chemist: _____ | Sample #: _____ |

| | | | |
|---|---|------------------------|--|
| Recorded by (Initials/Date): <u>DN 3/1/11</u> | <input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other: _____ | Qty Received: <u>1</u> | <input checked="" type="checkbox"/> IR Gun (#202) Thermometer Used <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> See Additional Cooler Information Form <input type="checkbox"/> Other (# _____) |
|---|---|------------------------|--|

| Cooler # | Time | Cooler # | Time | Cooler # | Time | Cooler # | Time | |
|--|----------------------|---|---|---|-----------|---|----------------------|-----------|
| <u>1192570</u> | <u>18:58</u> | | | | | | | |
| Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact | | |
| Coolant Location: <input checked="" type="checkbox"/> Dispersed / Top / Middle / Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / Top / Middle / Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / Top / Middle / Bottom | | Coolant Location: <input type="checkbox"/> Dispersed / Top / Middle / Bottom | | |
| Coolant/Temperature Taken Via: <input checked="" type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers | | |
| Alternate Temperature Taken Via: <input checked="" type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container | | |
| Recorded °C | Correction Factor °C | Actual °C | Recorded °C | Correction Factor °C | Actual °C | Recorded °C | Correction Factor °C | Actual °C |
| Temp Blank: | <u>0</u> | <u>2.3</u> | Temp Blank: | | | Temp Blank: | | |
| TB location: Representative / Not Representative | | | TB location: Representative / Not Representative | | | TB location: Representative / Not Representative | | |
| 1 | <u>2.9</u> | <u>0</u> | 2.9 | | | 1 | | |
| 2 | <u>3.4</u> | <u>0</u> | 3.4 | | | 2 | | |
| 3 | <u>4.6</u> | <u>0</u> | 4.6 | | | 3 | | |
| Average °C | | | Average °C | | | Average °C | | |
| <input checked="" type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received? | | | <input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received? | | | <input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received? | | |

If any shaded areas checked, complete Sample Receiving Non-Conformance Form

Paperwork Received No COC Received

| | | | |
|-----|-------------------------------------|--------------------------|--|
| N/A | Yes | No | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Chain of Custody record(s)? |
| | <input type="checkbox"/> | <input type="checkbox"/> | if No, COC Initiated By _____ |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Rec'd for Lab Signed/Date/Time? |
| | <input type="checkbox"/> | <input type="checkbox"/> | Shipping document? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other _____ |

COC ID #s

TriMatrix 130740

Other (Name or ID#) _____

Check COC for Accuracy No analysis requested

| | | |
|-------------------------------------|-------------------------------------|---|
| Yes | No | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> Sample ID matches COC? |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Sample Date and Time matches COC? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Container type completed on COC? |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | All container types indicated are received? |

Sample Condition Summary Non-TriMatrix containers, see Notes

| | | | |
|-----|-------------------------------------|--------------------------|---|
| N/A | Yes | No | |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Broken containers/lids? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Missing or incomplete labels? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Illegible information on labels? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Low volume received? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Inappropriate containers received? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> VOC vials / TOX containers have headspace? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> Extra sample locations / containers not listed on COC? |

Check Sample Preservation

| | | | |
|-----|-------------------------------------|-------------------------------------|---|
| N/A | Yes | No | |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> Average sample temperature ≤6° C? |
| | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Completed Sample Preservation Verification Form? |
| | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | Samples preserved correctly? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | if "No", added orange tag? |
| | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Received pre-preserved VOC soils? |
| | | <input type="checkbox"/> | MeOH |
| | | <input type="checkbox"/> | Na ₂ SO ₄ |

Check for Short Hold-Time Prep/Analyses

Bacteriological

Air Bags

EnCores / Methanol Pre-Preserved

Formaldehyde/Aldehyde

Green-tagged containers

Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:

COPIES OF COC TO LAB AREA(S)

NONE RECEIVED

RECEIVED, COCs TO LAB(S)

Notes

Trip Blank received Trip Blank not listed on COC

No COC received, Proj. Chemist reviewed (Init/Date) _____

No analysis requested, Proj. Chemist completed (Init/Date) _____

| | | |
|-----------------------------|---------------------------------|-------------------|
| Cooler Received (Date/Time) | Paperwork Delivered (Date/Time) | ≤1 Hour Goal Met? |
| <u>DN 3/1/11</u> | <u>DN 3/1/11</u> | Yes / No |

| | |
|--|--------------------------------|
| Client <u>RMT, TACO</u> | Work Order # <u>1103023</u> |
| Receipt Log # <u>35-19</u> | Project Chemist <u>JLR</u> |
| Completed By (initials/date) <u>JN 3/1/11</u> | |

| | | | | | | | | | | | |
|---------------------------|----------|--------------------------------|--------------------------------|-----------------------------------|------------------|------------------|--|--|--|--|--|
| COC ID # <u>130740</u> | | | | Adjusted by: _____ Date: _____ | | | | DO NOT ADJUST pH FOR THESE CONTAINER TYPES | | | |
| Container Type | 5 | 4 | 13 | 3 | 6 | 15 | | | | | |
| Tag Color | Lt. Blue | Blue | Brown | Green | Red | Red Stripe | | | | | |
| Preservative | NaOH | H ₂ SO ₄ | H ₂ SO ₄ | None | HNO ₃ | HNO ₃ | | | | | |
| Expected pH | >12 | <2 | <2 | 6-8 | <2 | <2 | | | | | |
| COC Line #1 | | | | | | | | | | | |
| COC Line #2 | | | | | | | | | | | |
| COC Line #3 | | | | | | | | | | | |
| COC Line #4 | | | | | | | | | | | |
| COC Line #5 | | | | | | | | | | | |
| COC Line #6 | | | | | | | | | | | |
| COC Line #7 | | | | | | | | | | | |
| COC Line #8 | | | | | | | | | | | |
| COC Line #9 | | | | | | | | | | | |
| COC Line #10 | | | | | | | | | | | |
| Comments | | | | | | | | | | | |

| |
|---|
| Ph Strip Lot # <input checked="" type="checkbox"/> <u>HC075211</u> <input type="checkbox"/> |
|---|

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

| | | | | | | | | | | | |
|----------------|----------|--------------------------------|--------------------------------|-----------------------------------|------------------|------------------|--|--|--|--|--|
| COC ID # | | | | Adjusted by: _____ Date: _____ | | | | DO NOT ADJUST pH FOR THESE CONTAINER TYPES | | | |
| Container Type | 5 | 4 | 13 | 3 | 6 | 15 | | | | | |
| Tag Color | Lt. Blue | Blue | Brown | Green | Red | Red Stripe | | | | | |
| Preservative | NaOH | H ₂ SO ₄ | H ₂ SO ₄ | None | HNO ₃ | HNO ₃ | | | | | |
| Expected pH | >12 | <2 | <2 | -7 | <2 | <2 | | | | | |
| COC Line #1 | | | | | | | | | | | |
| COC Line #2 | | | | | | | | | | | |
| COC Line #3 | | | | | | | | | | | |
| COC Line #4 | | | | | | | | | | | |
| COC Line #5 | | | | | | | | | | | |
| COC Line #6 | | | | | | | | | | | |
| COC Line #7 | | | | | | | | | | | |
| COC Line #8 | | | | | | | | | | | |
| COC Line #9 | | | | | | | | | | | |
| COC Line #10 | | | | | | | | | | | |
| Comments | | | | | | | | | | | |

| Container Size (mL) | Original Vol. of Preservative (mL) |
|---------------------|------------------------------------|
| Container Type 5 | NaOH |
| 500 | 2.5 |
| 1000 | 5.0 |
| Container Type 4 | H ₂ SO ₄ |
| 125 | 0.5 |
| 250 | 1.0 |
| 500 | 2.0 |
| 1000 | 4.0 |
| Container Type 13 | H ₂ SO ₄ |
| 500 | 2.5 |

Technical Memorandum

Attachment E

Hydraulic Conductivity Data

Table E-1
 Summary of Single Well Response Test Results
 Former Tecumseh Products Company Site
 Tecumseh, Michigan

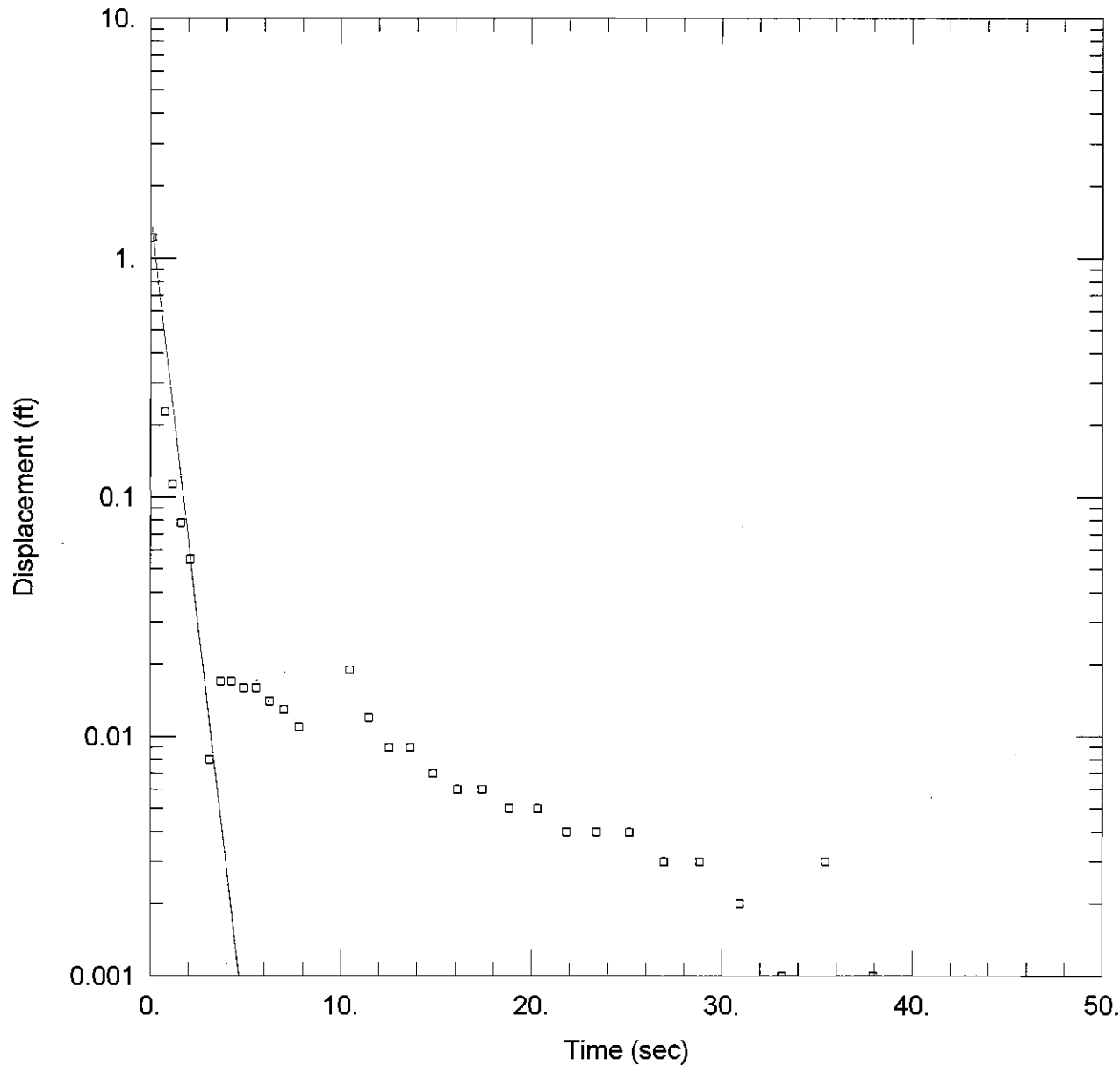
| Monitoring Well ID | Screened Interval Lithology | Test Type | Individual | | Average | |
|--------------------|-----------------------------|-----------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | | | Hydraulic Conductivity (ft/day) | Hydraulic Conductivity (cm/sec) | Hydraulic Conductivity (ft/day) | Hydraulic Conductivity (cm/sec) |
| MW-01s | Well Graded Sand | SLUG IN | 190.50 | 0.0672 | 1.38E+02 | 4.86E-02 |
| | | SLUG OUT | 84.80 | 0.0299 | | |
| MW-09s | Poorly Graded Sand | SLUG IN | 120.00 | 0.0423 | 1.07E+02 | 3.78E-02 |
| | | SLUG OUT | 94.06 | 0.0332 | | |
| MW-20s | Well Graded Sand | SLUG IN | 96.32 | 0.0340 | 1.41E+02 | 4.99E-02 |
| | | SLUG OUT | 186.40 | 0.0658 | | |
| PRB-01 | Well Graded Sand | SLUG IN | 88.94 | 0.0314 | 7.52E+01 | 2.65E-02 |
| | | SLUG OUT | 61.47 | 0.0217 | | |

Minimum Hydraulic Conductivity
 Maximum Hydraulic Conductivity
 Average Hydraulic Conductivity

| | |
|----------|----------|
| 7.52E+01 | 2.65E-02 |
| 1.41E+02 | 4.99E-02 |
| 1.15E+02 | 4.07E-02 |

Notes

Bouwer-Rice method used to calculate hydraulic conductivity values.



MW-1S FALLING HEAD

Data Set: P:\...MW-1 Falling Head_F
 Date: 03/21/11 Time: 13:19:36

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: MW-1s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bowser-Rice
 $K = 190.5$ ft/day
 $y_0 = 1.526$ ft

AQUIFER DATA

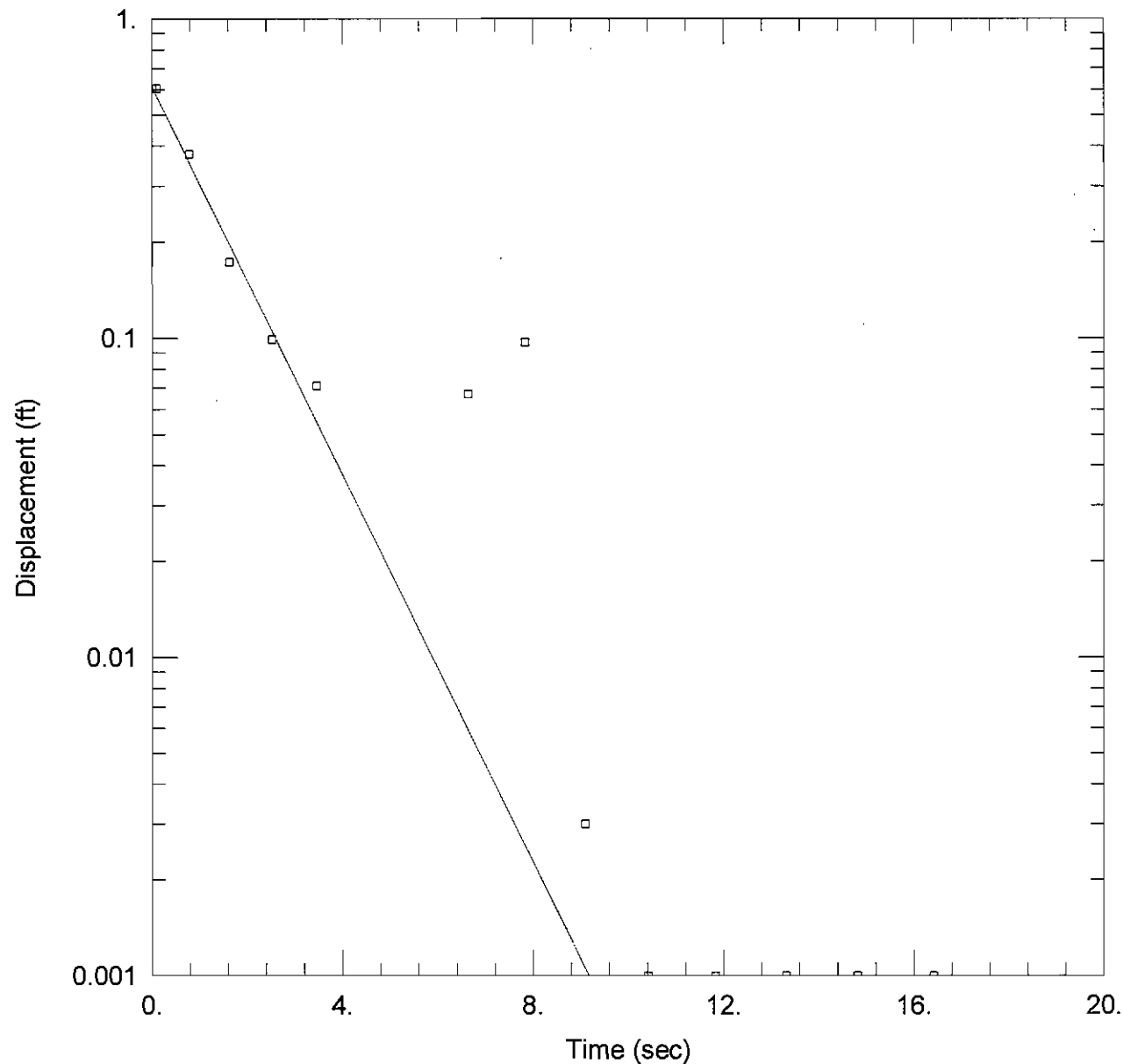
Saturated Thickness: 39. ft

Anisotropy Ratio (K_z/K_r): 0.1

WELL DATA (MW-1s)

Initial Displacement: 1.221 ft
 Total Well Penetration Depth: 2.81 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 2.81 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft
 Gravel Pack Porosifv: 0



MW-1S RISING HEAD

Data Set: P:\...MW-1 Rising Head_Fi
 Date: 03/21/11 Time: 13:19:59

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: MW-1s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 84.8 ft/day
 y0 = 0.6133 ft

AQUIFER DATA

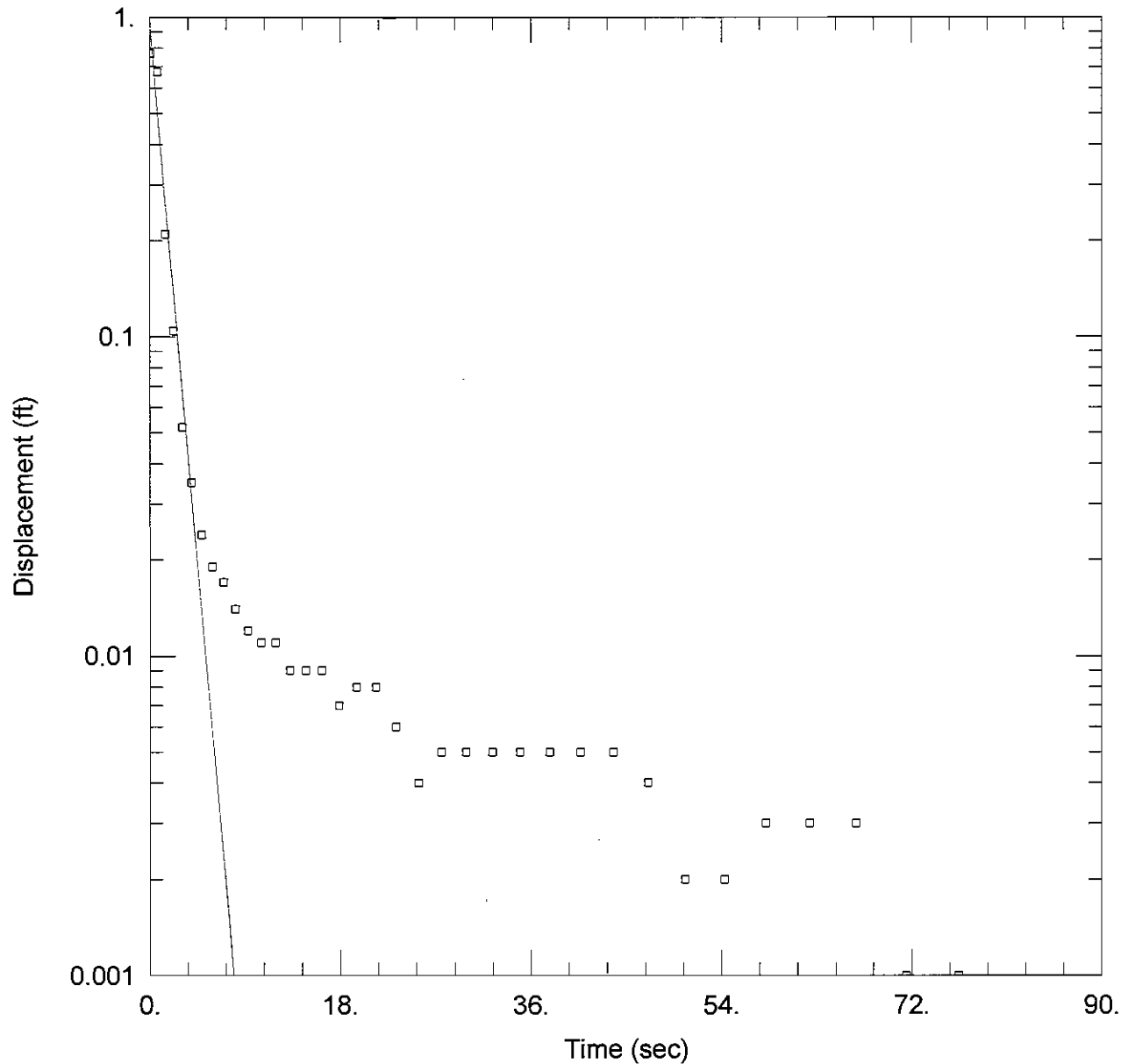
Saturated Thickness: 39. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW-1s)

Initial Displacement: 0.605 ft
 Total Well Penetration Depth: 2.81 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 2.81 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft
 Gravel Pack Porosity: 0



MW-9S FALLING HEAD

Data Set: P:\...MW-9 Falling Head_F
 Date: 03/21/11 Time: 13:20:19

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: MW-9s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 120$ ft/day
 $y_0 = 0.9276$ ft

AQUIFER DATA

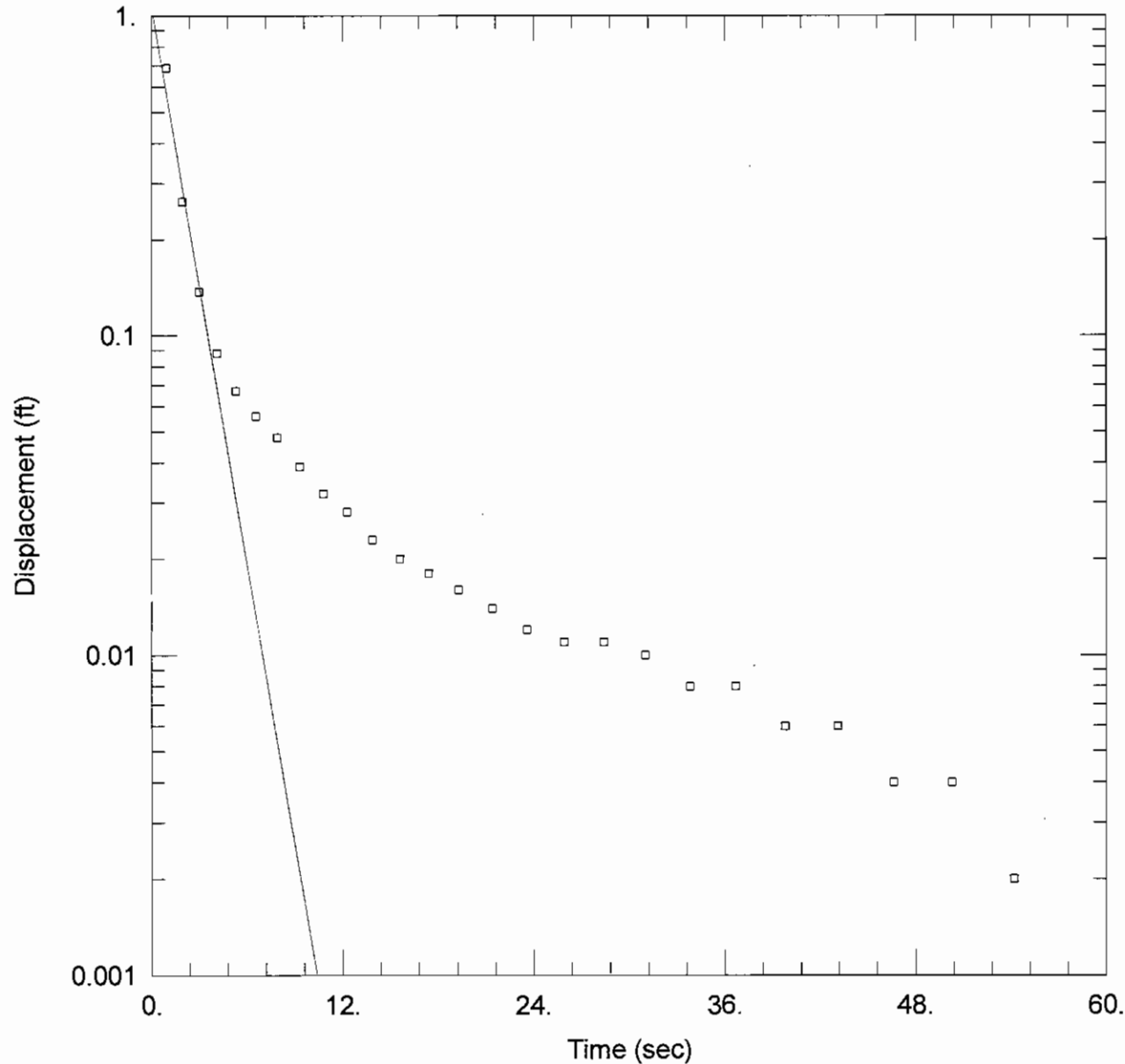
Saturated Thickness: 39 ft

Anisotropy Ratio (K_z/K_r): 0.1

WELL DATA (MW-9s)

Initial Displacement: 0.769 ft
 Total Well Penetration Depth: 5.8 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 5.8 ft
 Screen Length: 5 ft
 Wellbore Radius: 0.33 ft



MW-9S RISING HEAD

Data Set: P:\...MW-9 Rising Head_Fi
 Date: 03/21/11 Time: 13:20:45

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: MW-9s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 94.06 ft/day
 y0 = 1.087 ft

AQUIFER DATA

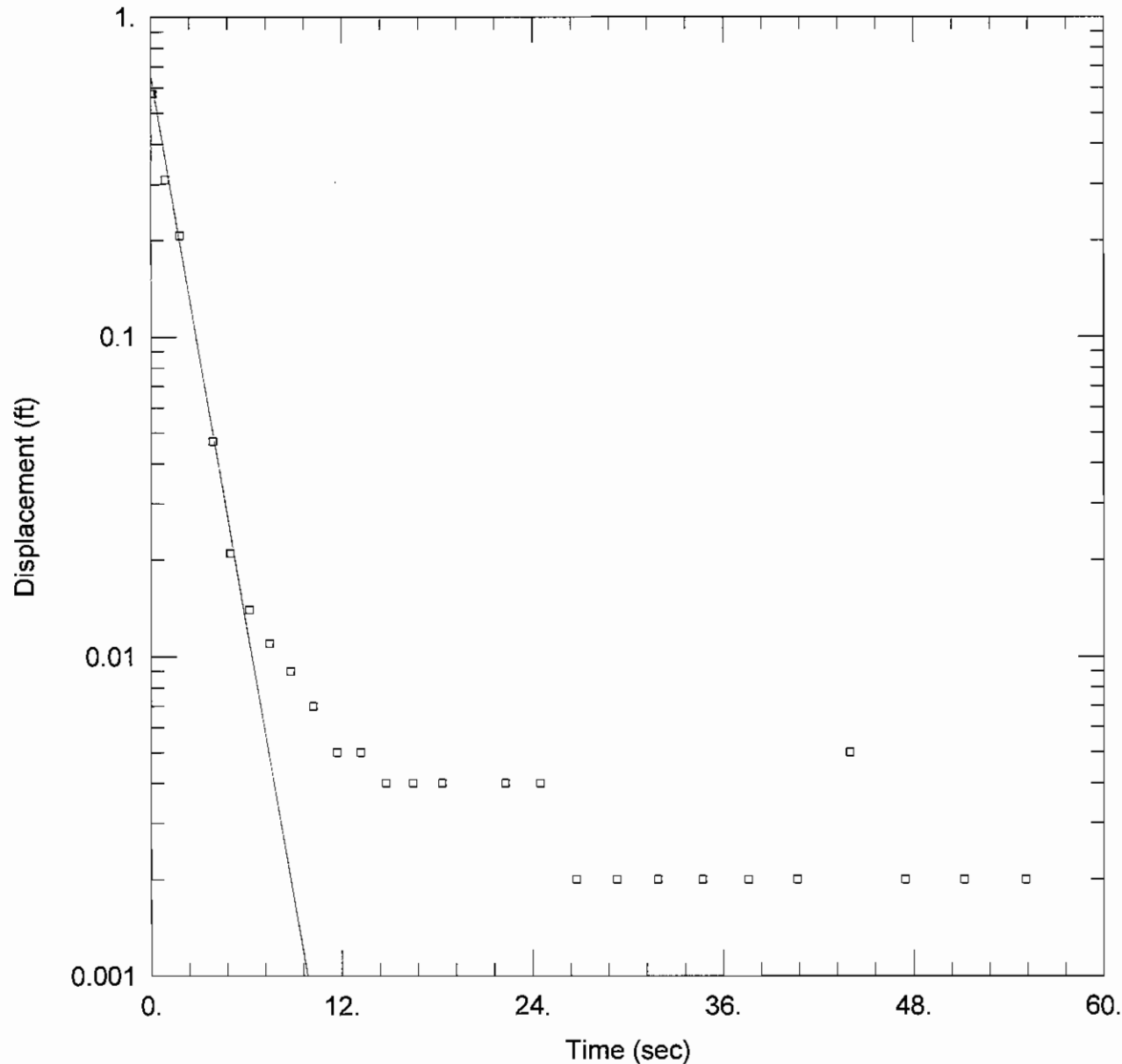
Saturated Thickness: 39. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW-9s)

Initial Displacement: 1.649 ft
 Total Well Penetration Depth: 5.8 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 5.8 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft



MW-20S FALLING HEAD

Data Set: P:\...MW-20s Falling Head
 Date: 03/21/11 Time: 13:16:23

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, MI
 Test Well: MW-20s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bowser-Rice
 K = 96.32 ft/day
 y0 = 0.652 ft

AQUIFER DATA

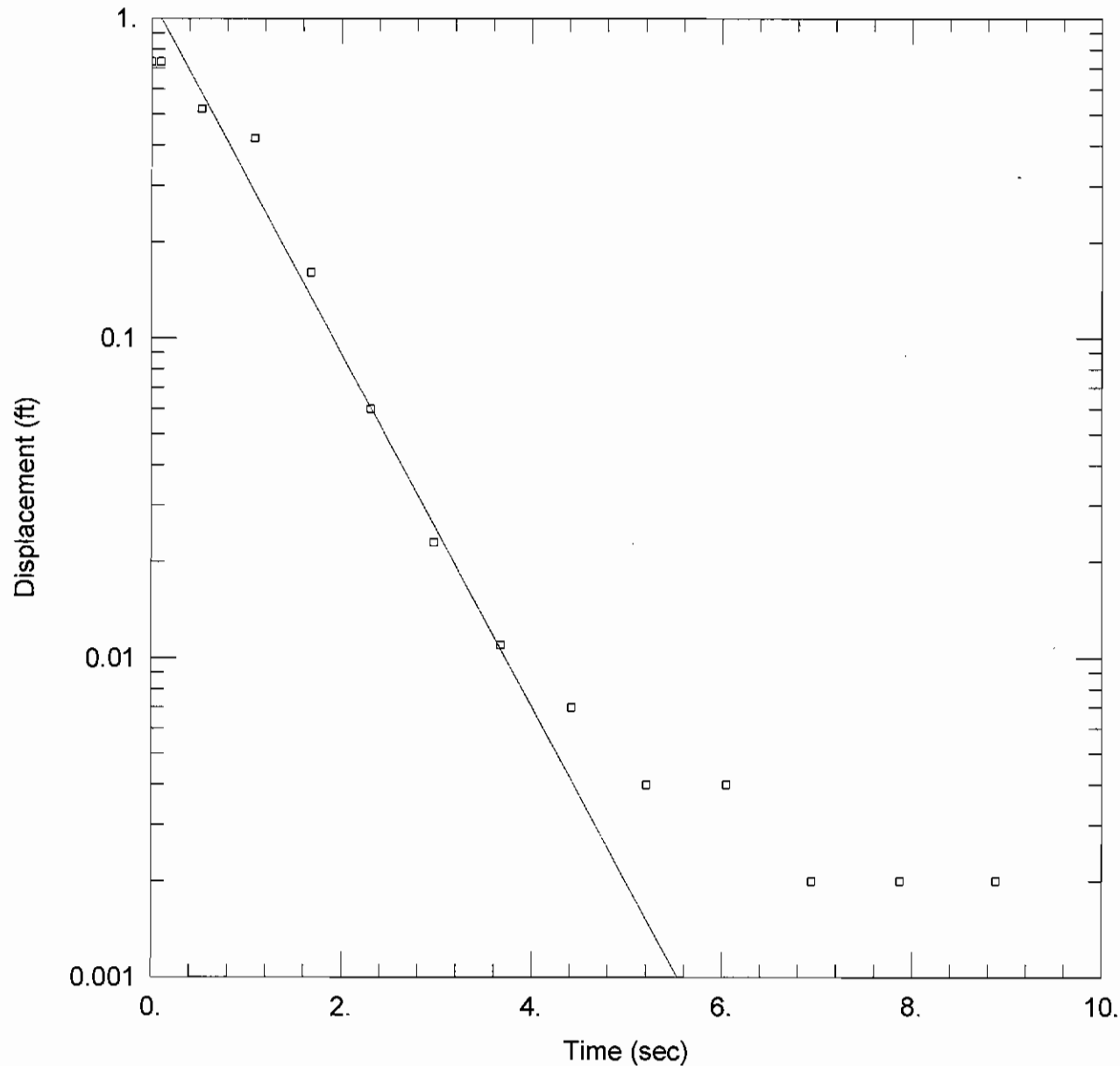
Saturated Thickness: 39. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW-20s)

Initial Displacement: 0.576 ft
 Total Well Penetration Depth: 7.53 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 7.53 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft



MW-20S RISING HEAD

Data Set: P:\...\MW-20s Rising Head
 Date: 03/21/11 Time: 13:16:37

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: MW-20s
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 $K = 186.4$ ft/day
 $y_0 = 1.143$ ft

AQUIFER DATA

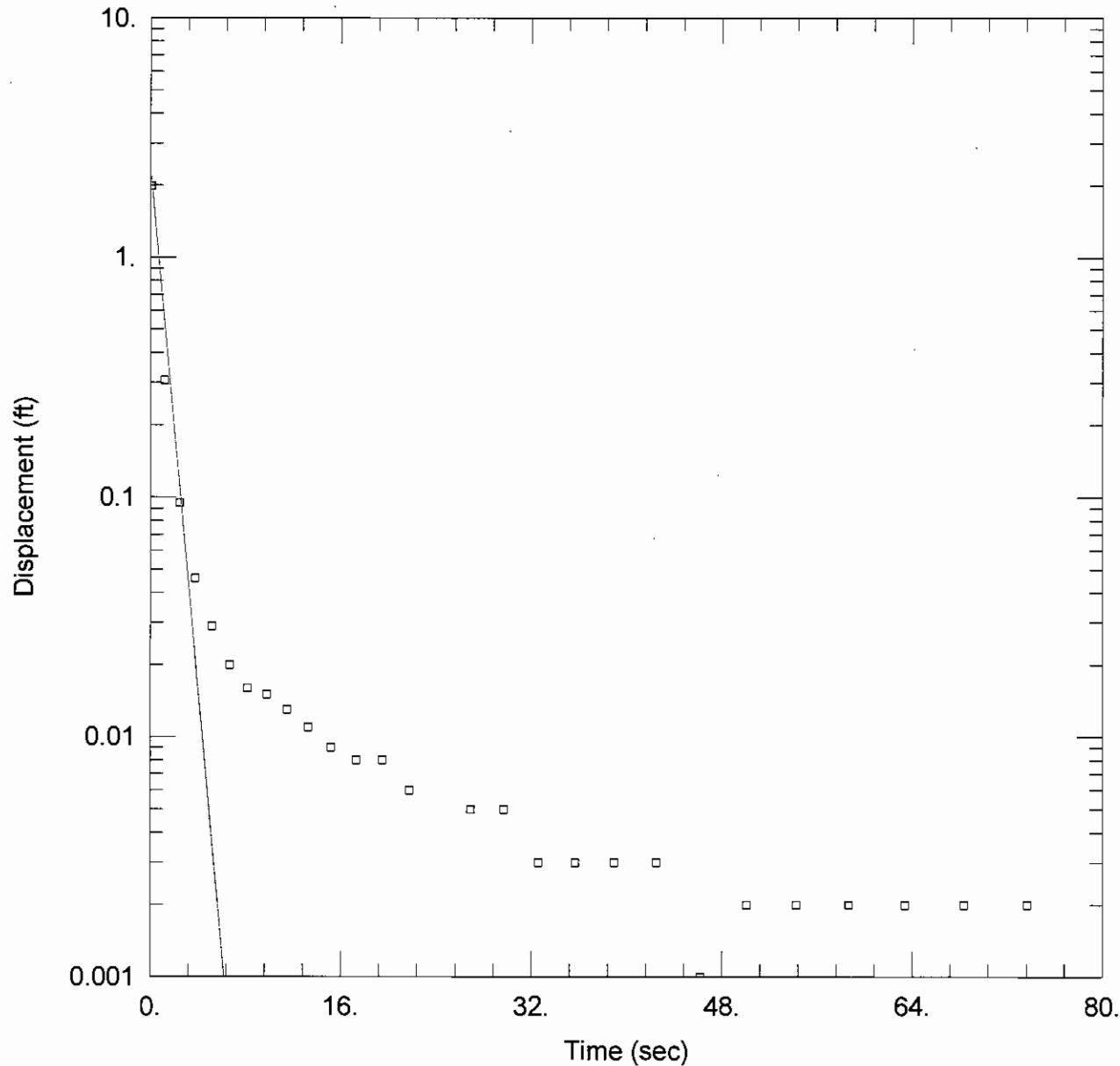
Saturated Thickness: 39. ft

Anisotropy Ratio (K_z/K_r): 0.1

WELL DATA (MW-20s)

Initial Displacement: 0.732 ft
 Total Well Penetration Depth: 7.53 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 7.53 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft



PRB-1 FALLING HEAD

Data Set: P:\...\PRB-1 Falling Head_F
 Date: 03/21/11 Time: 13:16:48

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: PRB-1
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 88.94 ft/day
 y0 = 2.417 ft

AQUIFER DATA

Saturated Thickness: 39. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (PRB-1)

Initial Displacement: 1.992 ft

Total Well Penetration Depth: 0.56 ft

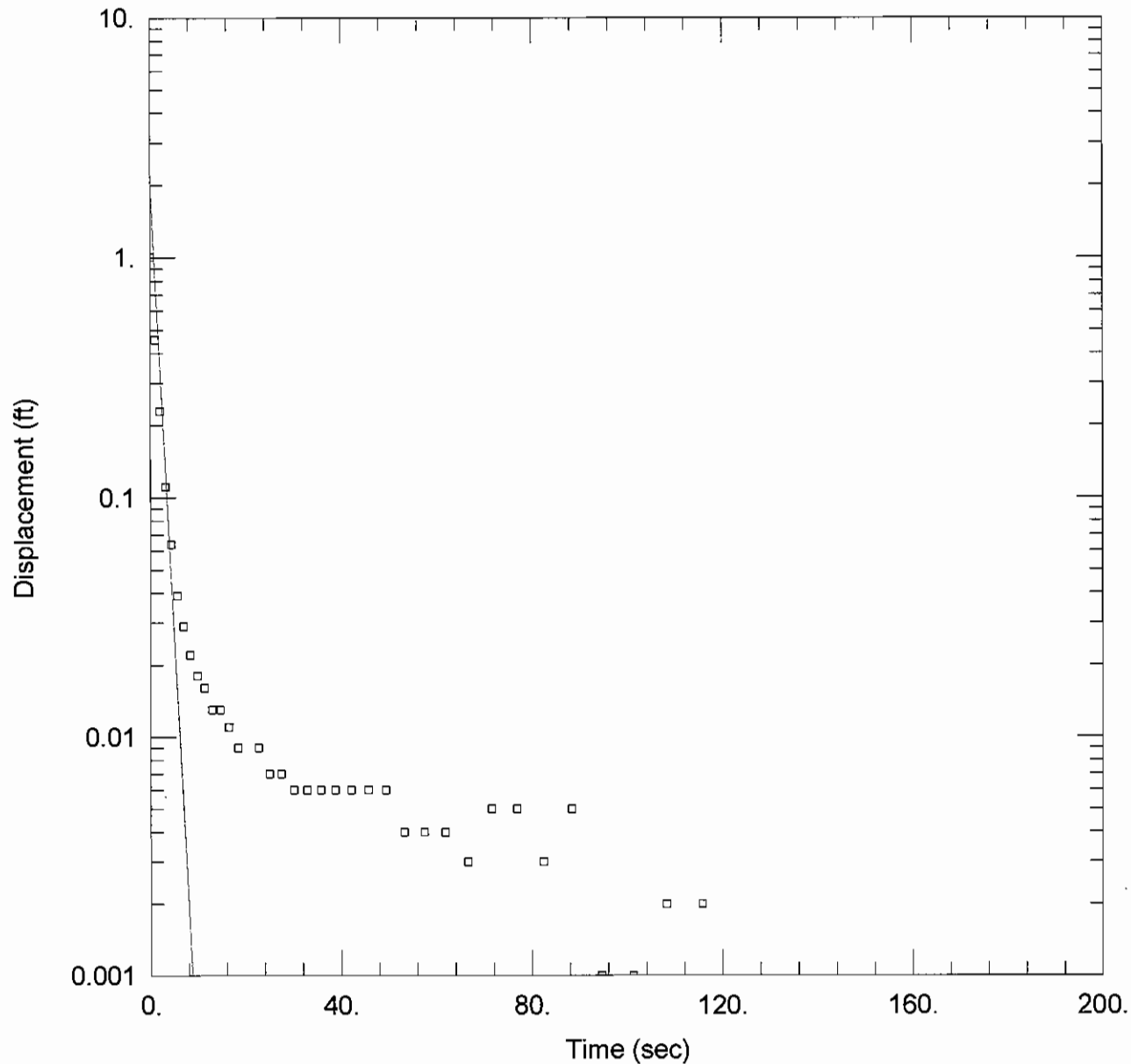
Casing Radius: 0.08 ft

Static Water Column Height: 0.56 ft

Screen Length: 5. ft

Wellbore Radius: 0.33 ft

Gravel Pack Porosity: 0



PRB-1 RISING HEAD

Data Set: P:\...\PRB-1 Rising Head_F
 Date: 03/21/11 Time: 13:16:58

PROJECT INFORMATION

Company: RMT, Inc
 Client: Tecumseh Products Company
 Project: 02751.16.001
 Location: Tecumseh, Michigan
 Test Well: PRB-1
 Test Date: 3/1/2011

SOLUTION

Aquifer Model: Unconfined
 Solution Method: Bouwer-Rice
 K = 61.47 ft/day
 y0 = 2.034 ft

AQUIFER DATA

Saturated Thickness: 39. ft

Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (OW 1)

Initial Displacement: 1.009 ft
 Total Well Penetration Depth: 0.56 ft
 Casing Radius: 0.08 ft

Static Water Column Height: 0.56 ft
 Screen Length: 5. ft
 Wellbore Radius: 0.33 ft
 Gravel Pack Porosity: 0