RMT

Technical Memorandum

Date: March 30, 2011

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Project No.: 02751.16

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

Project Objective

This Workplan to Install a Permeable Reactive Barrier (PRB) Downgradient of the Southern Source Area (Workplan) at the former Tecumseh Products Company (TPC) site located at 100 East Patterson Street, Tecumseh, Michigan 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 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, with lesser amounts of dipotassium phosphate (buffer and micronutrients) and fatty acids. The ABC®+ also provides an essential carbon 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. ABC®+ contains various fatty acids, a phosphate buffer, soluble lactic acid, as well as slow- and long-term releasing components. The phosphate buffer provides the microbes with phosphate, an essential micronutrient for bioremediation to occur. In addition, the 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 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 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: 10 ft

— Number of points: 3 points in two offset rows

— Dosing rate: 2 to 3 pounds of ABC+ per gallon of slurry injected

— Volume injected: 240 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®+ (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: 20 ft (10-ft radius of influence)

— Number of points: 51 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 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: 20 ft (10-ft radius of influence)
  - Number of points: 28 points in two offset rows
  - Dosing rate: 1.5 to 2 pounds of ABC+ per gallon of slurry injected
  - Volume injected: 480 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: 20 ft (10-ft radius of influence)
  - Number of points: 10 points in two offset rows
  - Dosing rate: 1 pounds of ABC+ per gallon of slurry injected
  - Volume injected: 240 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 tentatively scheduled to begin April 26, 2011. No permits are required for this work. A groundwater discharge permit exemption for *in situ* remediation from the Michigan Department of Environmental Quality (MDEQ) is required prior to installation of the injected portion of the barrier. RMT is in the process of applying for an exemption from the MDEQ. The MDEQ review process is expected to take approximately 60 days. The injected portion will be installed as soon as feasible following MDEQ approval. USEPA support of the permit exemption would help facilitate timely installation of the barrier.

Performance Monitoring Plan

RMT will initiate a groundwater performance monitoring plan for each section of the PRB following installation.

Performance Monitoring Network

The performance monitoring network will include one well upgradient of the PRB, one well located within the PRB, and one well downgradient of the PRB for each of the two PRB sections. 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;
- Wells within the PRB will be used to monitor VOC concentrations in groundwater undergoing treatment; and
- Downgradient wells will be used to monitor PRB effluent VOC concentrations.

Three to six 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-xx. The variable xx will be filled with the number of the PRB monitoring point.

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 six monitoring points;

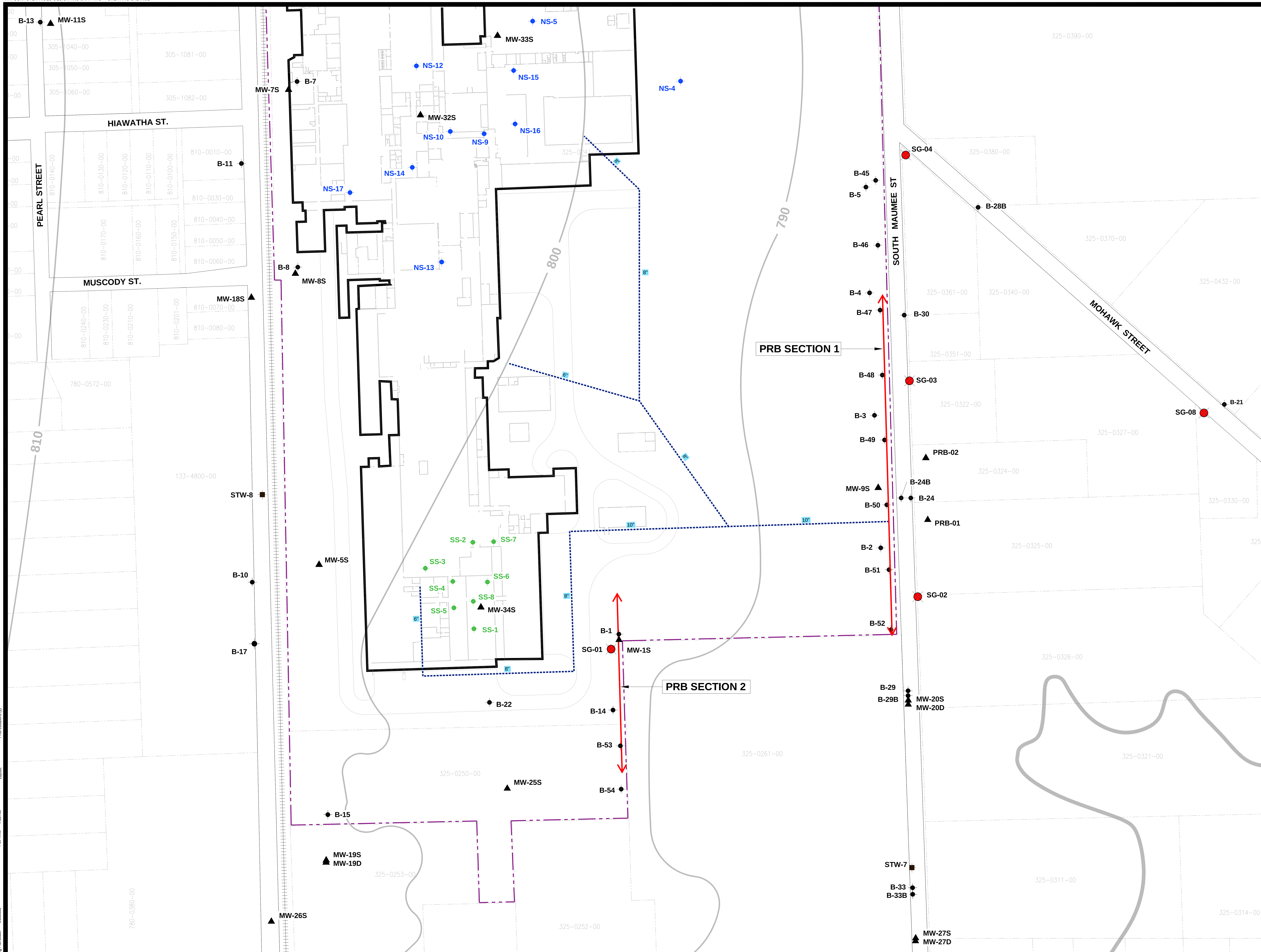
- Collection groundwater samples at each of the six monitoring points. The following field parameters will be monitored to assess groundwater stability prior to sampling: pH, conductivity, turbidity and temperature. Low-flow (*i.e.* bladder pump) sampling techniques are not required.
- Analysis of each 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.

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.

Figures



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

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.

0 100' 200' 300' 400'
SCALE IN FEET

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

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

PROPOSED PRB LOCATIONS

DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	PROJECT NO: J:\02751\16	
CHECKED BY: SEM		FILE NO: 02751.16.03.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 1	
DATE: March 2011			

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Ann Arbor, MI 48108-2237
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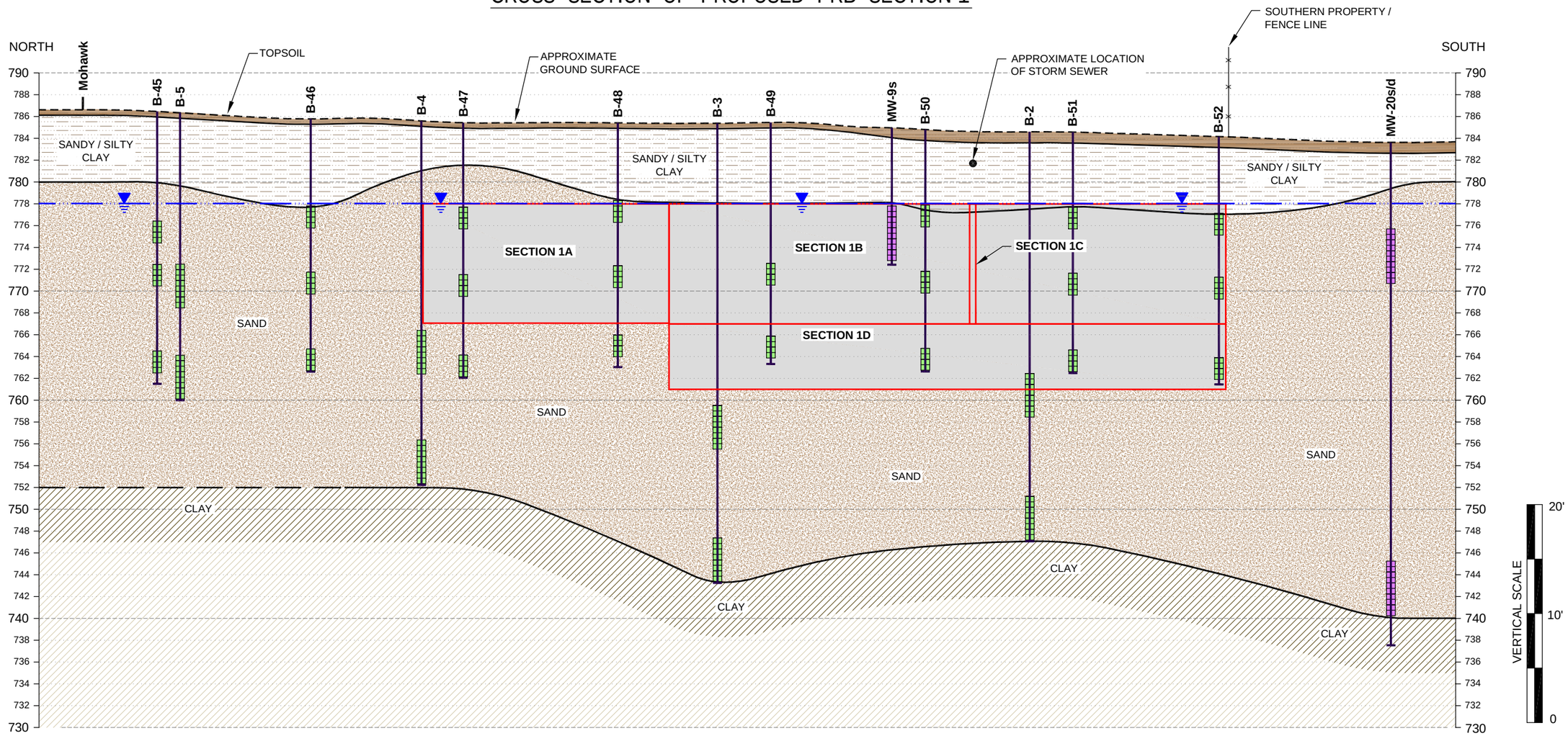
CROSS SECTION OF PROPOSED PRB SECTION 1



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

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

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

CROSS SECTION OF PROPOSED PRB SECTION 1

DRAWN BY:	SJL	PROJECT NUMBER:	J:\02751\16
CHECKED BY:	SEM	FILE NUMBER:	02751.16.04-05.dwg
APPROVED BY:	GC	DATE:	March 2011

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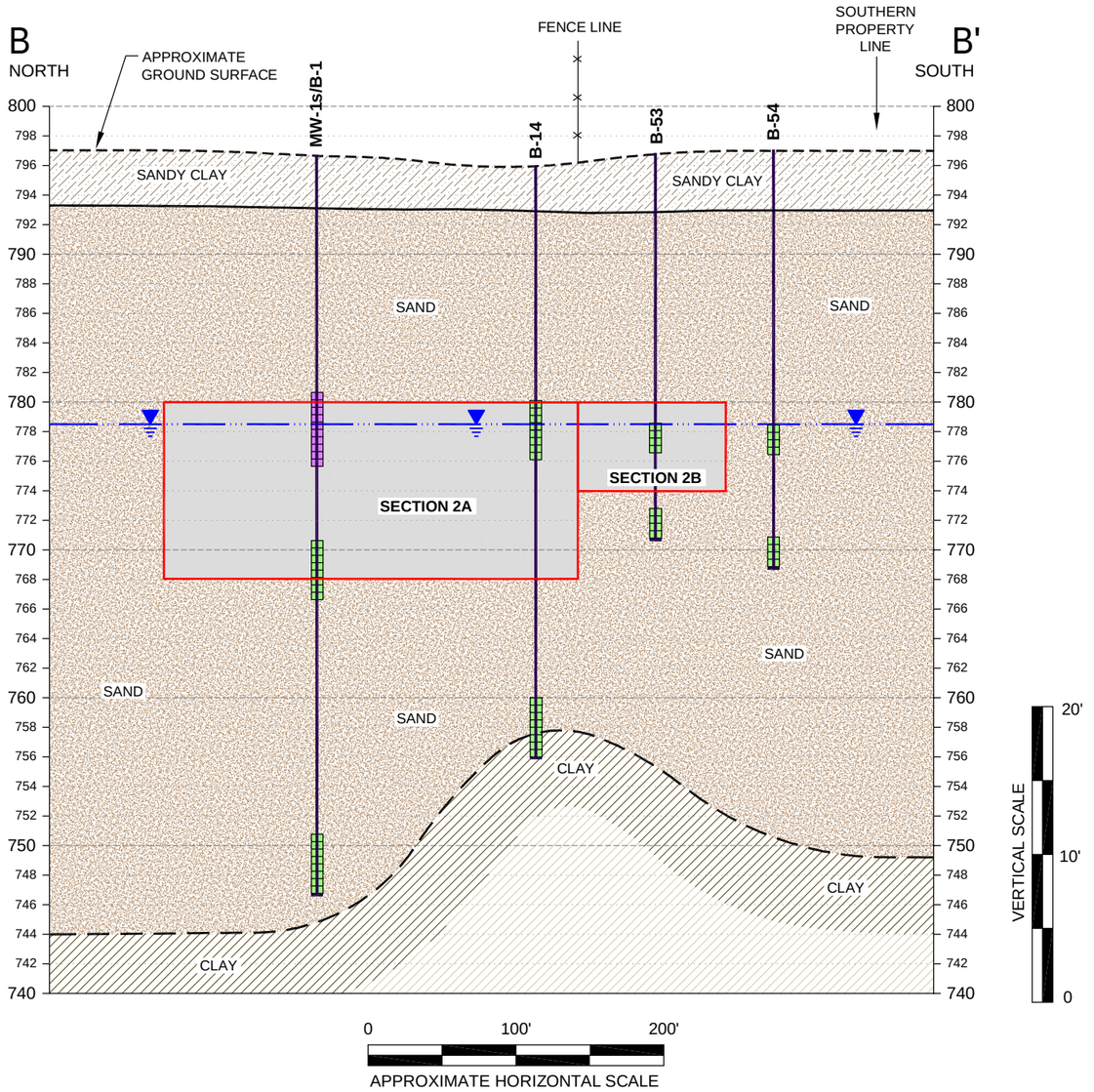
FIGURE 2

CROSS SECTION OF PROPOSED PRB SECTION 2



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

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

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

CROSS SECTION OF PROPOSED PRB SECTION 2

DRAWN BY:	SJL	PROJECT NUMBER:	J:\02751\16
CHECKED BY:	SEM	FILE NUMBER:	02751.16.04-05.dwg
APPROVED BY:	GC	DATE:	March 2011

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FIGURE 3

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

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-dichlorethene (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

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 it 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.

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-ls.
- 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).

- 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.

Tables

Table 1
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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.

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Bold font denotes concentrations detected above laboratory reporting limits

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.

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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
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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
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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
	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

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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	<60
	4/20/2009	<100	<100	<100	<100	<100	<100	<100	**220**	<100	**2,100**	NA	<100	<300
	12/09/2009	<20	<20	<20	<20	<20	<20	<20	**150**	<20	**2,400**	<20	<20	<60
	3/18/2010	<20	<20	<20	<20	<20	<20	<20	**120**	<20	**1,500**	<20	<20	<60
	5/18/2010	<20	<20	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20	<60
	9/8/2010	<20	<20	<20	<20	<20	<20	<20	**120**	<20	**1,700**	<20	<20	<60
	2/25/2011	<10	<10	<10	<10	<10	<10	<10	**84**	<10	**1,100**	<10	<10	<30
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	<3.0
	1/13/2010	**50**	<1.0	**3.5**	**9.0**	<1.0	<1.0	<1.0	**170**	<1.0	**70**	**2.8**	<1.0	<3.0
	3/17/2010	**51**	<1.0	**3.8**	**9.4**	<1.0	<1.0	<1.0	**160**	<1.0	**64**	**3.2**	<1.0	<3.0
	5/18/2010	**58**	<2.0	**5.1**	**12**	<2.0	<2.0	<2.0	**210**	<2.0	**94**	**3.4**	<2.0	<6.0
	9/9/2010	**34**	<2.0	**4.2**	**10**	<2.0	<2.0	<2.0	**230**	<2.0	**110**	**3.8**	<2.0	<6.0
	12/21/2010	**24**	<2.0	**3.6**	**6.1**	<2.0	<2.0	<2.0	**200**	<2.0	**89**	**3.6**	<2.0	<6.0
	2/18/2011	**19**	<2.0	**3.3**	**5.5**	<2.0	<2.0	<2.0	**190**	<2.0	**93**	**3.5**	<2.0	<6.0
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**	<3.0
	1/13/2010	<1.0	<1.0	<1.0	**94**	**2.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**	<3.0
	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**	<3.0
	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**	<3.0
	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	<3.0
	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**	<3.0
	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**	<6.0
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**	<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

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:

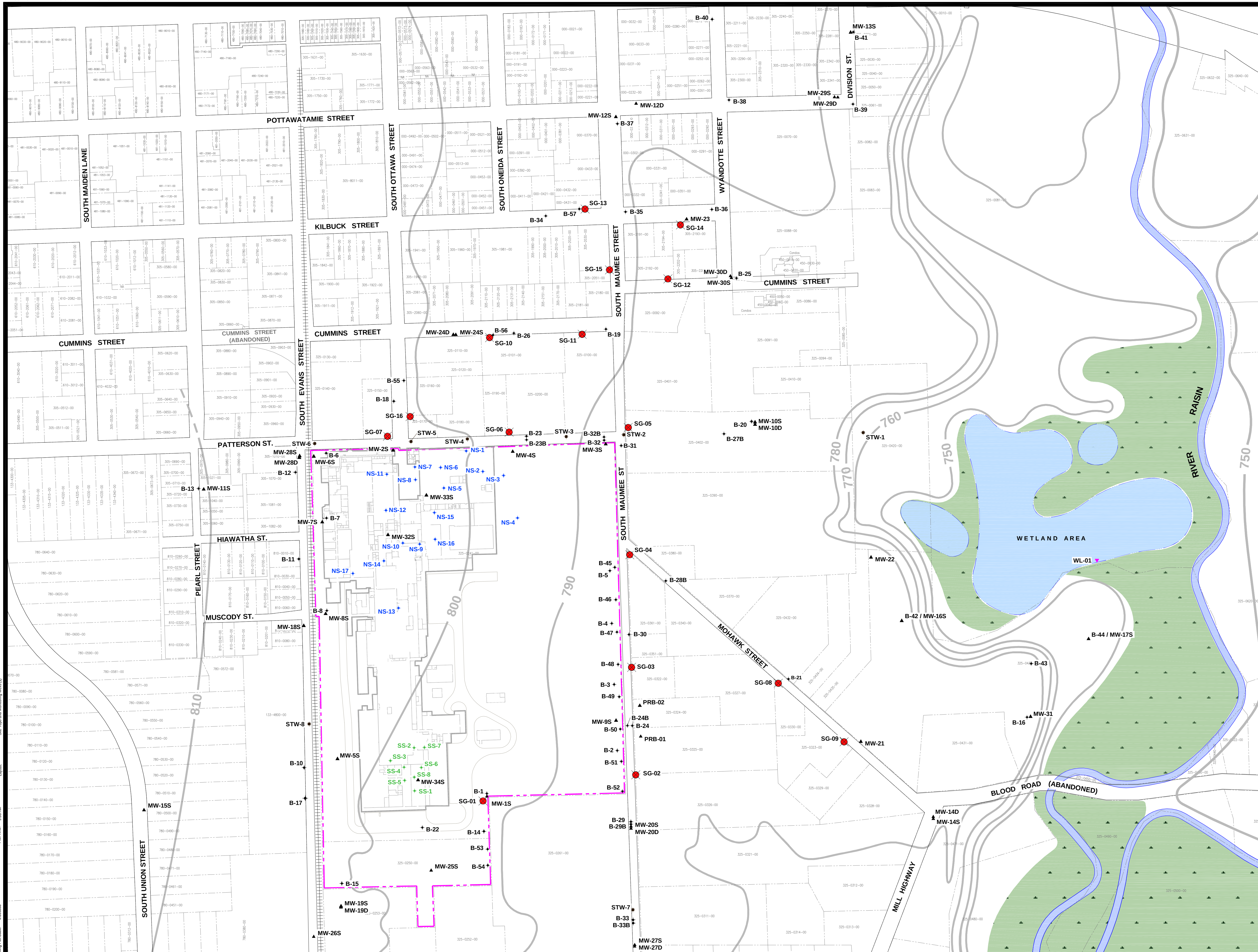
Survey conducted to feet mean sea level by Midwestern Consultants, Inc. (2009 - 2011)

ft MSL - feet above mean sea level

ft BTOC - feet below top of casing

Figures

RMT COMPUTER AIDED DESIGN AND DRAFTING • CREATING BALANCE



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — 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.

0 200' 400' 600' 800'
SCALE IN FEET

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

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

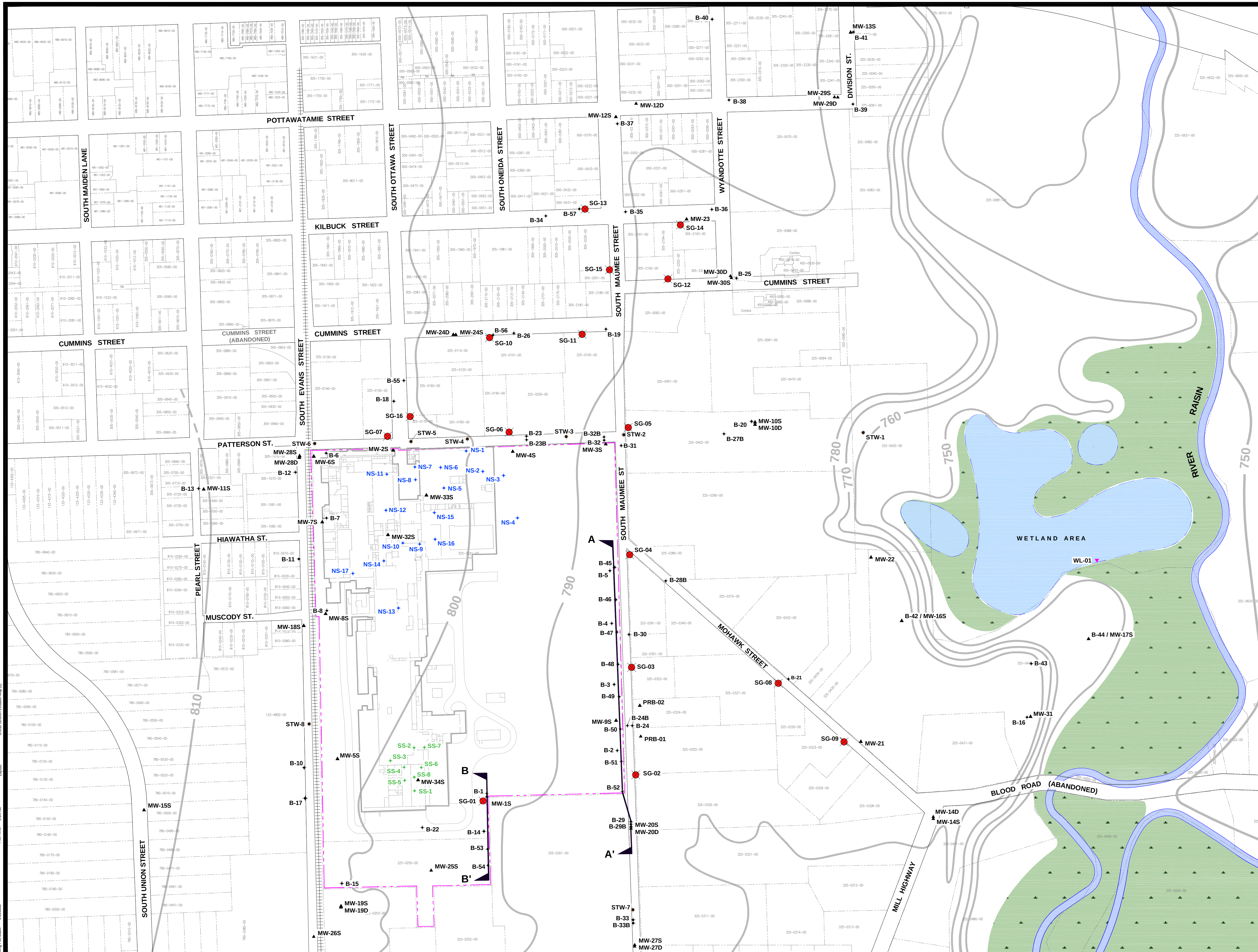
SURFACE TOPOGRAPHY
AND SAMPLE LOCATIONS

DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	PROJECT NO: J:\02751\16	
CHECKED BY: SEM		FILE NO: 02751.16.21.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 1	
DATE: March 2011			

RMT
3754 Ranchero Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7080 • Fax: 734-971-9022

PLOT DATA: Drawing Name: J:\02751\16\02751.16.21.dwg; Operator Name: LUDOIS, SAM; Drawing Plot Scale: 0.388889; Dwg Size: 1.53 Mb; Plot Date: March 21, 2011; Plot Time: 9:33 AM; Attached Xref's; Attached Images; Layout: Site Topo and Monitoring Wells (2)

RMT COMPUTER AIDED DESIGN AND DRAFTING • CREATING BALANCE



LEGEND

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- 750 — 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

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.

0 200' 400' 600' 800'
SCALE IN FEET

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

FORMER TECUMSEH PRODUCTS SITE
TECUMSEH, MICHIGAN

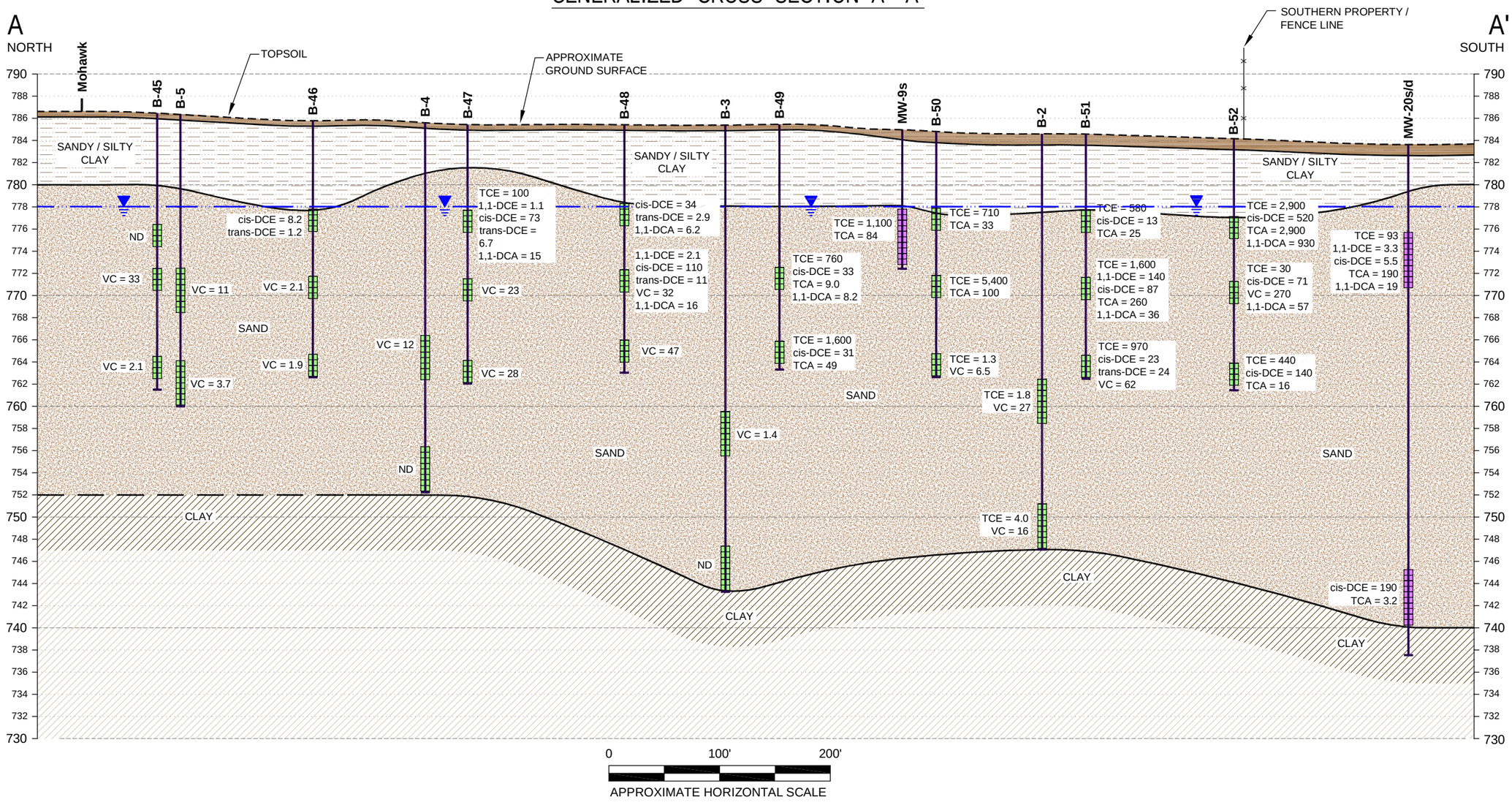
CROSS SECTION LOCATION MAP

DRAWN BY: SJL	DRAWING SCALE: AS INDICATED	PROJECT NO: J:\02751\16	
CHECKED BY: SEM		FILE NO: 02751.16.22.dwg	
APPROVED BY: GC	DATE PRINTED:	FIGURE 2	
DATE: March 2011			

RMT
3754 Ranchero Drive
Ann Arbor, MI 48108-2237
Phone: 734-971-7080 • Fax: 734-971-9022

PLOT DATA: Drawing Name: J:\02751\16\02751.16.22.dwg Operator Name: LUOGO, SAM Drawing Plot Scale: 0.36666 Dwg Size: 1.50 Mb Plot Date: March 21, 2011 Plot Time: 9:34 AM Attached Xref's: Attached Images: Layout: Cross Section Location Map (2)

GENERALIZED CROSS SECTION A - A'



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
- TEMPORARY WELL SCREEN
- WELL SCREEN

TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NO DETECTIONS

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 2 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF MARCH 2011.
4. 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'

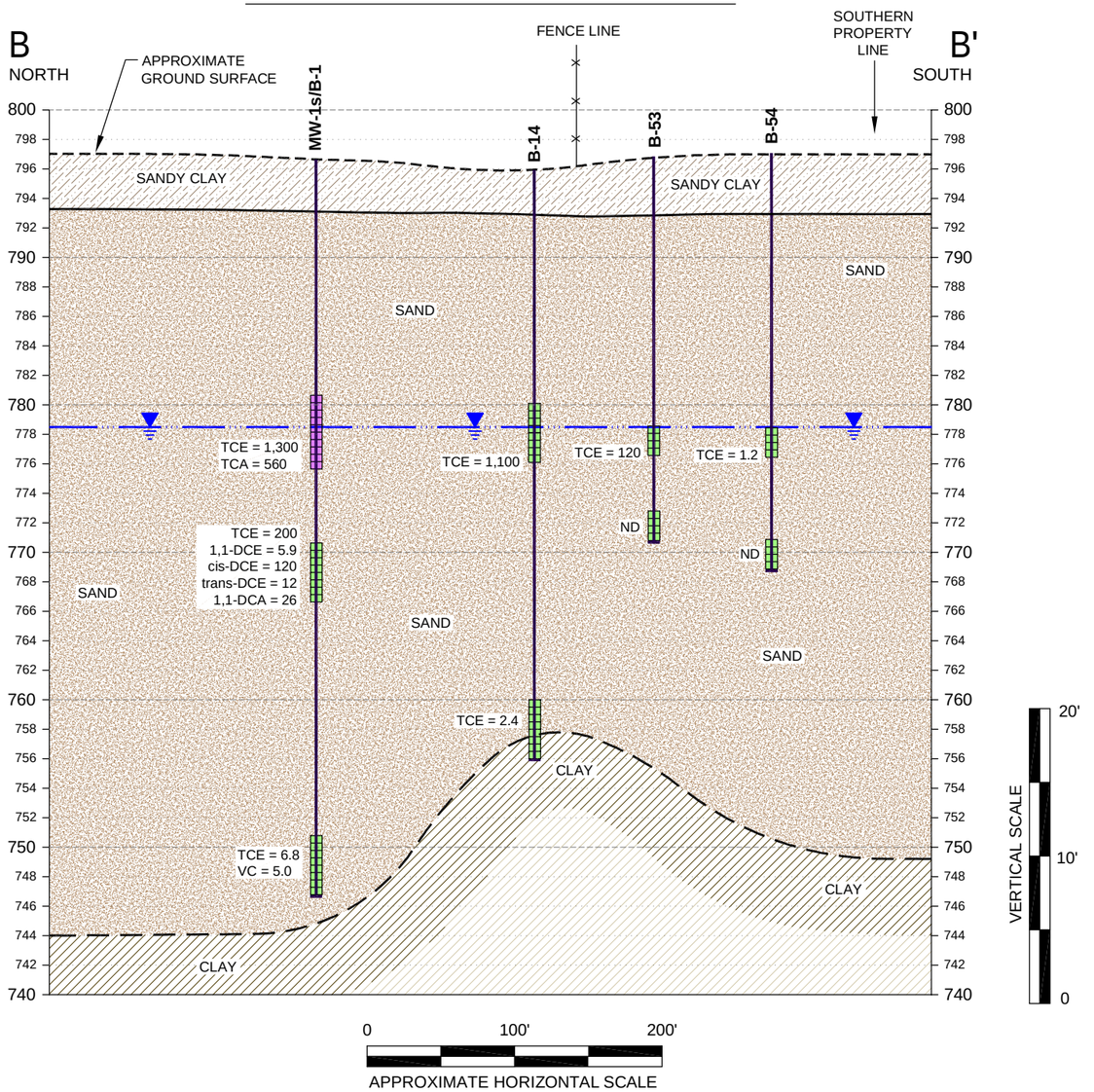
DRAWN BY:	SJL	PROJECT NUMBER:	J:\02751\16
CHECKED BY:	SEM	FILE NUMBER:	02751.16.23-24.dwg
APPROVED BY:	GC	DATE:	March 2011

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

FIGURE 3

Drawing Name: J:\02751\16\02751.16.23-24.dwg Dwg Size: 0.22 Mb
Operator Name: LUCIDO, SAM Plot Date: March 22, 2011
Drawing Plot Scale: 0.386863 Plot Time: 10:55 AM
Layout: Section A - A' (3)

GENERALIZED CROSS SECTION B - B'



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
- TEMPORARY WELL SCREEN
- WELL SCREEN

TCE	=	TRICHLOROETHENE
TCA	=	1,1,1-TRICHLOROETHANE
1,1-DCE	=	1,1-DICHLOROETHENE
1,1-DCA	=	1,1-DICHLOROETHANE
cis-DCE	=	1,2-cis-DICHLOROETHENE
trans-DCE	=	1,2-trans-DICHLOROETHENE
VC	=	VINYL CHLORIDE
ND	=	NO DETECTIONS

NOTES

1. GROUND SURFACE AND STRATIGRAPHIC CONTACTS ARE APPROXIMATE AND EXTRAPOLATED FROM NEAREST SOIL BORING DATA.
2. SEE FIGURE 2 FOR LOCATION / ORIENTATION OF THIS GEOLOGIC CROSS SECTION.
3. GROUNDWATER ANALYTICAL DATA REFLECTS MOST RECENT SAMPLE EVENT AS OF MARCH 2011.
4. CLAY INTERFACE PROJECTED FROM BORINGS EAST OF THIS CROSS SECTION.
5. 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'

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

FIGURE 4

Attachment A

Soil Boring and Well Construction Logs

SOIL BORING LOG

RMT

BORING NO. B-45

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/22/11	2/22/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	25.0	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:	County:	State:
Tecumseh	Lenawee	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 NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			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		
1 GP	50		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		
			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		
2 GP	92.5		6				
				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.			
			8	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:

Checked By: John Bacon

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

SOIL BORING LOG

RMT

BORING NO. B-45

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
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				
				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
			26				

SOIL BORING LOG

RMT

BORING NO. B-46

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/22/11	2/22/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	23.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 210 feet south of Mohawk Street, 10 feet west of eastern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 8 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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		
1 GP	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		
				LEAN CLAY WITH SAND mostly lean clay, little fine sand, plastic, dark yellowish brown (10YR 4/6), no odor, moist, stiff to very stiff.			
			4				No recovery due to rock in sampler
2 GP	0		6		CL		
			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
3 GP	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:

Checked By: John Bacon

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

SOIL BORING LOG

RMT

BORING NO. B-46

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
				Same as above.	SW		
4 GP	100		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
			18				
			20		SW		
			22				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 LOG

RMT

BORING NO. B-47

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/22/11	2/22/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	23.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 350 feet south of Mohawk Street, 10 feet west of eastern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 7.75 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**TOPSOIL**			
1 GP	87.5		2	**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		
2 GP	82.5		4	**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.			
			6				
			8	▽ Change to saturated.	SW		Collected grab groundwater sample from 7.75-9.75 ft bgs at 15:40 on 2/22/2011
3 GP	75		10				

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

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

Checked By: John Bacon

SOIL BORING LOG

RMT

BORING NO. B-47

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

SOIL BORING LOG

RMT

BORING NO. B-48

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/22/11	2/22/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	22.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 490 feet south of Mohawk Street, 10 feet west of eastern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 7.25 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**TOPSOIL**			
				CLAYEY SAND mostly fine to coarse sand, some lean clay, few gravel, slightly plasitc, 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.			Collected grab groundwater sample from 7-9 ft bgs at 17:08 on 2/22/2011
			8				
3 GP	80		10		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

RMT

BORING NO. B-48

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

RMT

BORING NO. B-49

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/22/11	2/22/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	22.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 630 feet south of Mohawk Street, 10 feet west of eastern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/22/11 00:00 ▽ Depth (ft bgs) 7.0 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**TOPSOIL**			
1 GP	77.5		2	**SANDY LEAN CLAY** mostly lean clay, some fine to medium sand, few silt, plastic, dark yellowish brown (10YR 4/6), no odor, moist, medium stiff to stiff. 1-inch sand seam at 2 feet below ground surface. 2-inch sand seam at 3.25 feet below ground surface.	CL		
2 GP	75		4 6	3-inch sand seam at 4.5 feet below ground surface. 1-inch sand seam at 5.25 feet below ground surface. 2-inch sand seam at 6.25 feet below ground surface.			
			▽	**POORLY GRADED SAND** mostly fine to medium sand, few coarse sand, few silt, dark brown (10YR 3/3), no odor, saturated, medium dense.	SP		
3 GP	82.5		8 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		

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

RMT

BORING NO. B-49

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
4 GP	95		14	Same as above.	SW		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 LOG

RMT

BORING NO. B-50

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/23/11	2/23/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	22.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 770 feet south of Mohawk Street, 10 feet west of eastern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/23/11 00:00 ▽ Depth (ft bgs) 7.0 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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		
				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).			
			4	Same as above.			
				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		
2 GP	75		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		
			▽	**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: [signature]

Checked By: John Bacon

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

SOIL BORING LOG

RMT

BORING NO. B-50

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
4 GP	57.5		14	**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.	SP		Collected grab groundwater sample from 13-15 ft bgs at 11:01 on 2/23/2011
			16	2-inch lens of sub-rounded to sub-angular gravel at 15 feet below ground surface.			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	End of boring at 22.0 feet below ground surface.			
			24				
			26				

SOIL BORING LOG

RMT

BORING NO. B-51

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/23/11	2/23/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	22.0	3

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:	County:	State:
Tecumseh	Lenawee	MI

Water Level Observations:
While Drilling: Date/Time 2/23/11 00:00 ▽ Depth (ft bgs) 7.0
After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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.			Collected grab groundwater sample from 7-9 ft bgs at 13:37 on 2/23/2011
			8	Same as above.			
3 GP	82.5		10		SW		

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

Signature:

Checked By: John Bacon

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

SOIL BORING LOG

RMT

BORING NO. B-51

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
				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.	SW		Collected grab groundwater sample from 13-15 ft bgs at 11:35 on 2/23/2011
4 GP	80		14	**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.			
			16				Heaving sand prevent sample collection below 16 feet
			18		SW		
			20				Collected grab groundwater sample from 20-22 ft bgs at 10:56 on 2/23/2011
			22	End of boring at 22.0 feet below ground surface.			
			24				
			26				

SOIL BORING LOG

RMT

BORING NO. B-52

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/23/11	2/23/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	22.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site, 1040 feet south of Mohawk Street, 10 feet west of eastern fence, 10 north of southern fence	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/23/11 00:00 ▽ Depth (ft bgs) 7.0 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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 plasitc, 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		
			▽	**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	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: _____

Checked By: John Bacon

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

SOIL BORING LOG

RMT

BORING NO. B-52

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
				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
4 GP	80		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 LOG

RMT

BORING NO. B-53

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/23/11	2/23/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	26.0	3

Boring Location:	Personnel	Drilling Equipment:
Along eastern perimeter of site on Parcel 325-0250-00, 46 feet south of southern fence, 10 feet west of eastern property line	Logged By - Stacy Metz Driller - Ray Bashaw	Geoprobe 6620D

Civil Town/City/or Village:	County:	State:	Water Level Observations:
Tecumseh	Lenawee	MI	While Drilling: Date/Time 2/23/11 00:00 ▽ Depth (ft bgs) 17.5 After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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		
2 GP	25		4	Same as above.			Poor recovery due to rock in sampler
			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.	SW		
			8	Same as above.			
3 GP	92.5		10	Change to moist. 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

RMT

BORING NO. B-53

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
4 GP	75		14	Same as above.			
			16	Same as above.			
5 GP	75		18	▽ Change to saturated.	SW		Collected grab groundwater sample from 18-20 ft bgs at 15:41 on 2/23/2011
			20	Same as above.			
6 GP	87.5		22				
			24				Heaving sand prevent sample collection below 24 feet Collected grab groundwater sample from 24-26 ft bgs at 14:58 on 2/23/2011
			26	End of boring at 26.0 feet below ground surface.			

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

SOIL BORING LOG

RMT

BORING NO. B-54

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/23/11	2/23/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push	---	---	28.0	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:	County:	State:
Tecumseh	Lenawee	MI

Water Level Observations:
While Drilling: Date/Time 2/23/11 00:00 ▽ Depth (ft bgs) 18
After Drilling: Date/Time Depth (ft bgs) NM

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
			0	**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.	SM		No recovery due to broken sampler
3 GP	0		6				
			8				
			10				
			12	Same as above.			

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

Signature: [signature]

Checked By: John Bazon

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

SOIL BORING LOG

RMT

BORING NO. B-54

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	COMMENTS
					SM		
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.			
			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.	SW		
6 GP	72.5		22				
			24				Heaving sand prevent sample collection below 24 feet
			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

RMT

WELL NO. PRB-01

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/24/11	2/24/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push/HSA	784.5	784.06	12.0	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:	County:	State:
Tecumseh	Lenawee	MI

Water Level Observations:
While Drilling: Date/Time 2/24/11 00:00 ▽ Depth (ft bgs) 6.5
After Drilling: Date/Time 2/24/11 10:43 ▼ Depth (ft bgs) 6.62

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
			0	**TOPSOIL**				
1 GP	45		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.	CL-ML			
			4	Same as above.				
2 GP	82.5		6	Change to very moist.				
				▼ **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.	SW			
			8	Same as above.				
3 GP	100		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: Stacy Metz

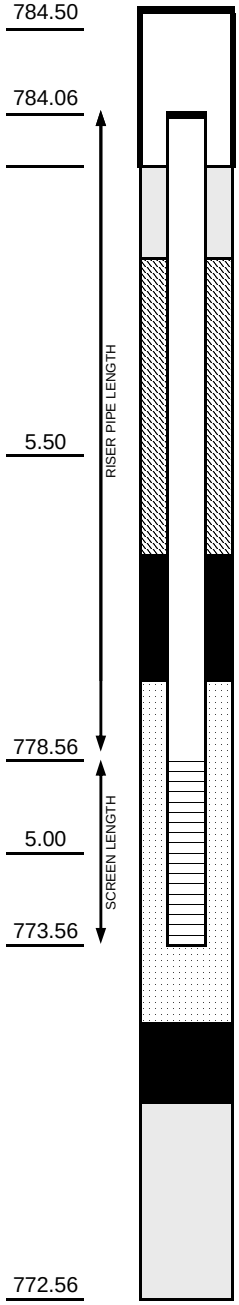
Firm: RMT, Inc.
3754 Ranchero Drive Ann Arbor, MI 48108
734-971-7080
Fax 734-971-9022

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

ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	
784.50	0.0	GROUND SURFACE
784.06	0.5	TOP OF CASING
	1.3	CEMENT SURFACE PLUG
		GROUT/BACKFILL MATERIAL: NA
		GROUT/BACKFILL METHOD: NA
5.50		RISER PIPE LENGTH
	1.3	GROUT
		BENTONITE SEAL MATERIAL: MEDIUM CHIPS
	4.0	BENTONITE SEAL
778.56	6.0	TOP OF SCREEN
5.00		SCREEN LENGTH
		FILTER PACK MATERIAL: MEDIUM, WASHED SAND
773.56	11.0	BOTTOM OF SCREEN
	11.0	BOTTOM OF FILTER PACK
	--	BENTONITE PLUG
		BACKFILL MATERIAL: NATURAL COLLAPSE
772.56	12.0	HOLE BOTTOM



NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 2-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SOLVENT USED? NO

SCREEN TYPE: 2-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER:	8	IN. FROM	0	TO	11	FT.
	3	IN. FROM	11	TO	12	FT.
SURF. CASING DIAMETER:	8	IN. FROM	0	TO	1	FT.
		IN. FROM		TO		FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.1 HOURS

WATER REMOVED: 12 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Very Turbid

COLOR BEFORE: Brown

CLARITY AFTER: Slightly Turbid

COLOR AFTER: Light Brown

ODOR (IF PRESENT): None

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? ☑ YES ☐ NO

PROTECTIVE COVER AND LOCK INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: 3120

REVISED 03/2008

WELL CONSTRUCTION LOG

RMT

WELL NO. PRB-02

Facility/Project Name:	Date Drilling Started:	Date Drilling Completed:	Project Number:
Former Tecumseh Products Company	2/24/11	2/24/11	8070.16

Drilling Firm:	Drilling Method:	Surface Elev. (ft)	TOC Elevation (ft)	Total Depth (ft bgs)	Borehole Dia. (in)
Terra Probe, Inc.	Direct Push/HSA	784.5	784.07	12.0	3

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:	County:	State:
Tecumseh	Lenawee	MI

Water Level Observations:
While Drilling: Date/Time 2/24/11 00:00 ▽ Depth (ft bgs) 6.5
After Drilling: Date/Time 2/24/11 11:11 ▼ Depth (ft bgs) 6.55

SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	WELL DIAGRAM	COMMENTS
			0	**TOPSOIL**				
1 GP	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.	CL-ML			
			4	Same as above.				
2 GP	70		6	▼ **POORLY GRADED SAND** mostly fine sand, few clay, dark yellowish brown (10YR 4/4), no odor, saturated, medium dense.	SP			
				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			
			8	**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			
3 GP	80		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:

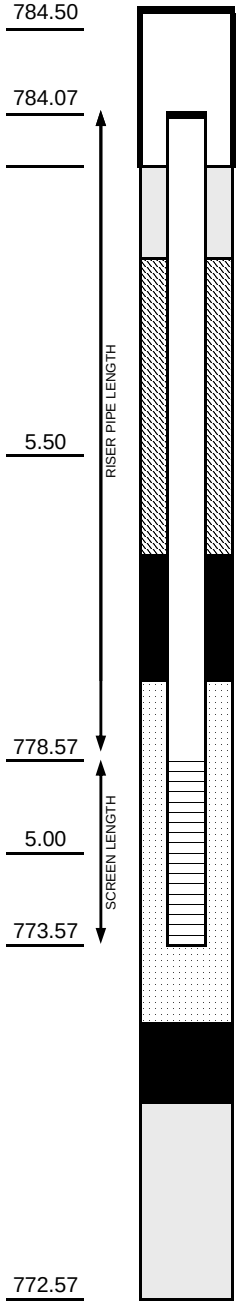
Checked By: John Bacon

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

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

ELEVATION (BENCHMARK: USGS)	DEPTH BELOW OR ABOVE GROUND SURFACE (FEET)	
784.50	0.0	GROUND SURFACE
784.07	0.5	TOP OF CASING
	1.0	CEMENT SURFACE PLUG
		GROUT/BACKFILL MATERIAL: NA
		GROUT/BACKFILL METHOD: NA
5.50		RISER PIPE LENGTH
	1.0	GROUT
		BENTONITE SEAL MATERIAL: MEDIUM CHIPS
	2.5	BENTONITE SEAL
778.57	6.0	TOP OF SCREEN
5.00		SCREEN LENGTH
		FILTER PACK MATERIAL: MEDIUM, WASHED SAND
773.57	11.0	BOTTOM OF SCREEN
	11.0	BOTTOM OF FILTER PACK
	--	BENTONITE PLUG
		BACKFILL MATERIAL: NATURAL COLLAPSE
772.57	12.0	HOLE BOTTOM



NOTES:

CASING AND SCREEN DETAILS

TYPE OF RISER: 1-INCH PVC

PIPE SCHEDULE: 40

PIPE JOINTS: THREADED O-RINGS

SOLVENT USED? NO

SCREEN TYPE: 1-INCH PVC

SCR. SLOT SIZE: 0.01-INCH

BOREHOLE DIAMETER: 3 IN. FROM 0 TO 12 FT.
___ IN. FROM ___ TO ___ FT.

SURF. CASING DIAMETER: 8 IN. FROM 0 TO 1 FT.
___ IN. FROM ___ TO ___ FT.

WELL DEVELOPMENT

DEVELOPMENT METHOD: SURGE AND PUMP

TIME DEVELOPING: 0.9 HOURS

WATER REMOVED: 3 GALLONS

WATER ADDED: 0 GALLONS

WATER CLARITY BEFORE / AFTER DEVELOPMENT

CLARITY BEFORE: Very Turbid

COLOR BEFORE: Brown

CLARITY AFTER: Clear

COLOR AFTER: None

ODOR (IF PRESENT): None

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? ☑ YES ☐ NO

PROTECTIVE COVER INSTALLED? ☑ YES ☐ NO

LOCK KEY NUMBER: NA

REVISED 03/2008

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)

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TRIMATRIX LABORATORIES

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

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**	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
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

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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 (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*
Dibromofluoromethane	99	*88-116*
1,2-Dichloroethane-d4	100	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

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

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**	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
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

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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 (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***
Dibromofluoromethane	101	*88-116*
1,2-Dichloroethane-d4	99	*87-123*
Toluene-d8	98	*91-107*
4-Bromofluorobenzene	97	*84-106*

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TRIMATRIX LABORATORIES

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

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

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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
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*
Dibromofluoromethane	100	*88-116*
1,2-Dichloroethane-d4	102	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	97	*84-106*

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TRIMATRIX LABORATORIES

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

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**	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
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*
Dibromofluoromethane	101	*88-116*
1,2-Dichloroethane-d4	100	*87-123*
Toluene-d8	99	*91-107*
4-Bromofluorobenzene	97	*84-106*

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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 (14-16')**	Sampled:	02/22/11 12:51
Lab Sample ID:	**1102286-05**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-46 (14-16')**	Sampled:	02/22/11 12:51
Lab Sample ID:	**1102286-05**	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
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 (14-16')**	Sampled:	02/22/11 12:51
Lab Sample ID:	**1102286-05**	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***
Dibromofluoromethane	102	*88-116*
1,2-Dichloroethane-d4	103	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	99	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-46 (8-10')**	Sampled:	02/22/11 13:53
Lab Sample ID:	**1102286-06**	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

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

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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 (8-10')**	Sampled:	02/22/11 13:53
Lab Sample ID:	**1102286-06**	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
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 (8-10')**	Sampled:	02/22/11 13:53
Lab Sample ID:	**1102286-06**	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	<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*
Dibromofluoromethane	99	*88-116*
1,2-Dichloroethane-d4	101	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	98	*84-106*

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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

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**	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
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*
Dibromofluoromethane	99	*88-116*
1,2-Dichloroethane-d4	102	*87-123*
Toluene-d8	95	*91-107*
4-Bromofluorobenzene	98	*84-106*

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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 (14-16')**	Sampled:	02/22/11 14:32
Lab Sample ID:	**1102286-08**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-47 (14-16')**	Sampled:	02/22/11 14:32
Lab Sample ID:	**1102286-08**	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
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 (14-16')**	Sampled:	02/22/11 14:32
Lab Sample ID:	**1102286-08**	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	**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*
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	101	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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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 (7.75-9.75')**	Sampled:	02/22/11 15:40
Lab Sample ID:	**1102286-09**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-47 (7.75-9.75')**	Sampled:	02/22/11 15:40
Lab Sample ID:	**1102286-09**	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
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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-47 (7.75-9.75')**	Sampled:	02/22/11 15:40
Lab Sample ID:	**1102286-09**	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	<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***
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	99	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	99	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-48 (19.5-21.5')**	Sampled:	02/22/11 15:28
Lab Sample ID:	**1102286-10**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-48 (19.5-21.5')**	Sampled:	02/22/11 15:28
Lab Sample ID:	**1102286-10**	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
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 (19.5-21.5')**	Sampled:	02/22/11 15:28
Lab Sample ID:	**1102286-10**	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	**47**	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*
Dibromofluoromethane	99	*88-116*
1,2-Dichloroethane-d4	101	*87-123*
Toluene-d8	95	*91-107*
4-Bromofluorobenzene	98	*84-106*

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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

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

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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
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*
Dibromofluoromethane	100	*88-116*
1,2-Dichloroethane-d4	101	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-48 (7-9')**	Sampled:	02/22/11 17:08
Lab Sample ID:	**1102286-12**	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

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

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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 (7-9')**	Sampled:	02/22/11 17:08
Lab Sample ID:	**1102286-12**	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
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 (7-9')**	Sampled:	02/22/11 17:08
Lab Sample ID:	**1102286-12**	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	<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***
Dibromofluoromethane	101	*88-116*
1,2-Dichloroethane-d4	104	*87-123*
Toluene-d8	98	*91-107*
4-Bromofluorobenzene	101	*84-106*

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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-49 (19.5-21.5')**	Sampled:	02/22/11 16:22
Lab Sample ID:	**1102286-13**	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

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

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*See Statement of Data Qualifications

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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-49 (19.5-21.5')**	Sampled:	02/22/11 16:22
Lab Sample ID:	**1102286-13**	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
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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-49 (19.5-21.5')**	Sampled:	02/22/11 16:22
Lab Sample ID:	**1102286-13**	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*
Dibromofluoromethane	95	*88-116*
1,2-Dichloroethane-d4	90	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	94	*84-106*

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TRIMATRIX LABORATORIES

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

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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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
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

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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-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*
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	94	*84-106*

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TRIMATRIX LABORATORIES

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

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

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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:	**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
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

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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:	**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*
Dibromofluoromethane	96	*88-116*
1,2-Dichloroethane-d4	89	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	98	*84-106*

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TRIMATRIX LABORATORIES

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

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**	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
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***
Dibromofluoromethane	97	*88-116*
1,2-Dichloroethane-d4	93	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-50 (13-15')**	Sampled:	02/23/11 11:01
Lab Sample ID:	**1102286-17**	Sampled By:	S. Metz
Matrix:	Water	Received:	02/25/11 09:00
Unit:	ug/L	Prepared:	03/02/11 By: DLV
Dilution Factor:	50	Analyzed:	03/02/11 By: DLV
QC Batch:	1101538	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

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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 (13-15')**	Sampled:	02/23/11 11:01
Lab Sample ID:	**1102286-17**	Sampled By:	S. Metz
Matrix:	Water	Received:	02/25/11 09:00
Unit:	ug/L	Prepared:	03/02/11 By: DLV
Dilution Factor:	50	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
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

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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 (13-15')**	Sampled:	02/23/11 11:01
Lab Sample ID:	**1102286-17**	Sampled By:	S. Metz
Matrix:	Water	Received:	02/25/11 09:00
Unit:	ug/L	Prepared:	03/02/11 By: DLV
Dilution Factor:	50	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	<50	50
136777-61-2	Xylene, Meta + Para	<100	100
95-47-6	Xylene, Ortho	<50	50

Surrogates:	*% Recovery*	*Control Limits*
Dibromofluoromethane	96	*88-116*
1,2-Dichloroethane-d4	89	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-50 (7-9')**	Sampled:	02/23/11 12:20
Lab Sample ID:	**1102286-18**	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

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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ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-50 (7-9')**	Sampled:	02/23/11 12:20
Lab Sample ID:	**1102286-18**	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
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

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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 (7-9')**	Sampled:	02/23/11 12:20
Lab Sample ID:	**1102286-18**	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*
Dibromofluoromethane	97	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

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

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

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*See Statement of Data Qualifications

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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-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
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

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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-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*
Dibromofluoromethane	97	*88-116*
1,2-Dichloroethane-d4	91	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

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

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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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
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

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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-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*
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	90	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-51 (7-9')**	Sampled:	02/23/11 13:37
Lab Sample ID:	**1102286-21**	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

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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ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-51 (7-9')**	Sampled:	02/23/11 13:37
Lab Sample ID:	**1102286-21**	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
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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-51 (7-9')**	Sampled:	02/23/11 13:37
Lab Sample ID:	**1102286-21**	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*
Dibromofluoromethane	97	*88-116*
1,2-Dichloroethane-d4	90	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-52 (20-22')**	Sampled:	02/23/11 11:28
Lab Sample ID:	**1102286-22**	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

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

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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-52 (20-22')**	Sampled:	02/23/11 11:28
Lab Sample ID:	**1102286-22**	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
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

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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-52 (20-22')**	Sampled:	02/23/11 11:28
Lab Sample ID:	**1102286-22**	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*
Dibromofluoromethane	94	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	97	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-52 (13-15')**	Sampled:	02/23/11 12:29
Lab Sample ID:	**1102286-23**	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

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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ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-52 (13-15')**	Sampled:	02/23/11 12:29
Lab Sample ID:	**1102286-23**	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
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

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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-52 (13-15')**	Sampled:	02/23/11 12:29
Lab Sample ID:	**1102286-23**	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	**270**	10
136777-61-2	Xylene, Meta + Para	**1300**	20
95-47-6	Xylene, Ortho	**26**	10

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	97	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	98	*91-107*
4-Bromofluorobenzene	98	*84-106*

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TRIMATRIX LABORATORIES

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

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

Continued on next page

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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-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
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

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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-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***
Dibromofluoromethane	99	*88-116*
1,2-Dichloroethane-d4	91	*87-123*
Toluene-d8	99	*91-107*
4-Bromofluorobenzene	97	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-53 (24-26')**	Sampled:	02/23/11 14:58
Lab Sample ID:	**1102286-25**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-53 (24-26')**	Sampled:	02/23/11 14:58
Lab Sample ID:	**1102286-25**	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
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-53 (24-26')**	Sampled:	02/23/11 14:58
Lab Sample ID:	**1102286-25**	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*
Dibromofluoromethane	96	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	95	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-53 (18-20')**	Sampled:	02/23/11 15:41
Lab Sample ID:	**1102286-26**	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

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

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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-53 (18-20')**	Sampled:	02/23/11 15:41
Lab Sample ID:	**1102286-26**	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
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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-53 (18-20')**	Sampled:	02/23/11 15:41
Lab Sample ID:	**1102286-26**	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***
Dibromofluoromethane	96	*88-116*
1,2-Dichloroethane-d4	91	*87-123*
Toluene-d8	98	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**Dup-02**	Sampled:	02/23/11 00:00
Lab Sample ID:	**1102286-27**	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

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

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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:	**Dup-02**	Sampled:	02/23/11 00:00
Lab Sample ID:	**1102286-27**	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
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:	**Dup-02**	Sampled:	02/23/11 00:00
Lab Sample ID:	**1102286-27**	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	**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*
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-54 (26-28')**	Sampled:	02/23/11 15:47
Lab Sample ID:	**1102286-28**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-54 (26-28')**	Sampled:	02/23/11 15:47
Lab Sample ID:	**1102286-28**	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
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-54 (26-28')**	Sampled:	02/23/11 15:47
Lab Sample ID:	**1102286-28**	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*
Dibromofluoromethane	96	*88-116*
1,2-Dichloroethane-d4	92	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	95	*84-106*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-54 (18-20')**	Sampled:	02/23/11 16:24
Lab Sample ID:	**1102286-29**	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

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**	Work Order:	**1102286**
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	**B-54 (18-20')**	Sampled:	02/23/11 16:24
Lab Sample ID:	**1102286-29**	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
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

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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-54 (18-20')**	Sampled:	02/23/11 16:24
Lab Sample ID:	**1102286-29**	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*
Dibromofluoromethane	98	*88-116*
1,2-Dichloroethane-d4	91	*87-123*
Toluene-d8	97	*91-107*
4-Bromofluorobenzene	96	*84-106*

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TRIMATRIX LABORATORIES

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

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**	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
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:	**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***
Dibromofluoromethane	102	*88-116*
1,2-Dichloroethane-d4	104	*87-123*
Toluene-d8	96	*91-107*
4-Bromofluorobenzene	96	*84-106*

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

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

QC Batch: 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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 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:							
Dibromofluoromethane				*98*	*88-116*		
1,2-Dichloroethane-d4				*98*	*87-123*		
Toluene-d8				*98*	*91-107*		
4-Bromofluorobenzene				*97*	*84-106*		

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

Acetone	<20				--	20	

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

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

Method Blank (Continued) Analyzed: 03/01/2011 By: DLV

Unit: ug/L Analytical Batch: 1C03007

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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 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
1,1,2,2-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:						
Dibromofluoromethane				*99*	*88-116*	
1,2-Dichloroethane-d4				*101*	*87-123*	
Toluene-d8				*95*	*91-107*	
4-Bromofluorobenzene				*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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 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:								
Dibromofluoromethane				*99*	*88-116*			
1,2-Dichloroethane-d4				*99*	*87-123*			
Toluene-d8				*101*	*91-107*			
4-Bromofluorobenzene				*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:								
Dibromofluoromethane				*99*	*88-116*			
1,2-Dichloroethane-d4				*99*	*87-123*			
Toluene-d8				*100*	*91-107*			
4-Bromofluorobenzene				*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:								
Dibromofluoromethane				*99*	*88-116*			
1,2-Dichloroethane-d4				*100*	*87-123*			
Toluene-d8				*100*	*91-107*			
4-Bromofluorobenzene				*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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 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:								
Dibromofluoromethane				*98*	*88-116*			
1,2-Dichloroethane-d4				*99*	*87-123*			
Toluene-d8				*99*	*91-107*			
4-Bromofluorobenzene				*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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

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

QC Batch: 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
1,1,2,2-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

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1101538 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:	03/02/2011		By: DLV
Unit: ug/L					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:								
Dibromofluoromethane				*97*	*88-116*			
1,2-Dichloroethane-d4				*90*	*87-123*			
Toluene-d8				*96*	*91-107*			
4-Bromofluorobenzene				*95*	*84-106*			
Laboratory Control Sample					Analyzed:	03/02/2011		By: DLV
Unit: ug/L					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:								
Dibromofluoromethane				*97*	*88-116*			
1,2-Dichloroethane-d4				*88*	*87-123*			
Toluene-d8				*101*	*91-107*			
4-Bromofluorobenzene				*100*	*84-106*			
Matrix Spike 1102286-20 B-51 (13-15')					Analyzed:	03/02/2011		By: DLV
Unit: ug/L					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:								
Dibromofluoromethane				*97*	*88-116*			
1,2-Dichloroethane-d4				*88*	*87-123*			
Toluene-d8				*101*	*91-107*			

Continued on next page

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 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*			

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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

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Chain of Custody Record

COC No. 130735

Page 1 of 4

For Lab Use Only

Cart: BOX

VOA Rack/Tray:

Receipt Log No.: 29-10

Project Chemist:

Laboratory Project No.: 1102286

Client Name: Tecumseh Products / RMT

Address: 3754 Ranchero Drive

Ann Arbor MI 48108

Phone: 734 971 7080

Fax: 734 971 9022

Project Name: TPC PPB Investigation

Client Project No./P.O. No.: 02751.16

Invoice No.: ☒ Client ☐ Other (comments)

Contact/Report To: Stacy Metz

Analyses Requested

D: VOCs

Container Type (corresponds to Container Packing List)

Number of Containers Submitted

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
01		01	1	B-45 (22-24')		2/22/11	1048		X	GW	2	2	
		02	2	B-45 (14-16')			1131				2		
		03	3	B-45 (10-12')			1215				2		
		04	4	B-46 (21-23')			1148				2		
		05	5	B-46 (14-16')			1251				2		
02		06	6	B-46 (8-10')			1353				2		
			7	MS/MSD B-46 (8-10')			1353				2		Project specific MS/MSD
01		07	8	B-47 (21-23')			1337				2		
		08	9	B-47 (14-16')			1432				2		
		09	10	B-47 (7.75-9.75)			1540				2		

Sampled By (print): Stacy Metz

Sampler's Signature: Stacy Metz

Company: RMT, Inc.

How Shipped? Hand ~~Carrier~~ Fed Ex

Tracking No.:

Comments: Level 2 Report
1-Week TAT Please

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Stacy Metz	2/24/11	1740						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
Fed Ex						[signature]	2/25/11	0900

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

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Chain of Custody Record

COC No. 130736

Page 2 of 4

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Cart:
VOA Rack/Tray:
Receipt Log No.:
Project Chemist:
Laboratory Project No.: 1102286

Client Name: RMT / Tecumseh Products
Address: 3754 Rancheo Dr
Ann Arbor MI 48108
Phone: 734 971 7080
Fax: 734 971 9022

Project Name: TTC PRB Investigation
Client Project No./P.O. No.: 02751.16
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

Container Type (corresponds to Container Packing List): D

Number of Containers Submitted: VOCs

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
01		10	1	B-48 (19.5 -21.5)		2/22/11	1528		X	GW	2	2	
|		11	2	B-48 (13 - 15)		|	1629		|	|	|	
|		12	3	B-48 (7 - 9)		|	1708		|	|	|	
|		13	4	B-49 (19.5 -21.5)		|	1622		|	|	|	
|		14	5	B-49 (13-15)		|	1658		|	|	|	
X		*	6	B-49 (7-9)		|	1739		|	|	|	
01		15	7	DUP-01		↓	—		|	|	|	
|		16	8	B-50 (20-22)		2/23/11	1008		|	|	|	
|		17	9	B-50 (13-15)		↓	1101		|	|	|	
|		18	10	B-50 (7-9)		↓	1220		↓	↓	↓	↓	

NOT rec'd JH

Sampled By (print): Stacy Metz
Sampler's Signature: Stacy Metz
Company: RMT, Inc

How Shipped? ~~Hand~~ Carrier: Fed Ex
Tracking No.:

Comments: Level 2 Report
1-week TAT

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Stacy Metz	2/24/11	1740						
1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
Fed Ex						[signature]	2/25/11	0900

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Chain of Custody Record

COC No. 130737

Page 3 of 4

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Cart:
VOA Rack/Tray:
Receipt Log No.:
Project Chemist:
Laboratory Project No.: 1102286

Client Name: RMT/ Tecumseh Products
Address: 3754 Ranchero Drive
Ann Arbor MI 48108
Phone 734 971 7080
Fax 734 971 9022

Project Name: TPC PRB Investigation
Client Project No./P.O. No.: 02751.16
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

Container Type (corresponds to Container Packing List)

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number	#	Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted: D (VOC)	Total	Sample Comments
01		19	1	B-51 (20-22')		2/24/11	1056		X	GW	2	2	
02		20	2	B-51 (13-15')			1135						Project Specific MS/MSD
			3	MS/MSD B-51 (13-15')			1135						
01		21	4	B-51 (7-9)			1337						
		22	5	B-52 (20-22')			1128						
		23	6	B-52 (13-15)			1229						
		24	7	B-52 (7-9)			1319						
		25	8	B-53 (24-26)			1458						
		26	9	B-53 (18-20)			1541						
		27	10	DUP-02									

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

How Shipped? Hand Carrier: Fed Ex
Tracking No.:

Comments: Level 2 Report
1 Week TAT

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Stacy Metz	2/24/11	1740						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
Fed Ex							2/25/11	0900

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Chain of Custody Record

COC No. 130738

Page 4 of 4

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Cart:
VOA Rack/Tray:
Receipt Log No. 29-10
Project Chemist:
Laboratory Project No. 110286

Client Name: RMT / TPC
Address: 3754 Ranchero Drive, Ann Arbor MI 48108
Phone: 734 971 7080
Fax: 734 971 9022

Project Name: TPC PRB Investigation
Client Project No./P.O. No.: 07751.16
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested: D; VOCs

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
01 ~~02~~		28	1	B-54 (26-28)		2/23/11	1547		X	GW	2		2	
↓		29	2	B-54 (18-20)		↓	1624		X	GW	2		2	
03		30	3	~~Trip Bl~~ new TB-01		—	—			—	1		1	
			4											
			5											
			6											
			7											
			8											
			9											
			10											

Sampled By (print): Stacy Metz
Sampler's Signature: Stacy Metz
Company: RMT, Inc

How Shipped? Hand Carrier: Fed Ex
Tracking No.:

Comments: Level 2 Report
1 Week TAT

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Stacy Metz	2/24/11	1740						
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
Fed Ex						[signature]	2/25/11	0900

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SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client	RMT	Work Order #: 1102286	New / Add To
Receipt Record Page/Line #	29-10	Project Chemist	Sample #s

Recorded by (initials/date)		Qty Received	Thermometer Used	
LR 2/	[x] Cooler [ ] Box [ ] Other____	1	[x] IR Gun (#202) [ ] Digital Thermometer (#54) [ ] Other (#____)	[ ] See Additional Cooler Information Form

	Cooler 1	Cooler 2	Cooler 3	Cooler 4
Cooler # / Time	— / 1325			
Custody Seals: None	[x]	[ ]	[ ]	[ ]
Present / Intact	[ ]	[ ]	[ ]	[ ]
Present / Not Intact	[ ]	[ ]	[ ]	[ ]
Coolant Location: Dispersed / Top / Middle / Bottom	(Dispersed) / Top / Middle / (Bottom)			
Coolant/Temperature Taken Via: Loose Ice / Avg 2-3 containers	[x]	[ ]	[ ]	[ ]
Bagged Ice / Avg 2-3 containers	[x]	[ ]	[ ]	[ ]
Blue Ice / Avg 2-3 containers	[ ]	[ ]	[ ]	[ ]
■ None / Avg 2-3 containers	[ ]	[ ]	[ ]	[ ]
Alternate Temperature Taken Via: Temperature Blank (TB)	[x]	[ ]	[ ]	[ ]
1 Container	[ ]	[ ]	[ ]	[ ]

Cooler 1:

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			1.9
TB location: Representative / Not Representative			
1	3.4	—	3.4
2	3.1	—	3.1
3	2.8	—	2.8
Average °C			3.1

Coolers 2–4: Recorded °C / Correction Factor °C / Actual °C; Temp Blank; TB location: Representative / Not Representative; 1; 2; 3; Average °C (blank)

	Cooler 1	Cooler 2	Cooler 3	Cooler 4
Cooler ID on COC?	[ ]	[ ]	[ ]	[ ]
VOC Trip Blank received?	[x]	[ ]	[ ]	[ ]

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

Paperwork Received

[ ] No COC Received

N/A	Yes	No	
	[x]	[ ]	Chain of Custody record(s)?
	[ ]		If No, COC Initiated By ________
	[x]		Rec'd for Lab Signed/Date/Time?
[ ]	[x]		Shipping document?
[x]	[ ]		Other ________

COC ID #s

[x] TriMatrix 130735

[ ] Other (Name or ID#) ________

Check COC for Accuracy

[ ] No analysis requested

Yes	No	
[x]	■	Sample ID matches COC?
[x]	■	Sample Date and Time matches COC?
[x]		Container type completed on COC?
[x]	■	All container types indicated are received?

Sample Condition Summary

Missing Sample

[ ] Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	[x]	Broken containers/lids?
	■	[x]	Missing or incomplete labels?
	■	[x]	Illegible information on labels?
	■	[x]	Low volume received?
	■	[x]	Inappropriate containers received?
[ ]	■	[ ]	VOC vials / TOX containers have headspace?
[ ]	■	[ ]	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	[x]	■	Average sample temperature ≤6° C?
[x]	[ ]		Completed Sample Preservation Verification Form?
[x]	[ ]	■	Samples preserved correctly?
[x]	[ ]		If "No", added orange tag?
[x]	[ ]		Received pre-preserved VOC soils?

[ ] MeOH [ ] Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

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

- [ ] NONE RECEIVED
- [x] RECEIVED, COCs TO LAB(S)

Notes

[x] 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?
2/25/11 0900	2/25/11 1336	Yes / (No)

TRIMATRIX LABORATORIES

SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client: RMT

Work Order #: 1102286

Receipt Log #: 29-10

Completed By (initials/date): LM 2/25/11

Project Chemist:

List non-conformance issues associated with this work order in the chart below/left. Identify discrepancies between the COC and sample tags in the chart below/right. Add comments as needed.

COC ID #	Line #	Type of Problem										COC					Sample Tag					Line Item Comments
		Discrepancy	Missing Container	Broken Container	Label Missing / Incomplete	Label Illegible	Low Volume	Inappropriate Container	Headspace	Not Listed on COC	Preservation	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	Sample Field ID	Date Sampled	Time Sampled	Container Type	Qty	
130234	6		2									B-49 7-9	2/22/11	1739								

General Comments:

Project Chemist (initials/date)

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
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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-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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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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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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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

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)

5560 Corporate Exchange Court SE ♦ Grand Rapids, MI 49512 ♦ 616.975.4500 ♦ Fax 616.942.7463 ♦ www.trimatrixlabs.com

TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1103023**
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	**MW-1s**	Sampled:	02/25/11 12:06
Lab Sample ID:	**1103023-01**	Sampled By:	J. Jasso
Matrix:	Water	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

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**RMT, Inc. - Ann Arbor Office**	Work Order:	**1103023**
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	**MW-1s**	Sampled:	02/25/11 12:06
Lab Sample ID:	**1103023-01**	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	**1.1**	0.50	mg/L	1	SM 5310 C 20th	03/07/11 16:02	GEH	1101674

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TRIMATRIX LABORATORIES

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

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

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TRIMATRIX LABORATORIES

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

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TRIMATRIX LABORATORIES

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

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TRIMATRIX LABORATORIES

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

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STATEMENT OF DATA QUALIFICATIONS

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

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TriMatrix Laboratories, Inc.

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

Chain of Custody Record

COC No. 130740

Page 1 of 1

For Lab Use Only

Cart: 2
VOA Rack/Tray: -
Receipt Log No.: 35-19
Project Chemist: JLR
Laboratory Project No.: 1103023

Client Name: RMT Inc
Address: 3754 Ranchero Dr
Ann Arbor MI 48108
Phone: 734 971 7080
Fax:

Project Name: TPC
Client Project No./P.O. No.: 02751.16
Invoice No.: ☒ Client ☐ Other (comments)
Contact/Report To: Stacy Metz

Analyses Requested

Container Type (corresponds to Container Packing List): B = Total Metals, C = TOC

Number of Containers Submitted

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	B	C	Total	Sample Comments
06		01	1	MW-1S	2670	2/25/11	1206		X	GW	1	3	4	
"		02	2	MW-9S	↓	↓	1053		X	↓	1	3	4	
			3											
			4											
			5											
			6											
			7											
			8											
			9											
			10											

Sampled By (print): Javier Jasso
Sampler's Signature: Stacy Metz for J. Jasso
Company: RMT

How Shipped? Hand (Carrier)
Tracking No.:

Comments: Level 2 Report Fe Ca Pb (Dissolved) Mg Mn JLR

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Javier Jasso	2/25/11	1600					3-1-11	1725
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
	3-1-11	1325				J. Nadolin	3/1/11	1725

TriMatrixCOC – COC

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

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: RMT, INC.	Work Order #: 1103023
Receipt Record Page/Line #: 35-19	New / Add To; Project Chemist; Sample #s

Recorded by (initials/date): QN 3/1/11

☑ Cooler ☐ Box ☐ Other____ — Qty Received: 1

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

Cooler # / Time	Cooler # / Time	Cooler # / Time	Cooler # / Time
1M2570 / 1858			

Cooler 1

Custody Seals: ☑ None ☐ Present / Intact ☐ Present / Not Intact

Coolant Location: Dispersed / Top / Middle / Bottom (Dispersed circled)

Coolant/Temperature Taken Via: ☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers

Alternate Temperature Taken Via: ☑ Temperature Blank (TB) ☐ 1 Container

	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:		0	2.3
TB location: Representative / Not Representative (Representative circled)			
1	2.9	0	2.9
2	2.4	0	2.4
3	4.6	0	4.6
		Average °C	3.3

☑ Cooler ID on COC? ☐ VOC Trip Blank received?

(Coolers 2–4: blank, same fields: Custody Seals: ☐ None ☐ Present / Intact ☐ Present / Not Intact; Coolant Location: Dispersed / Top / Middle / Bottom; Coolant/Temperature Taken Via: ☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ■ None / Avg 2-3 containers; Alternate Temperature Taken Via: ☐ Temperature Blank (TB) ☐ 1 Container; Recorded °C / Correction Factor °C / Actual °C; Temp Blank; TB location: Representative / Not Representative; 1, 2, 3; Average °C; ☐ Cooler ID on COC? ☐ VOC Trip Blank received?)

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

Paperwork Received

☐ No COC Received

N/A	Yes	No	
	☑	☐	Chain of Custody record(s)?
	☐		If No, COC Initiated By ____
	☑		Rec'd for Lab Signed/Date/Time?
☑	☐		Shipping document?
☑	☐		Other ____

COC ID #s

☑ TriMatrix 130740

☐ Other (Name or ID#) ____

Check COC for Accuracy

☐ No analysis requested

Yes	No	
☑	■	Sample ID matches COC?
☐	☑	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	■	All container types indicated are received?

Sample Condition Summary

☐ Non-TriMatrix containers, see Notes

N/A	Yes	No	
	■	☑	Broken containers/lids?
	■	☑	Missing or incomplete labels?
	■	☑	Illegible information on labels?
	■	☑	Low volume received?
	■	☑	Inappropriate containers received?
☑	■	☐	VOC vials / TOX containers have headspace?
☑	■	☐	Extra sample locations / containers not listed on COC?

Check Sample Preservation

N/A	Yes	No	
	☑	■	Average sample temperature ≤6° C?
☐	☑		Completed Sample Preservation Verification Form?
☐	☑	■	Samples preserved correctly?
☑	☐		If "No", added orange tag?
☑	☐		Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

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

AFTER HOURS ONLY: COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC
☐ No COC received, Proj. Chemist reviewed (Init/Date) ____
☐ No analysis requested, Proj. Chemist completed (Init/Date) ____

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
QN 3/1/11	QN 3/1/11	Yes / No

TRIMATRIX LABORATORIES — SAMPLE PRESERVATION VERIFICATION FORM

Client		Work Order #	
RMT INC		1103023	
Receipt Log #	Completed By (initials/date)	Project Chemist	
35-19	DNS 5/11/11	JLR	

COC ID # 130740

Adjusted by: _____ Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		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

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_2SO_4	H_2SO_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

Ph Strip Lot #

☑ HC075211

☐ _____

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

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

Technical Memorandum

Attachment E

Hydraulic Conductivity Data

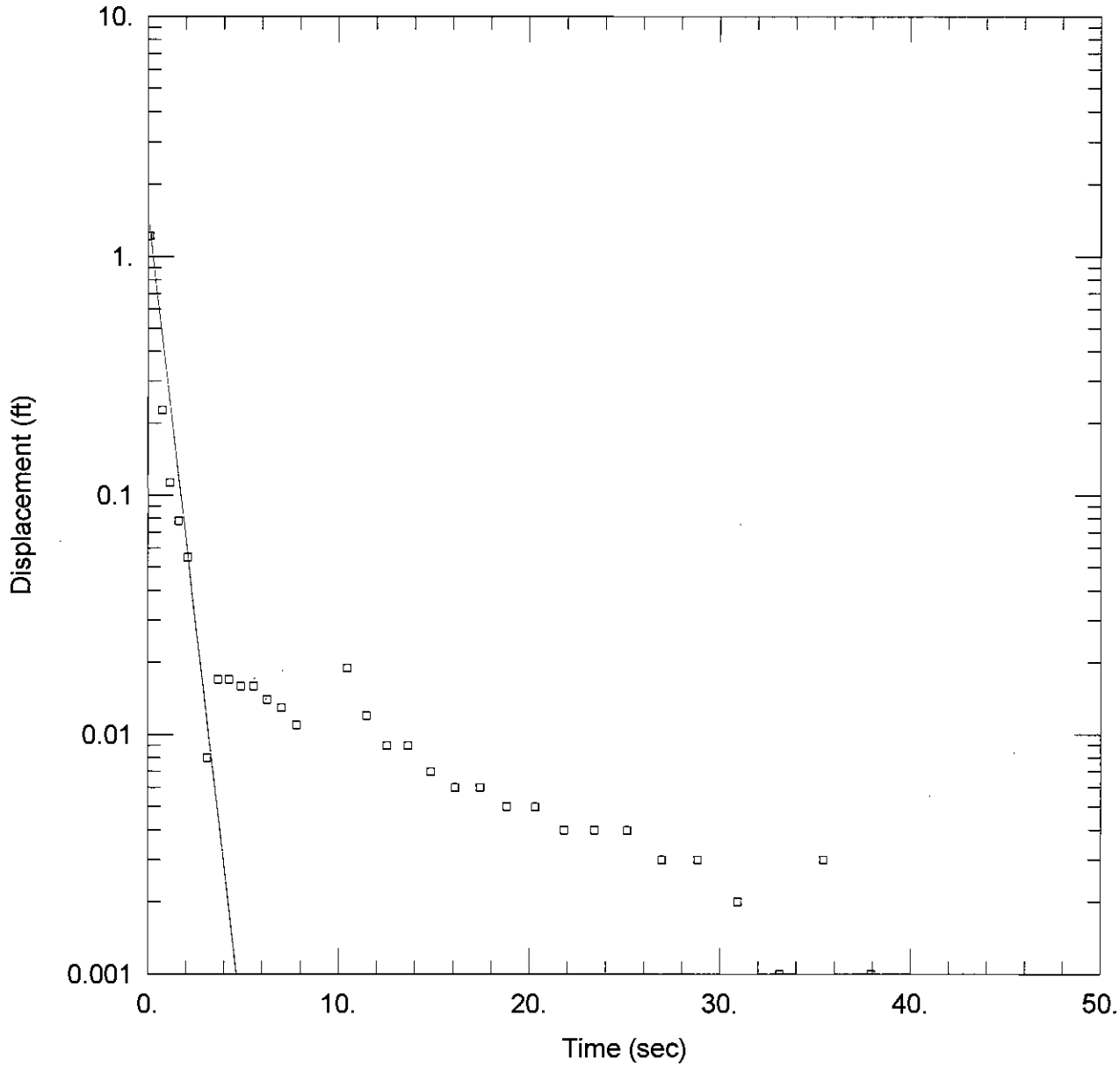
Table E-1
Summary of Single Well Response Test Results
Former Tecumseh Products Company Site
Tecumseh, Michigan

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	7.52E+01	2.65E-02
Maximum Hydraulic Conductivity	1.41E+02	4.99E-02
Average Hydraulic Conductivity	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: Bouwer-Rice

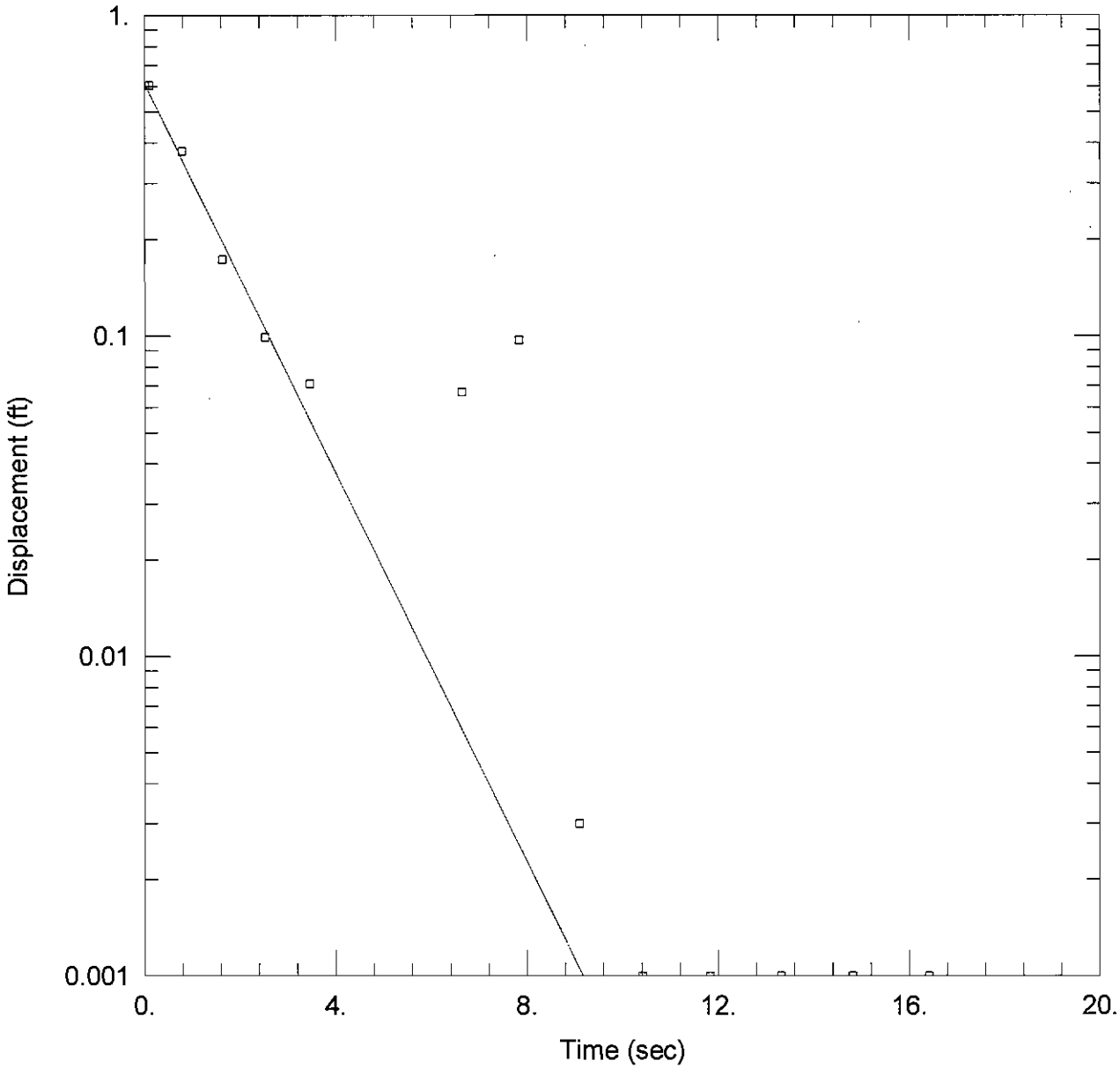
K = 190.5 ft/day
y0 = 1.526 ft

AQUIFER DATA

Saturated Thickness: 39. ft
Anisotropy Ratio (Kz/Kr): 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 Porosity: 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

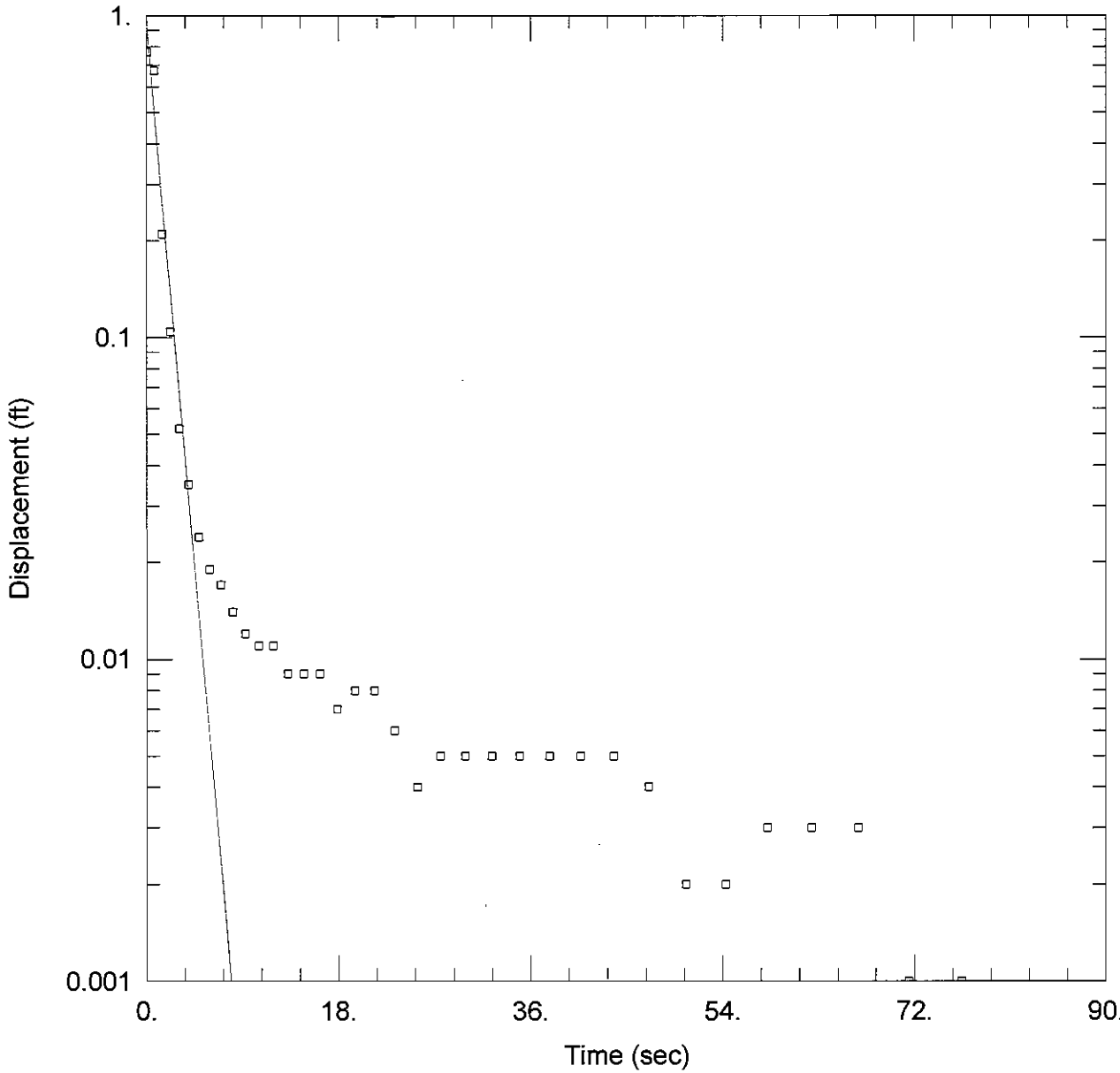
K = 84.8 ft/day
y0 = 0.6133 ft

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

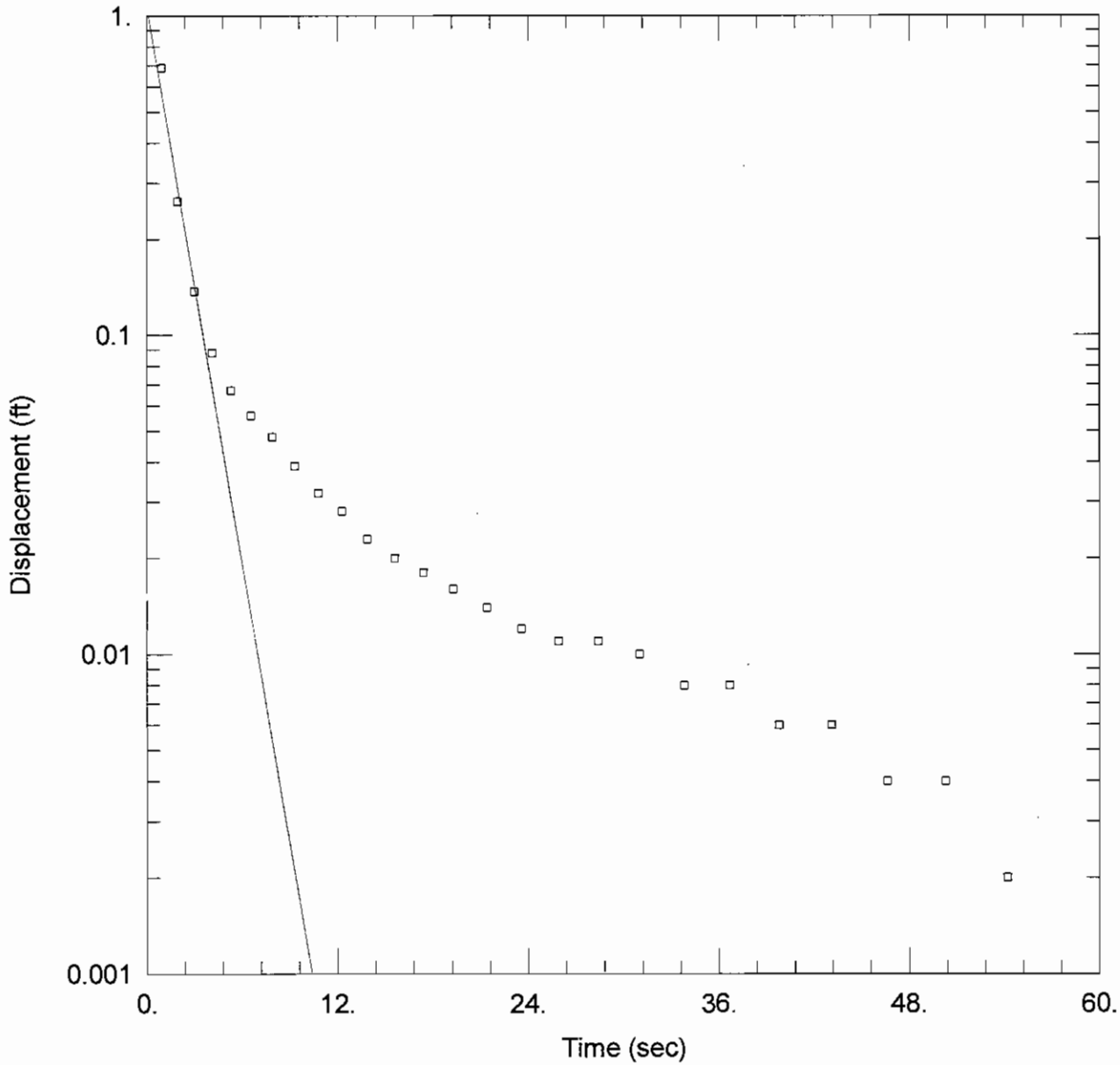
K = 120. ft/day
y0 = 0.9276 ft

AQUIFER DATA

Saturated Thickness: 39. ft
Anisotropy Ratio (Kz/Kr): 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

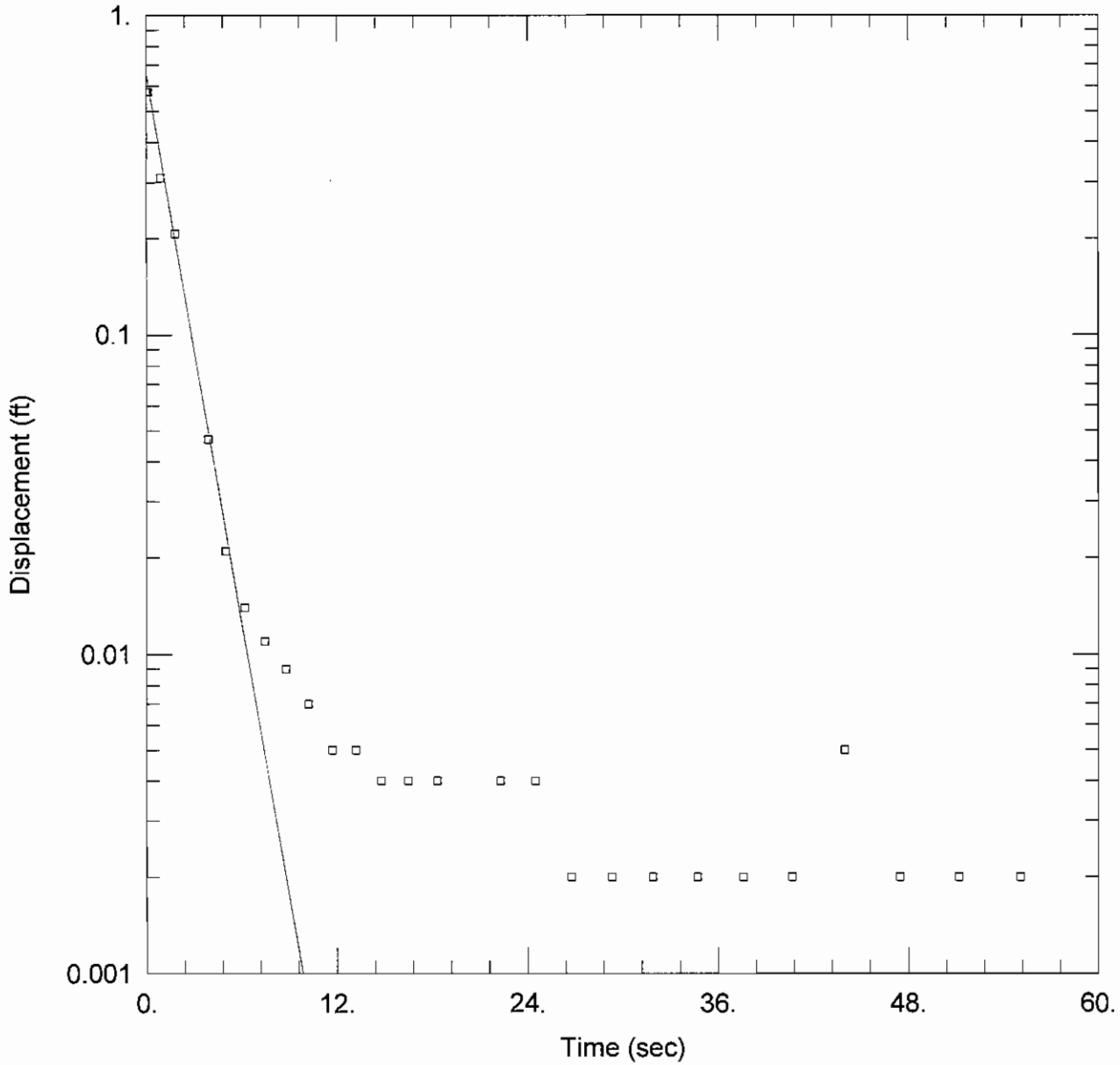
K = 94.06 ft/day
y0 = 1.087 ft

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: Bouwer-Rice

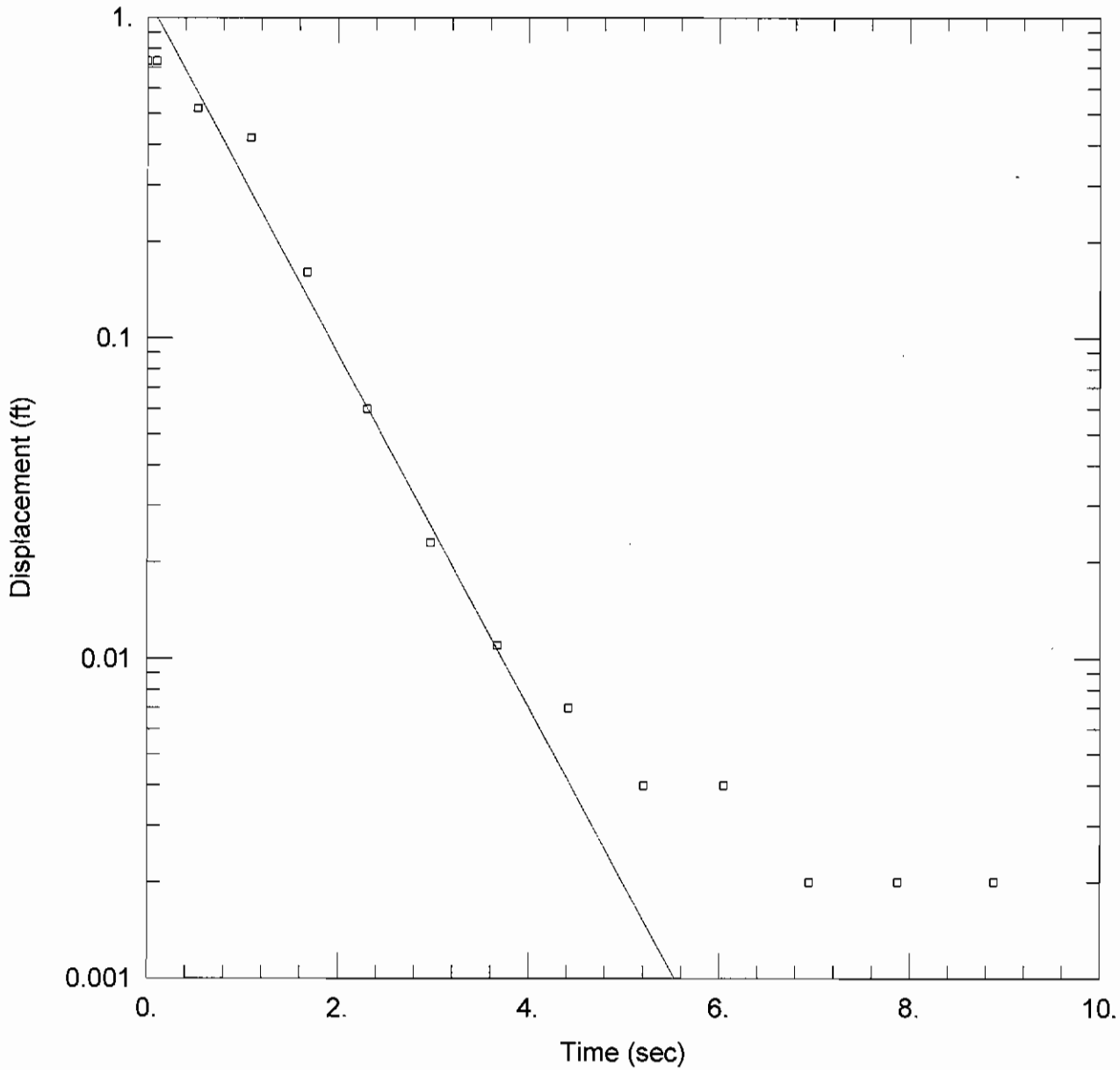
K = 96.32 ft/day
y0 = 0.652 ft

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

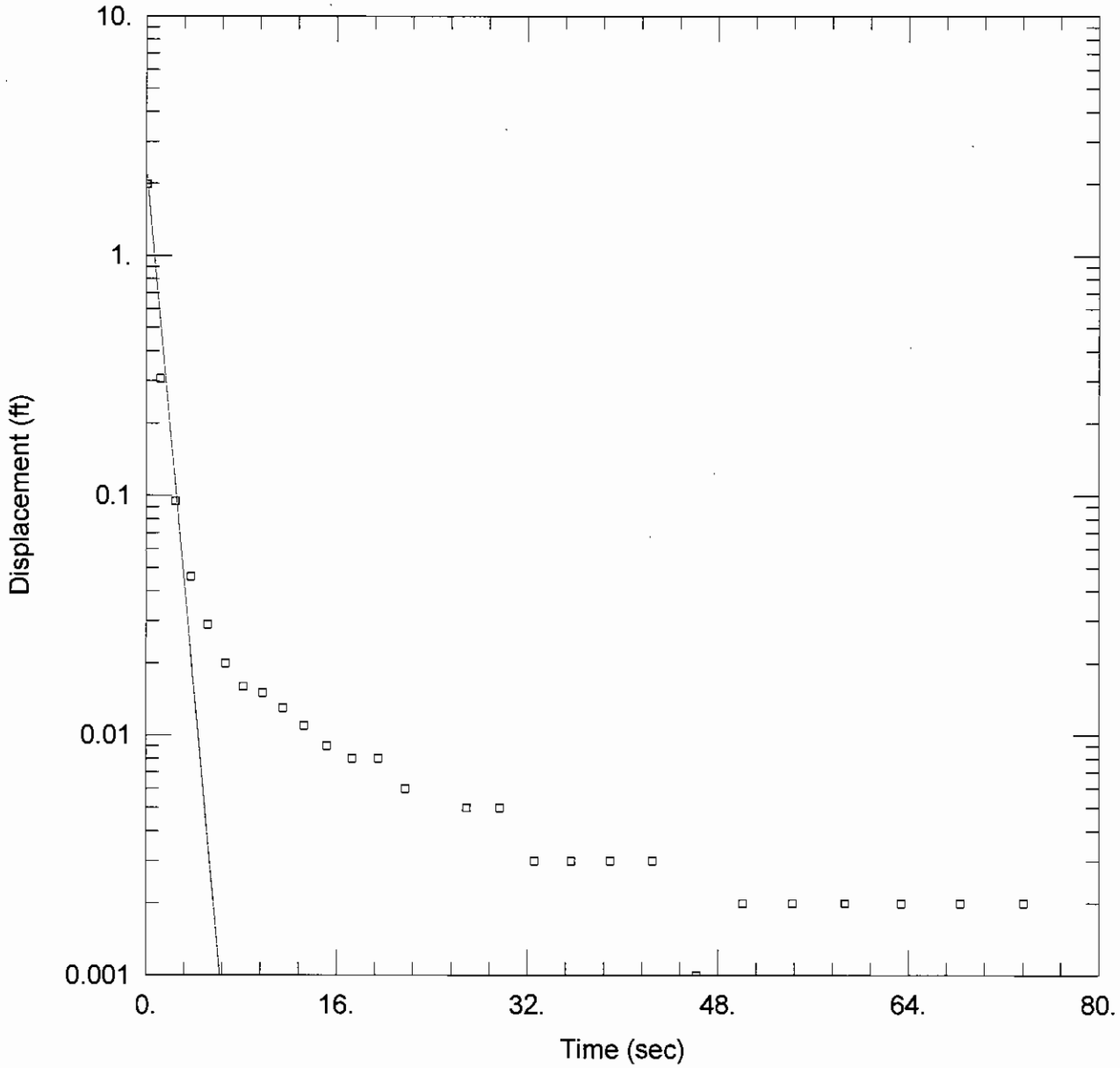
K = 186.4 ft/day
y0 = 1.143 ft

AQUIFER DATA

Saturated Thickness: 39. ft
Anisotropy Ratio (Kz/Kr): 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

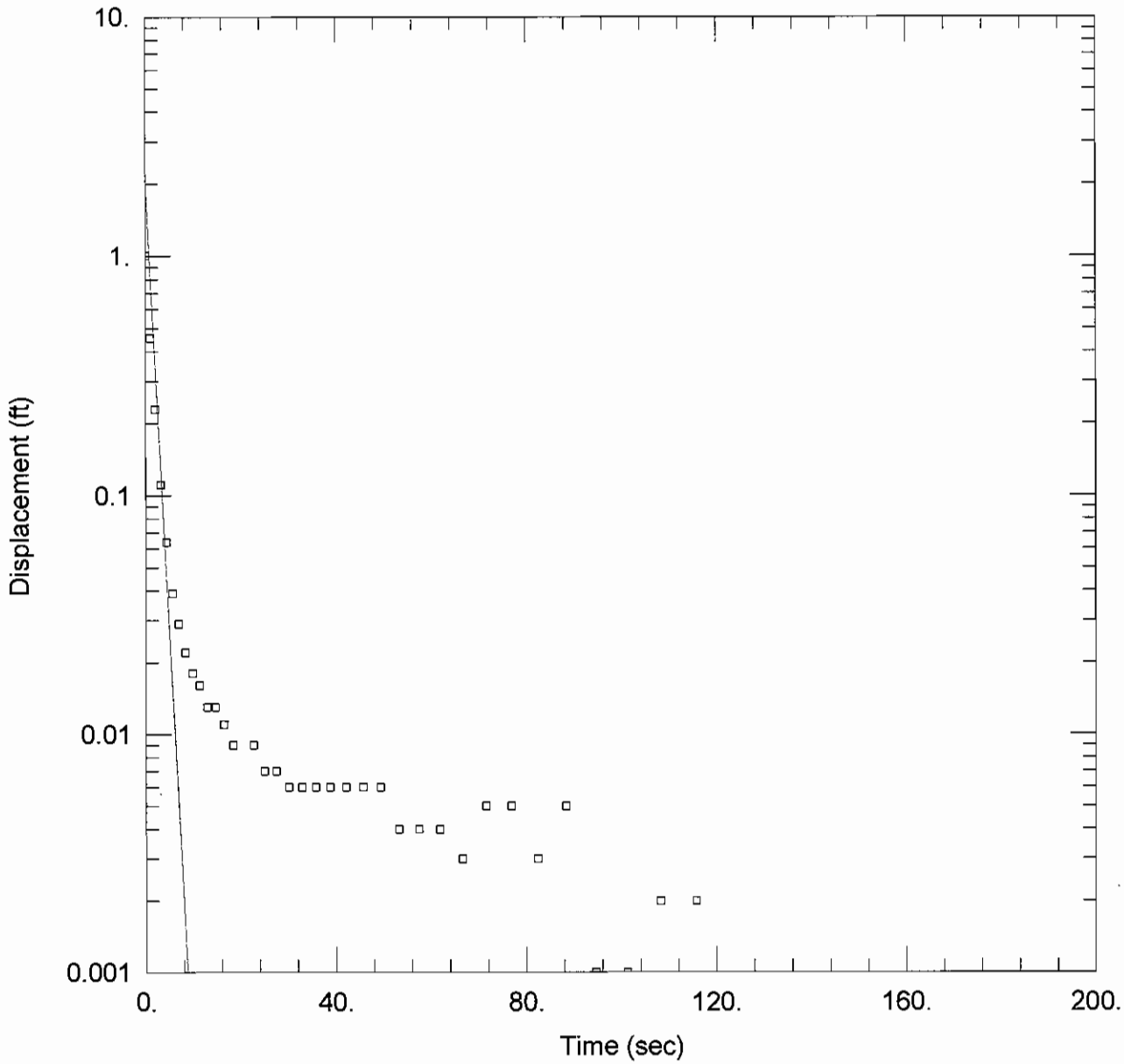
K = 88.94 ft/day
y0 = 2.417 ft

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