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July 15, 2011

Michelle Mullin  
Project Manager  
USEPA, Region 5  
77 West Jackson Boulevard  
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Chicago, IL 60604-3590

**Subject: RCRA 3008(h) Administrative Order on Consent (RCRA-05-2010-0012) –  
Tecumseh Products Company  
Second Quarter 2011 Progress Report – MID 005-049-440**

Dear Ms. Mullin:

Pursuant to Section VI of the above referenced Administrative Order on Consent (Consent Order) effective March 29, 2010, TRC Environmental Corporation (TRC), on behalf of the Respondent, Tecumseh Products Company (TPC) submits this Second Quarter 2011 Progress Report. This report covers activities related to the Consent Order completed by TPC during the Second Quarter 2011 and planned for completion in the near future. The organization of this document includes as major headings the items required under Sections V through VIII of the Consent Order.

## V. Project Manager

- The TPC Project Manager is Graham Crockford of TRC, formerly RMT, Inc.<sup>1</sup>
- The USEPA Project Manager is Michelle Mullin.

## VI. Work to be Performed – Remedial Investigation Report and Environmental Indicators Reports

1. A Description of activities related to the completion of the Remedial Investigation (RI) Report and the Environmental Indicator (EI) Reports:

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<sup>1</sup> On June 6, 2011 TRC acquired the Environmental Business Unit of RMT, Inc. For purposes of this and future reports, references to TRC are inclusive of RMT, Inc., prior to its acquisition by TRC.

■ **Investigation Activities**

- **Characterize Releases at or from the Facility** – Results of the preliminary on-site investigations are presented in the following documents: Environmental Site Assessment for Tecumseh Products Company, Tecumseh, Michigan (ENVIRON, October 2007), Phase I Environmental Site Assessment for the Tecumseh Products (Atwell-Hicks, October 2008), Phase II Environmental Site Assessment, Tecumseh Products Company (ATC, September 2009), the Current Conditions Report (RMT, September 2009), and the January 10, 2011 Technical Memorandum titled, “Summary of 2010 Soil and Groundwater Source Area Investigation Activities,” which was submitted with the Fourth Quarter 2010 Quarterly Progress Report.
- **Define Appropriate Screening Criteria** – As described in the September 2009 Current Conditions Report (CCR), the Michigan Department of Environmental Quality (MDEQ) Part 201 Criteria will typically be used to assess risk related to ingestion the of, or direct contact with, affected media. Currently groundwater data indicate that groundwater in a well upgradient of the River Raisin, has concentrations slightly above generic Part 201 groundwater/surface water interface (GSI) criteria. Although it is unlikely that the concentrations of volatile organic compounds (VOCs) venting to the River Raisin represent a risk to the environment, a mixing zone determination requesting site specific GSI criteria may be submitted to MDEQ.

Proposed screening levels for the volatilization to indoor air migration pathway were included in Technical Memorandum titled “Summary of Off-Site Soil Gas Investigation Activities – March through April 2010, Former Tecumseh Products Company Site, Tecumseh, Michigan” which was submitted as part of the Second Quarter 2010 Progress Report. Proposed groundwater screening levels for the volatilization to indoor air migration pathway (GWSLs) were accepted by USEPA in a comment letter dated August 24, 2010. In the comment letter dated August 24, 2010, Michelle Mullin of USEPA provided alternative residential soil gas screening levels (SGSLs) calculated using an attenuation factor of 0.1. TPC maintains that a soil gas attenuation factor of 0.1 is excessively conservative.

Data in the USEPA vapor intrusion database is composed primarily of data from single family residential buildings. The potential for volatilization to indoor air is much different in commercial and industrial structures, such as those around the perimeter of the former TPC site. Commercial/industrial building properties (slab-on-grade construction, larger building

footprints, industrial air handling systems, higher ceilings, more indoor-outdoor air exchange due to loading dock activities, etc.) are expected to result in a lower attenuation factor at these properties. Based on an evaluation of paired indoor air/sub-slab soil gas data from the TPC manufacturing facility, TPC believes that an attenuation factor of 0.003 is a reasonable, conservative, soil gas attenuation factor for commercial and industrial properties around the TPC site.

- **Define Any Unacceptable Risks to Human Health** – Potential exposure pathways are evaluated in the CCR. As described in the CCR, potentially complete human exposure pathways include the ingestion of affected groundwater and volatilization to indoor air. Water supply sources that are, or have the potential to be, affected by the off-site migration of contaminants were defined in the CCR. An updated evaluation of the potential for off-site vapor intrusion at the site was provided in the January 11, 2011 Technical Memorandum titled, “Summary of Third and Fourth Quarter 2010 Soil Gas Monitoring Data and Activities Completed to Evaluate the Potential for Off-Site Vapor Intrusion,” which was submitted with the Fourth Quarter 2010 Quarterly Progress Report. Investigation of the potentially complete, volatilization to indoor air migration pathway is ongoing. A table of the most recent soil gas data, including data from the first and second quarter 2011 soil gas sample events, is included as Appendix A.
- **Define Any Unacceptable Risks to the Environment** – The potential for unacceptable risk to the environment related to the discharge of affected groundwater to nearby surface water and wetlands was partially defined in the September 2009 CCR and the February 2010 Technical Memorandum titled Status Update – Characterization of Volatile Organic Compounds in Groundwater. Further investigation was conducted between March 2010 and June 2010 to define the maximum extent of affected groundwater. The results of this investigation were included in a Technical Memorandum titled “Summary of Groundwater Investigation Activities – March 2010 through June 2010, Former Tecumseh Products Company Site, Tecumseh, Michigan,” which was submitted with the Second Quarter 2010 Progress Report. Currently groundwater data indicate that groundwater in a well upgradient of the River Raisin, has concentrations of trichloroethene (TCE) above generic Part 201 GSI criteria. Although it is unlikely that the concentrations of VOCs venting to the River Raisin represent a risk to the environment, a mixing zone determination requesting site specific GSI criteria may be submitted to MDEQ. Site-specific, mixing zone based GSI criteria typically range between ten times the generic GSI criterion (2,000 ug/L for TCE) and the MDEQ final acute value (3,500 ug/L for TCE). Therefore, the site-specific mixing zone



based GSI criterion for TCE at the former TPC site is expected to be well above groundwater concentrations near the River Raisin (up to 300 ug/L).

- **Determine the Stability of Contaminated Groundwater** – A quarterly groundwater monitoring program is underway to assess the stability of contaminated groundwater. Concentrations of chlorinated volatile organic compounds (CVOCs) at previously sampled locations are generally consistent with historic data. (See Appendix B for a copy of the July 8, 2011 Technical Memorandum titled, “Second Quarter 2011 Groundwater Monitoring Event.”) Once a sufficient quantity of data (typically eight sample events at each location) has been collected, TRC will statistically assess the stability of the CVOCs in groundwater using Mann-Kendall Trend Tests, and other means as appropriate.

■ **Presumptive Corrective Measures**

- **Decommission Affected Private Wells** – Two off-site private wells with affected water were identified. The first was decommissioned in 2009 (parcel number 323-0330-00) and the second was decommissioned in November 2010 (parcel number 325-0322-00). Other private wells that are currently used as a primary water source within the area of potentially affected groundwater have been monitored to confirm that VOCs were not detected.
- **Declaration of Restrictive Covenant** – As part of the Purchase Agreement between TPC and Tecumseh Bakery, LLC, a Declaration of Restrictive Covenant for the facility was recorded with the Lenawee County Register of Deeds. This Restrictive Covenant restricts the installation and use of on-site wells (excluding monitoring wells or other wells installed as part of the environmental work) and restricts Residential and Commercial I land use as defined by the MDEQ at the facility. The License Agreement Regarding Environmental Work provides provisions for additional restrictions to be placed on the property as needed.
- **Enact Local Groundwater Use Ordinance** – The City of Tecumseh and TPC worked with the MDEQ to develop a Groundwater Use Ordinance, which the City of Tecumseh passed on June 6, 2011. This ordinance restricts groundwater use within a restricted area which includes the area of affected groundwater as well as an approximately one block buffer zone around the area of affected groundwater. Groundwater use is restricted as follows:
  - The installation, development, maintenance, and use of private water wells is prohibited;
  - Connection to the municipal water supply is required; and
  - Existing private water wells must be abandoned.



- **Decommission Private Wells in the Vicinity of Affected Groundwater** – In conjunction with the preparation of the Groundwater Use Ordinance, TPC agreed to identify and abandon, with owner consent, private wells within the restricted zone. On March 25, 2011 RMT, on behalf of TPC, mailed a letter to each of the property owners affected by the proposed ordinance. The letters included a well survey card. On May 10, 2011 and again on June 30, 2011, follow-up letters with additional copies of the well survey cards were sent to property owners which had not yet responded. The well survey has not identified any additional wells that are used as a primary water source. TPC has initiated communication with private well owners regarding the municipal water connection and well abandonment at properties where private wells are used as the primary water source.
- **Mitigation of Indoor Air (On-Site)** – Recommendations to control the potential for volatilization to indoor air in P-Building (the proposed primary use area for Tecumseh Bakery) were submitted to Tecumseh Bakery in March 2010. A report entitled “Investigation and Mitigation Strategy for Indoor Air – Secondary Use Area Former Tecumseh Products Company (TPC) Manufacturing Facility Tecumseh, Michigan” was submitted to Tecumseh Bakery in June 2010. These areas remain unoccupied, and TPC is unaware of any plans for future building use. TPC has purchased a new facility for their engineering research and development laboratories, and plans to relocate the remaining TPC staff to this facility in fourth quarter 2011/first quarter 2012.

**Mitigation of Indoor Air (Off-Site)** – Characterization of the potential for volatilization to indoor air at off-site locations is in progress. At present, five residential properties have been identified in the vicinity of soil gas sample points where soil gas concentrations suggest that further investigation may be warranted based on USEPA proposed SGSs. During the second quarter 2011, TRC conducted on-site consultations at each of these properties to evaluate the potential for vapor intrusion and to aid in system design. TPC has submitted workplans to install a sub-slab depressurization/ventilation (SSDV) system as a presumptive remedy at two of the properties, and has proposed additional evaluation of the potential vapor intrusion migration pathway at the remaining three properties.

Groundwater investigation activities have found that shallow groundwater, affected by CVOCs, was migrating off-site above GWSLs. In May 2011, a permeable reactive barrier (PRB) was installed downgradient of the southern source area, along the former TPC site property line. This PRB is an interim, proactive, corrective measure designed to address the potential off-site vapor intrusion pathway, by treating shallow CVOC-affected groundwater before the groundwater migrates off-site.

- **Control Unacceptable Risks to the Environment** – At present no unacceptable risks to the environment have been identified.
- **Stabilize Migration of Contaminated Groundwater** – The determination of stability of the affected groundwater is ongoing. A monitoring well network has been installed, and quarterly monitoring is underway to determine stability.

■ **Reporting**

- **Environmental Indicators Report: Current Human Exposures under Control** – TRC will prepare the Environmental Indicators (Human Exposures) Report following completion of the tasks listed above which relate to the control of any significant or unacceptable current human exposures. This Environmental Indicators (Human Exposures) Report will be submitted to the USEPA no later than September 29, 2011.
- **Environmental Indicators Report: Groundwater Stabilized** – TRC will prepare the Environmental Indicators (Groundwater Stabilized) Report following completion of the tasks listed above which relate to the stabilization of groundwater contamination. This Environmental Indicators (Groundwater Stabilized) Report will be submitted to the USEPA no later than September 29, 2012.
- **Remedial Investigation Report** – TRC will prepare the Remedial Investigation Report following completion of remedial investigation activities which determine the nature and extent of any releases of hazardous waste and hazardous constituents at or from the facility. This Remedial Investigation Report will be submitted to the USEPA no later than September 29, 2012.

2. **Estimate of Percentage of Work Completed:**

- Work related to Remedial Investigation Report: 60% complete
- Work related to the Environmental Indicators Report – Current Human Exposures Under Control: 85% complete
- Work related to the Environmental Indicators Report – Groundwater Stabilized: 60% complete



### 3. A Summary of Activities during the Reporting Period

- Work related to evaluating the potential need for, and if necessary, the control of on-site human exposures
  - April 2011 – A limited aromatic petroleum hydrocarbon investigation to determine whether the presence of petroleum hydrocarbons detected during PRB investigation activities at soil boring B-52 would affect PRB design or construction activities. A technical memorandum, summarizing these investigation activities is included as Appendix C.
  - April 2011 through June 2011 – TPC has continued the evaluation of potential source area control measures.
- Work related to evaluating the potential need for, and if necessary, the control of off-site human exposures
  - April 2011 – MDEQ confirmed that a groundwater discharge permit exemption was not required for the injected portion of the PRB.
  - April 2011 – TRC conducted site reconnaissance of the groundwater seep located adjacent to the former Blood Road Bridge, which, according to USEPA, has reportedly been used by residents to fill water bottles during outdoor recreational activities. TRC observed the groundwater seep. No well, fountain, or other device to facilitate the collection of seeping groundwater was observed. The groundwater seep was of insufficient volume to fill a water bottle or cupped hands directly.
  - April 2011 and May 2011 – On-site consultations were conducted at the five residential properties downgradient of the southern source area to evaluate the potential for vapor intrusion and to aid in potential SSDV system design.
  - May 2011 – Workplans to install a SSDV system as a presumptive remedy to address the potential for vapor intrusion at two of the residential properties were submitted to USEPA for review.
  - May 2011 – A Revised Workplan to install a PRB downgradient of the southern source area was prepared to address USEPA comments.
  - May 2011 – A PRB was installed downgradient of the southern source area as an interim, proactive, corrective measure designed to address the potential off-site vapor intrusion



pathway, by treating shallow CVOC-affected groundwater before the groundwater migrates off-site.

- May 2011 – A follow-up letter including a second copy of the well survey card was sent to the property owners who had not yet returned the wells survey card sent in March 2011.
- June 2011 – The City of Tecumseh passed a groundwater use ordinance which prohibits the installation and use of private wells within and around the area of affected groundwater.
- June 2011 – In conjunction with passage of the Groundwater Use Ordinance, TPC initiated communication with private well owners regarding the municipal water connection and well abandonment at properties where private wells are used as the primary water source.
- June 2011 – A follow-up letter including a third copy of the well survey card was sent to the remaining property owners who had not yet returned their wells survey card.
- June 2011 – A technical memorandum summarizing the findings of the on-site vapor intrusion consultation at the three residential properties located along Maumee Street was submitted to USEPA for review. Additional evaluation of the potential vapor intrusion migration pathway was recommended to determine if installation of a presumptive remedy is merited.
- June 2011 – A round of off-site soil gas samples was collected.
- Work related to evaluating the stabilization/migration of affected groundwater
  - April 2011 through May 2011 – the second quarter groundwater sample event was conducted.
  - June 2011 – an evaluation of second quarter 2011 groundwater data was performed (Appendix B).

#### 4. A Summary of Contacts with Representatives of Local Community, Public Interest Groups, or State Government during the Reporting Period

- As described above TPC communicated with the City of Tecumseh and the MDEQ regarding the groundwater use ordinance.



- TPC communicated with the City of Tecumseh in order to update the public repository at City Hall.
- TRC communicated with MDEQ to determine whether a groundwater discharge permit exemption would be required prior to PRB installation.
- TPC communicated with the City of Tecumseh regarding PRB installation activities including permit requirements, if any, connection to and use of municipal water for installation activities, and stormwater management.
- TRC conducted on-site consultations at five residential properties to aid in the design of possible SSDV systems.
- TPC provided two residential property owners downgradient of the southern source area with a copy of a site-specific workplan to install a SSDV system on their property.
- In May 2011 and again in June 2011, a follow-up letter requesting the return of completed well survey cards was sent to the property owners which had not yet responded to the letter regarding the groundwater use ordinance sent in March 2011.
- TPC initiated communication with private well owners regarding municipal water connection and well abandonment at properties where private wells are used as the primary water source.

#### 5. A Summary of Problems and Potential Problems Encountered During the Reporting Period

- See the Data Quality Assurance sections in the attached technical memoranda (Appendices B and C).
- A lawsuit was filed against TPC alleging claims based on the extent of VOCs in groundwater by Ronald and Sherrie Birchfield, Taylor Birchfield, Tecumseh Tire Exchange, and Scott Lask. This suit has created three potential problems:
  - The lawsuit may hamper future sample collection at monitoring wells MW-17s, MW-22 and MW-31 and at wetland sample location WL-01. These sample locations are on, or are accessed through, property owned by Ronald and Sherrie Birchfield.
  - Despite existing access agreements, this suit may affect TPC's ability to install SSDV systems at the two residential properties owned by the plaintiffs.

- Given the lawsuit, it is not clear that the plaintiffs will allow TPC to arrange for municipal water connection and decommissioning of existing wells on the plaintiffs' properties.

## 6. Action Taken to Rectify Problems Identified Above

- See the Data Quality Assurance sections in the attached technical memoranda (Appendices B and C).
- In order to minimize the effect of the lawsuit:
  - TPC is attempting to coordinate access for quarterly monitoring activities through the plaintiffs' attorney.
  - TPC is seeking concurrence from the plaintiffs' attorney to cap wells and to install the proposed SSDV systems.

## 7. Changes in Personnel during Reporting Period

- No project personnel have changed. However, TRC acquired the Environmental Business Unit of RMT on June 6, 2011. RMT personnel who had been working on the project will continue to do so as employees of TRC.

## 8. Projected Work for the Next Reporting Period

- Work related to evaluating the potential need for, and if necessary, the control of on-site human exposures
  - Continue the evaluation of potential source area control measures; and
  - Prepare Environmental Indicators– Human Exposure under Control evaluation.
- Work related to evaluating the potential need for, and if necessary, the control of off-site human exposures
  - Install the PRB performance monitoring network; conduct in situ hydraulic conductivity tests at PRB monitoring locations, and collect an initial round of samples from PRB monitoring locations;

- As a presumptive remedy, install SSDV systems at residential properties where access agreements have been obtained, subject to any complications arising from the lawsuit by Birchfield, *et al.*, discussed above;
  - Collect crawl space air samples at the three residential properties east of the site which routinely flood with surface water, pending authorization from the attorney for Mary Speer;
  - Facilitate private well abandonment and municipal water connection within the area restricted by the City of Tecumseh’s Groundwater Use Ordinance;
  - Collect and analyze another round of off-site soil gas samples; and
  - Prepare Environmental Indicators– Human Exposure under Control evaluation.
- Work related to evaluating the stabilization/migration of affected groundwater:
- Conduct the third quarter groundwater sampling event;
  - Evaluate third quarter groundwater sample event data; and
  - Following receipt of USEPA comments, finalize the Quality Assurance Project Plan (QAPP).

## **VI. Work to be Performed – Final Corrective Measures Proposal**

Preparation of the Final Corrective Measures Proposal will be initiated following completion of the Remedial Investigation Report and the Environmental Indicators Reports.

## **VI. Work to be Performed – Final Corrective Measures Implementation**

Work related to the Final Corrective Measures Implementation will be initiated following USEPA’s Final Decision.

## **VI. Work to be Performed – Establish Public Repository of Information**

TPC has established a public repository in the City Clerk’s office at City Hall. A notice sheet has been posted on the bulletin board at City Hall which lists and briefly describes the documents included in the public repository. TPC will update the public repository as appropriate.

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## VII. Access

Prior to the installation of four monitoring wells (MW-16s, MW-17s, MW-22, and MW-31), TPC obtained an access agreement with an off-site property owner so that RMT, now TRC, could access these wells for routine groundwater sampling. TPC obtained a revised access agreement which also provides access for USEPA and its representatives on May 11, 2010. On March 25, 2011, TPC obtained access agreements to install SSDV systems at the residences located at 610 Mohawk Street and 704 Mohawk Street. TPC has requested access at three additional residential properties. No other access agreements are required at this time.

## VIII. Cost Estimates and Assurances of Financial Responsibility

The Initial Cost Estimate was submitted to the USEPA on April 28, 2010. USEPA approved the Cost Estimate in a letter dated June 22, 2010. TPC submitted a draft Financial Assurance document to the USEPA for review on June 23, 2010. USEPA provided comments to the draft Financial Assurance document on June 25, 2010. The Financial Assurance documents were finalized on August 20, 2010. In accordance with the Consent Order, TPC submitted an annually updated cost estimate on January 28, 2011 and updated Financial Assurance documents on March 23, 2011.

If you have any questions regarding this progress report, or the attachments, please contact me at (734) 971-7080, ext 7122, or [gcrockford@trcsolutions.com](mailto:gcrockford@trcsolutions.com).

Sincerely,

TRC Environmental Corporation



Graham Crockford, C.P.G.  
Project Manager

### Attachments

**Appendix A** – Table 1 – Summary of Chlorinated Volatile Organic Compounds in Off-Site Soil Gas

**Appendix B** – July 8, 2011 Technical Memorandum, titled “Summary of Second Quarter 2011 Groundwater Monitoring Event”

**Appendix C** – May 13, 2011 Technical Memorandum, titled “Summary of the Limited Aromatic Petroleum Hydrocarbon Investigation – April 2011”

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cc: Roger Jackson, Tecumseh Products Company  
Jason Smith, Tecumseh Products Company  
Tina Beresford, Tecumseh Products Company (TPC files)  
Douglas McClure, Conlin, McKenney & Philbrick, PC  
Stacy Metz, TRC  
City of Tecumseh - Public Repository



# Appendix A

**Table 1**  
**Summary of Chlorinated Volatile Organic Compounds in Off-Site Soil Gas**  
**Tecumseh Products Company**  
**Tecumseh, Michigan**  
**July 2011**

Analyte		1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	2-Propanol
USEPA Proposed Residential SGSLs <sup>(1)</sup>		38	2.4	525	93	158	6.2	9,360	23	11	NC
Site Specific Residential SGSLs <sup>(2)</sup>		1,300	78	17,000	3,000	5,200	210	310,000	770	360	NC
Proposed Site Specific Non-Residential SGSLs <sup>(2)</sup>		4,300	260	24,000	4,300	7,300	690	440,000	2,600	1,200	NC
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-01 (8-8.5')	4/5/2010	5.7	<2.3	4.4	17.0	<4.4	<2.3	279	396	<2.3	18100
	5/20/2010 <sup>(3)</sup>	52.4	<4.4	21.6	184	<4.4	52.1	1,690	2,800	<4.4	335,000
	10/21/2010	74.7	<16.8	<16.8	272	25.8	222	8,300	32,100	<16.8	NA
	12/9/2010	<709	<709	<709	<709	<709	<709	6,440	17,800	<709	NA
	4/13/2011	32.8	166	21.0	110	7.79	84.6	2,630	10,500	<6.7	NA
	6/7/2011	<180	<90	<180	<180	<180	98.0	1,420	7,340	<90	NA
SG-01 (DUP-01)	4/5/2010	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	15,300
	5/20/2010 <sup>(3)</sup>	63.2	<4.4	31.0	245	22.6	256	2,120	3,770	<4.4	849
SG-02 (5.5-6')	4/5/2010	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	19.6	<4.0	<4.0	27.4
	10/21/2010	<12.5	<12.5	<12.5	<12.5	<12.5	532	328	1,610	<12.5	NA
	12/9/2010 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	8.5	<3.5	<7.0	28.0	8.6	1,240	943	3,970	<3.5	NA
SG-03 (5-5.5')	4/5/2010	<2.6	<2.6	<2.6	<2.6	<5.1	<2.6	<2.6	<2.6	<2.6	53.1
	10/21/2010	91.0	<15.7	<15.7	193	90.3	<15.7	<15.7	<15.7	<15.7	NA
	12/9/2010	47.7	<11.9	<11.9	98.0	48.5	<11.9	<11.9	<11.9	<11.9	NA
	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<0.57	<0.56	<0.57	<0.58	NA
	6/27/2011	<0.36	<0.18	<0.37	<0.37	<0.37	6.8	4.8	22.3	<0.18	NA
SG-04 (5-5.5')	4/5/2010	<2.6	<1.3 <sup>(6)</sup>	<2.6	<2.6	<4.9	<2.6	<2.6	<2.6	<2.5	52.1
	9/23/2010	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	NA
	12/9/2010	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	<0.78	NA
	3/31/2011	<1.6	<1.6	<1.6	<1.6	<1.6	2.0	<1.6	<1.6	<1.6	NA
	6/7/2011	<1.0	<0.53	<1.1	<1.1	<1.1	<0.52	<1.0	<0.53	<0.54	NA

**Notes:**

- 1) USEPA proposed soil gas screening levels (SGSLs) provided in a comment letter from USEPA dated August 24, 2010.
- 2) Site Specific SGSLs were calculated used an attenuation factor (0.003). This attenuation factor was determined using the USEPA Johnson and Ettinger Model calculation spreadsheet, Version 3.1. The site specific model used the spreadsheet default parameters conservatively assuming a sand substrate, a depth to foundation of 200 cm (basement), and a sample depth of 200 cm.
- 3) Elevated concentrations of 2-propanol (tracer) detected; DUP-01 results from 5/20/10 reflect true soil gas concentrations. Tracer concentration from SG-01 and analytical data from DUP-01 suggests that sample was diluted with approximately 30-percent ambient air.
- 4) Elevated concentrations of 2-propanol (tracer) detected. Analytical data for other analytes are presumed to be invalid (-).
- 5) Water in sample point prevented sample collection.
- 6) Analyte was evaluated for detection to the method detection limit.

**Bold font** denotes concentrations detected above laboratory reporting limits.

**Green background** Denotes concentrations above one or more soil gas screening level

ppbv - parts per billion by volume

NC - No Criteria

NS - No Sample

NA - Not Applicable

**Table 1**  
**Summary of Chlorinated Volatile Organic Compounds in Off-Site Soil Gas**  
**Tecumseh Products Company**  
**Tecumseh, Michigan**  
**July 2011**

Analyte		1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	2-Propanol
USEPA Proposed Residential SGSLs <sup>(1)</sup>		38	2.4	525	93	158	6.2	9,360	23	11	NC
Site Specific Residential SGSLs <sup>(2)</sup>		1,300	78	17,000	3,000	5,200	210	310,000	770	360	NC
Proposed Site Specific Non-Residential SGSLs <sup>(2)</sup>		4,300	260	24,000	4,300	7,300	690	440,000	2,600	1,200	NC
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-05 (7.5-8')	4/5/2010	<2.6	<2.6	<2.6	<2.6	<4.9	<2.6	<b>28.7</b>	<b>26.6</b>	<2.5	103
	10/21/2010	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<b>708</b>	<b>1,320</b>	<16.8	NA
	12/9/2010	<15.7	<15.7	<15.7	<15.7	<15.7	<15.7	<b>357</b>	<b>538</b>	<15.7	NA
	3/31/2011 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<0.17	<b>2.2</b>	<b>0.20</b>	<0.17	NA
SG-05 (DUP-01)	10/21/2010	<16.8	<16.8	<16.8	<16.8	<16.8	<16.8	<b>581</b>	<b>1,020</b>	<16.8	NA
	12/9/2010	<211	<211	<211	<211	<211	<211	<b>772</b>	<b>849</b>	<211	NA
SG-06 (8-8.5')	4/5/2010	<2.6	<2.6	<2.6	<2.6	<4.9	<2.6	<2.6	<b>7.2</b>	<2.5	41,200
	5/20/2010	<4.6	<4.6	<4.6	<4.6	<4.6	<b>9.5</b>	<b>6.0</b>	<b>104</b>	<4.6	1,570
	9/21/2010	<29.2	<29.2	<29.2	<29.2	<29.2	<b>62.2</b>	<29.2	<b>263</b>	<29.2	NA
	12/9/2010	<3.9	<3.9	<3.9	<b>6.1</b>	<3.9	<b>4.3</b>	<b>7.4</b>	<b>64.9</b>	<3.9	NA
	3/31/2011	<b>0.73</b>	<0.17	<0.35	<0.35	<b>1.3</b>	<0.17	<b>1.7</b>	<b>14.1</b>	<0.17	NA
6/7/2011	<b>0.88</b>	<0.18	<0.37	<b>5.6</b>	<b>2.5</b>	<b>7.5</b>	<b>2.5</b>	<b>50.2</b>	<0.18	NA	
SG-07 (8-8.5')	4/5/2010	<75.2	<75.2	<75.2	<75.2	<75.2	<75.2	<75.2	<75.2	<75.2	747
	5/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<b>13.8</b>	<b>6.8</b>	<b>145</b>	<5.0	170
	9/21/2010	<69.6	<69.6	<69.6	<69.6	<69.6	<b>140</b>	<69.6	<b>403</b>	<69.6	NA
	12/9/2010	<22.2	<22.2	<22.2	<22.2	<22.2	<b>24.4</b>	<22.2	<b>139</b>	<22.2	NA
	3/31/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<b>5.9</b>	<b>4.3</b>	<b>47.2</b>	<0.17	NA
6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	<b>23.6</b>	<b>4.4</b>	<b>171</b>	<0.18	NA	
SG-07 (DUP-01)	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<b>7.9</b>	<b>5.0</b>	<b>90.6</b>	<0.58	NA
	6/7/2011	<0.36	<0.18	<0.37	<0.37	<0.37	<b>28.4</b>	<b>9.5</b>	<b>97.2</b>	<0.18	NA
SG-08 (6.5-7')	4/5/2010	<2.6	<1.3 <sup>(6)</sup>	<2.6	<2.6	<5.1	<2.6	<2.6	<2.6	<2.6	64.9
	9/23/2010	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<b>4.5</b>	<b>3.5</b>	<2.0	NA
	12/9/10 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<b>0.29</b>	<b>3.4</b>	<0.17	<0.17	NA
	6/27/2011	<0.34	<0.17	<0.35	<0.35	<0.35	<0.17	<b>0.97</b>	<0.18	<0.17	NA

**Notes:**

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- 3) Elevated concentrations of 2-propanol (tracer) detected; DUP-01 results from 5/20/10 reflect true soil gas concentrations. Tracer concentration from SG-01 and analytical data from DUP-01 suggests that sample was diluted with approximately 30-percent ambient air.
- 4) Elevated concentrations of 2-propanol (tracer) detected. Analytical data for other analytes are presumed to be invalid (-).
- 5) Water in sample point prevented sample collection.
- 6) Analyte was evaluated for detection to the method detection limit.

**Bold font** denotes concentrations detected above laboratory reporting limits.

  Denotes concentrations above one or more soil gas screening level

ppbv - parts per billion by volume

NC - No Criteria

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**Table 1**  
**Summary of Chlorinated Volatile Organic Compounds in Off-Site Soil Gas**  
**Tecumseh Products Company**  
**Tecumseh, Michigan**  
**July 2011**

Analyte	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Vinyl Chloride	2-Propanol	
USEPA Proposed Residential SGSLs <sup>(1)</sup>	38	2.4	525	93	158	6.2	9,360	23	11	NC	
Site Specific Residential SGSLs <sup>(2)</sup>	1,300	78	17,000	3,000	5,200	210	310,000	770	360	NC	
Proposed Site Specific Non-Residential SGSLs <sup>(2)</sup>	4,300	260	24,000	4,300	7,300	690	440,000	2,600	1,200	NC	
Units	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	
SG-09 (5.5-6')	4/5/2010 <sup>(4)</sup>	--	--	--	--	--	--	--	--	1,580,000	
	5/20/2010	<b>10.6</b>	<4.4	<4.4	<4.4	<4.4	<b>123</b>	<b>176</b>	<4.4	24.8	
	9/23/2010	<23.4	<23.4	<23.4	<23.4	<23.4	<b>142</b>	<b>436</b>	<23.4	NA	
	12/9/2010	<13.2	<13.2	<13.2	<13.2	<13.2	<b>61.8</b>	<b>51.7</b>	<13.2	NA	
	3/31/2011	<b>4.3</b>	<0.17	<0.35	<b>1.3</b>	<0.35	<0.17	<b>52.5</b>	<b>13.9</b>	<0.17	NA
	6/27/2011	<b>5.4</b>	<0.17	<0.35	<b>1.4</b>	<0.35	<0.17	<b>52.8</b>	<b>45.8</b>	<0.17	NA
SG-10 (5-5.5')	4/5/2010	<40.3 <sup>(6)</sup>	<40.3 <sup>(6)</sup>	<80.6	<80.6	<80.6	<40.3 <sup>(6)</sup>	<80.6	<40.3 <sup>(6)</sup>	<40.3 <sup>(6)</sup>	
	9/21/2010	<4.4	<2.2 <sup>(6)</sup>	<4.4	<4.4	<4.4	<4.4	<b>11.5</b>	<4.4	NA	
	12/9/2010	<8.7	<4.4 <sup>(6)</sup>	<8.7	<8.7	<8.7	<4.4 <sup>(6)</sup>	<8.7	<8.7	NA	
	3/31/2011	<0.61	<0.61	<0.62	<0.62	<0.62	<0.61	<0.59	<0.60	<0.62	
	6/27/2011 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SG-11 (7.5-6')	4/5/2010	<2.8	<1.4 <sup>(6)</sup>	<2.8	<2.8	<5.4	<2.8	<2.8	<2.8	128	
	9/23/2010	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	NA	
	12/9/2010	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	<0.84	NA	
	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<0.57	<0.56	<0.57	<0.58	
	6/7/2011	<0.39	<0.19	<0.40	<0.40	<0.40	<b>0.89</b>	<b>0.54</b>	<b>1.2</b>	<0.19	
SG-12 (5-5.5')	4/5/2010 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/20/2020 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/21/2010 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/9/2010	<2.5	<1.3 <sup>(6)</sup>	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	
	3/31/2011 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/27/2011 <sup>(5)</sup>	NS	NS	NS	NS	NS	NS	NS	NS	NS	
SG-13 (5.5-6')	4/5/2010	<2.5	<1.3 <sup>(6)</sup>	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	1,750	
	5/20/2010	<4.5	<2.2 <sup>(6)</sup>	<4.5	<4.5	<4.5	<4.5	<4.5	<b>6.1</b>	9,130	
	9/23/2010	<1.5	<1.5	<1.5	<b>2.5</b>	<b>5.6</b>	<1.5	<1.5	<1.5	NA	
	12/9/2010	<1.6	<1.6	<1.6	<1.6	<b>2.9</b>	<1.6	<1.6	<1.6	NA	
	3/31/2011	<0.56	<0.56	<0.57	<0.57	<0.57	<0.57	<0.56	<0.57	<0.58	
	6/7/2011	<b>1.5</b>	<0.19	<0.40	<b>4.8</b>	<b>10.8</b>	<b>0.77</b>	<b>0.81</b>	<b>1.6</b>	<0.19	

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 Tecumseh Products Company  
 Tecumseh, Michigan  
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Site Specific Residential SGSLs <sup>(2)</sup>		1,300	78	17,000	3,000	5,200	210	310,000	770	360	NC
Proposed Site Specific Non-Residential SGSLs <sup>(2)</sup>		4,300	260	24,000	4,300	7,300	690	440,000	2,600	1,200	NC
Units		ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv	ppbv
SG-14 (6.5-7) <sup>(5)</sup>	4/5/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/20/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/9/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-15 (11-11.5) <sup>(5)</sup>	9/23/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2010	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/31/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/27/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SG-16 (7.5-8) <sup>(5)</sup>	9/23/2010	<2.5	<2.5	<2.5	<2.5	<2.5	<b>2.6</b>	<2.5	<2.5	<2.5	NA
	12/9/2010	<15.7	<7.8 <sup>(6)</sup>	<15.7	<15.7	<15.7	<7.8 <sup>(6)</sup>	<15.7	<15.7	<7.8 <sup>(6)</sup>	NA
	3/31/2011	<0.61	<0.61	<0.60	<0.60	<0.60	<0.61	<0.59	<0.60	<0.62	NA
	6/7/2011	<1.1	<0.53	<1.1	<1.1	<1.1	<0.54	<1.1	<b>0.62</b>	<0.54	NA

**Notes:**

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# Appendix B

## Technical Memorandum

**To:** Jason Smith, Tecumseh Products Company

**From:** Stacy Metz and Graham Crockford, TRC

**Subject:** Second Quarter 2011 Groundwater Monitoring Event  
RCRA 3008(h) Consent Order (RCRA-05-2010-0012) - Tecumseh Products Company

**Date:** July 8, 2011

**cc:** Roger Jackson, Tecumseh Products Company  
Douglas McClure, Conlin, McKenney and Philbrick, PC

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Tecumseh Products Company (TPC) retained RMT, Inc. (RMT), now TRC Environmental Corporation (TRC),<sup>1</sup> to investigate soil and groundwater conditions at the former TPC site located in Tecumseh, Michigan. TRC has been assisting TPC with investigative activities in accordance with the RCRA Administrative Order on Consent (RCRA 05-2010-0012) for the site.

These investigation activities included the installation of 44 groundwater monitoring wells. Quarterly groundwater monitoring was initiated in December 2009. Quarterly sampling activities are conducted in accordance with the Quality Assurance Project Plan (QAPP) which was submitted to the United States Environmental Protection Agency (USEPA) for review in August 2010 and the Quarterly Sampling Plan described below. Quarterly monitoring was implemented to determine the nature and extent of volatile organic compounds (VOCs) in groundwater that exceed Michigan Part 201 cleanup criteria and USEPA approved groundwater screening levels for vapor intrusion, and to determine the stability of VOC concentrations in groundwater over time.

### Summary of the Quarterly Sampling Plan

The sampling plan is summarized below:

- Quarterly Monitoring
  - Collect static groundwater measurements at each of the groundwater monitoring wells.
  - Collect static water levels at each of the two gauge point locations on the River Raisin.
  - Use low-flow sampling techniques to collect groundwater samples at all groundwater monitoring well locations, except at monitoring wells MW-8s, MW-10d, and MW-16s. The following field parameters are measured during groundwater sample collection: pH, specific

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<sup>1</sup> On June 6, 2011 TRC acquired the Environmental Business Unit of RMT; for purposes of this memo, references to TRC are inclusive of RMT prior to its acquisition by TRC.

conductivity, redox potential, dissolved oxygen, turbidity and temperature. Groundwater samples are submitted to the analytical laboratory for VOCs analysis.

- Collect a surface water sample from the wetland area for VOCs analysis.
- Semi-Annual Monitoring (conducted during the second and fourth quarters)
  - Conduct all quarterly monitoring as described above.
  - At a subset of the groundwater monitoring wells (MW-1s, MW-3s, MW-4s, MW-6s, MW-9s, MW-10s, MW-14s, MW-17s, MW-18s, MW-19s, MW-19d, MW-21, MW-23, MW-24s, MW-24d, MW-27s, MW-27d, MW-32s, MW-33s, and MW-34s) collect samples for analysis of monitored natural attenuation (MNA) parameters: chloride, nitrate, sulfate and ferrous iron.
  - Previous semi-annual monitoring included the collection of drinking water samples from private wells identified in and around the area of VOC-affected groundwater for VOCs analysis. A groundwater use ordinance, restricting the use of private wells within the area of VOC-affected groundwater was passed by the City of Tecumseh during the second quarter of 2011. Rather than collect an additional drinking water sample at identified private wells, TPC initiated communications with well owners to decommission these wells.

This sampling plan was developed to determine the stability of CVOC concentrations in groundwater. As such sampling activities are conducted in accordance with the QAPP which was submitted to the USEPA for review in August 2010, and VOC data are evaluated based on level 4 data quality objectives. Once the stability of CVOCs in groundwater has been assessed using Mann-Kendall Trend Tests, the sampling plan (*e.g. sample locations, frequency, and data quality objectives*) may be modified to reflect changing project objectives.

## Summary of Field Activities

TRC conducted the second quarter semi-annual sampling activities on April 25, 2011 and May 9, 2011 through May 13, 2011 in general accordance with the sampling plan described above. On April 25, 2011 water elevations were collected at groundwater monitoring wells and two surface water gauge point locations along the River Raisin. Groundwater sample collection was scheduled to be completed in late April. However, due to weather related delays, groundwater monitoring wells and the wetland surface water sample location were sampled by TRC between May 9, 2011 and May 13, 2011. Samples were analyzed by TriMatrix Laboratories, Inc. (TriMatrix). Sample locations are shown on Figure 1. Static water elevations are provided in Table 1. Field-collected data (pH, specific conductivity, redox potential, dissolved oxygen, turbidity and temperature) are provided in Table 2. Laboratory analytical data are provided in Attachment 1 (May 2011 Analytical Data). A summary of detected VOCs is included as Table 3, and a summary of MNA parameters is included as Table 4.

## Evaluation of Groundwater Chemical Data

Water chemistry data is summarized in Tables 2, 3, and 4. Laboratory analytical data are included in Attachment 1. The constituents of concern at the site are chlorinated VOCs (CVOCs), specifically trichloroethene (TCE), 1,1,1-trichloroethane (TCA) and their breakdown products (cis-1,2-dichloroethene [cis-DCE] and vinyl chloride). The highest concentrations of TCE (>1000 micrograms per liter [ug/L]) are found in the north at monitoring wells MW-4s and MW-32s and in the south at monitoring wells MW-1s, and MW-9s. The highest concentrations of TCA (>800 ug/L) are found at monitoring wells MW-1s and MW-34s in the south. The highest concentrations of degradation products are found downgradient of the northern source area at monitoring wells MW-3s and MW-4s.

CVOC concentrations were compared to Michigan Department of Environmental Quality (MDEQ) Part 201 criteria (Remediation and Redevelopment Division, Operational Memorandum No. 1, January 23, 2006, as amended March 25, 2011). Figure 2 shows the horizontal extent above relevant Part 201 criteria. No new exceedences of drinking water criteria were identified. One new exceedence of the groundwater-to-surface water interface (GSI) criteria was found. The concentration of TCE at monitoring well MW-33s was 220 ug/L in May 2011 (compared to a GSI criterion of 200 ug/L). Previous TCE concentrations at monitoring well MW-33s ranged from 76 ug/L to 150 ug/L.

Concentrations of CVOCs at previously sampled locations are generally consistent with historic data (Table 3). Once a sufficient quantity of data (typically eight sample events) has been collected at each well, TRC will statistically assess the stability of the CVOCs in groundwater using Mann-Kendall Trend Tests.

## Groundwater Flow Rate and Direction

The groundwater elevation data collected in April 2011 were used to construct a groundwater contour map and to determine the direction of groundwater flow and hydraulic gradient within the unconsolidated sand underlying the site (Figure 3). Several rounds of water levels have been collected (Table 1), and the depth to groundwater and the direction of groundwater flow is generally consistent with historical data. Groundwater flow at the former TPC site and surrounding study area is generally east toward the River Raisin, the nearest body of water, located 1,500 to 2,500 feet east of the site. The River Raisin is the regional discharge feature for groundwater beneath the former TPC site. A mean horizontal hydraulic gradient of 0.001 was measured across the former TPC property. Data from *in situ* hydraulic conductivity tests indicates that the hydraulic conductivity of the unconfined sand and gravel aquifer ranges from 0.014 to 0.077 centimeters per second (cm/s), consistent with a sand and gravel aquifer. Assuming a porosity of 0.3, the resultant estimated groundwater velocity ranges from  $4.7 \times 10^{-5}$  to  $2.6 \times 10^{-4}$  cm/s (48 to 265 feet per year).

Vertical hydraulic gradient in the upper sand/gravel aquifer was evaluated at nine of the ten nested well pairs (MW-10s/d, MW-12s/d, MW-19s/d, MW-20s/d, MW-24s/d, MW-27s/d, MW-28s/d, MW29s/d, and MW-30s/d). Because water at MW-14s is perched with an unsaturated zone between MW-14s and MW-14d, the vertical gradient at this nested well pair was not evaluated. At MW-19s/d, MW-24s/d,

and MW-28s/d along the western (upgradient) portion of the site, the measured vertical hydraulic was essentially neutral (ranging from -0.0017 to 0.0005). Northeast of the site the hydraulic gradient varied from downward at MW-29s/d (-0.077) and MW-12s/d (-0.018) to upward at MW-30s/d (0.021). At MW-10s/d, MW-20s/d, and MW-27s/d east/southeast (downgradient) of the site, a downward hydraulic gradient ranging from (-0.11 to -0.68) was measured, with the downward hydraulic gradient increasing to the south. This significant vertical downward gradient in the upper sand/gravel aquifer east/southeast of the site, is the result of a higher conductivity sand and gravel deposit that underlies the sand deposit.

The surface topography drops steeply downgradient of the site from an approximate elevation of 780 feet above mean sea level (ft MSL) to an approximate elevation of 750 ft MSL in the wetland area adjacent to the River Raisin. East of the site, in proximity to the change in surface elevation, the horizontal hydraulic gradient increases (Figure 3). East/southeast of the site, the presence of discontinuous gravel and/or sand with gravel units that are more conductive than the bulk of the sand aquifer facilitates the decrease in static water elevation. Vertical groundwater movement is impeded by the continuous clay layer underlying the gravel deposit.

### VOCs in Wetland Surface Water

Water chemistry data for the wetland sample (WL-01) collected in May 2011 can be found in Attachment 1. No VOCs were detected at sample location WL-01.

### Data Quality Assurance

#### Field Data

Field data were reviewed in accordance with the QAPP. TRC field personnel collected water levels and water quality data (pH, specific conductivity, redox potential, dissolved oxygen, turbidity and temperature) consistent with the quarterly sampling plan described above. The data quality objectives for the project were met, and the data are usable.

#### Laboratory Data

Forty-five water samples, including 3 duplicates, were collected by TRC between May 9, 2011 and May 13, 2011. Samples were analyzed by Trimatrix Laboratories, located in Grand Rapids, Michigan for VOCs by USEPA Method 8260B following protocols specified in the QAPP. TRC performed validation of the VOC laboratory data. Overall, the data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data package contained all of the deliverables necessary for validation of the analytical data. The complete laboratory data validation report is included in Attachment 2.

Data validation did identify one potential problem with analytical VOC data. Samples were shipped to Trimatrix in three shipments. In two of shipments, the average temperature exceeded the recommended temperature range by approximately 3 degrees. Due to sample temperature, there is potential for VOC sample results for samples collected between May 9, 2011 and May 11, 2011 to be biased low. The following corrective measures were taken:

- TRC field personnel were reminded that as outdoor temperatures increase, the number of samples per cooler should decrease and the quantity of ice should increase.
- Sample results were compared to historic data. Sample results for each sample are generally within the range of previous detections. There is no obvious negative bias in sample data.

Although data are considered estimated they are usable.

Of the forty-five water samples collected, a subset of samples (23 total, including 3 duplicates) were analyzed by Trimatrix for chloride (Standard Method 4500-Cl E), nitrate (Standard Method 4500-NO<sub>3</sub> F), sulfate (ASTM Method D516-90) and ferrous iron (Standard Method 3500-Fe B) following protocols specified in the QAPP. The data quality objectives (Level 3) and laboratory completeness goals for the MNA parameters were met, and the data are usable.



# Tables

**Table 1**  
 Groundwater and Surface Water Elevations  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-01s	796.53	3/16/2009	16.13	780.40
		4/20/2009	15.95	780.58
		6/4/2009	16.14	780.39
		12/7/2009	17.34	779.19
		3/23/2010	17.58	778.95
		5/10/2010	17.40	779.13
		9/2/2010	17.55	778.98
		12/10/2010	18.13	778.40
		2/14/2011	18.45	778.08
4/25/2011	17.53	779.00		
MW-02s	802.14	3/16/2009	21.94	780.20
		4/20/2009	21.60	780.54
		6/4/2009	21.53	780.61
		12/7/2009	22.87	779.27
		3/23/2010	23.27	778.87
		5/10/2010	23.10	779.04
		9/2/2010	23.00	779.14
		12/10/2010	23.64	778.50
		2/14/2011	24.04	778.10
4/25/2011	23.23	778.91		
MW-03s	787.00	3/16/2009	7.63	779.37
		4/20/2009	7.45	779.55
		6/4/2009	7.63	779.37
		12/7/2009	8.57	778.43
		3/23/2010	8.79	778.21
		5/10/2010	8.60	778.40
		9/2/2010	8.70	778.30
		12/10/2010	9.20	777.80
		2/14/2011	9.58	777.42
4/25/2011	8.71	778.29		
MW-04s	794.42	3/16/2009	14.64	779.78
		4/20/2009	14.40	780.02
		6/4/2009	14.48	779.94
		12/7/2009	15.65	778.77
		3/23/2010	12.91*	781.51
		5/10/2010	15.80	778.62
		9/2/2010	15.80	778.62
		12/10/2010	16.40	778.02
		2/14/2011	16.75	777.67
4/25/2011	15.90	778.52		

Notes:

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**Table 1**  
Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-05s	805.59	3/16/2009	24.73	780.86
		4/20/2009	24.40	781.19
		6/4/2009	24.41	781.18
		12/7/2009	25.77	779.82
		3/23/2010	26.16	779.43
		5/10/2010	26.00	779.59
		9/2/2010	26.00	779.59
		12/10/2010	26.62	778.97
		2/14/2011	26.95	778.64
MW-06s	803.73	4/25/2011	26.20	779.39
		3/16/2009	23.26	780.47
		4/20/2009	22.85	780.88
		6/4/2009	22.72	781.01
		12/7/2009	24.18	779.55
		3/23/2010	24.65	779.08
		5/10/2010	24.58	779.15
		9/2/2010	24.35	779.38
		12/10/2010	24.99	778.74
MW-07s	804.40	2/14/2011	25.40	778.33
		4/25/2011	24.64	779.09
		3/16/2009	23.85	780.55
		4/20/2009	23.40	781.00
		6/4/2009	23.24	781.16
		12/7/2009	24.75	779.65
		3/23/2010	25.19	779.21
		5/10/2010	25.08	779.32
		9/2/2010	25.00	779.40
MW-08s	804.39	12/10/2010	25.59	778.81
		2/14/2011	25.53	778.87
		4/25/2011	25.18	779.22
		3/16/2009	23.61	780.78
		4/20/2009	23.30	781.09
		6/4/2009	23.24	781.15
		12/7/2009	24.61	779.78
		3/23/2010	25.00	779.39
		5/10/2010	25.06	779.33
MW-08s	804.39	9/2/2010	24.80	779.59
		12/10/2010	25.47	778.92
		2/14/2011	25.79	778.60
		4/25/2011	25.00	779.39

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**Table 1**  
Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-09s	783.97	3/16/2009	4.46	779.51
		4/20/2009	4.30	779.67
		6/4/2009	4.63	779.34
		12/7/2009	5.65	778.32
		3/23/2010	5.78	778.19
		5/10/2010	5.60	778.37
		9/2/2010	5.85	778.12
		12/10/2010	6.98	776.99
		3/1/2011	6.04	777.93
MW-10s	788.65	4/25/2011	5.48	778.49
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	10.46	778.19
		12/7/2009	11.57	777.08
		3/23/2010	11.55	777.10
		5/10/2010	11.20	777.45
		9/2/2010	11.85	776.80
		12/10/2010	12.15	776.50
MW-10d	788.40	2/14/2011	12.46	776.19
		4/25/2011	11.09	777.56
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	12.10	776.30
		3/23/2010	11.98	776.42
		5/10/2010	11.60	776.80
		9/2/2010	12.41	775.99
MW-11s	809.64	12/10/2010	12.68	775.72
		2/14/2011	12.99	775.41
		4/25/2011	11.48	776.92
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	28.09	781.55
		12/7/2009	29.69	779.95
		3/23/2010	30.29	779.35
		5/10/2010	30.20	779.44
MW-11s	809.64	9/2/2010	29.90	779.74
		12/10/2010	30.49	779.15
		2/14/2011	30.95	778.69
		4/25/2011	30.21	779.43

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-12s	790.90	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	12.40	778.50
		12/7/2009	13.67	777.23
		3/23/2010	14.06	776.84
		5/10/2010	13.90	777.00
		9/2/2010	13.85	777.05
		12/10/2010	14.34	776.56
		2/14/2011	14.70	776.20
MW-12d	790.48	4/25/2011	13.95	776.95
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	13.93	776.55
		5/10/2010	13.81	776.67
		9/2/2010	12.70	777.78
		12/10/2010	14.23	776.25
MW-13s	787.35	2/14/2011	14.61	775.87
		4/25/2011	13.90	776.58
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	14.88	772.47
		12/7/2009	15.81	771.54
		3/23/2010	15.82	771.53
		5/10/2010	15.50	771.85
		9/2/2010	15.70	771.65
MW-14s	780.67	12/10/2010	16.15	771.20
		2/14/2011	16.89	770.46
		4/25/2011	15.50	771.85
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	5.12	775.55
		12/7/2009	6.20	774.47
		3/23/2010	3.62	777.05
		5/10/2010	3.60	777.07
MW-14s	780.67	9/2/2010	7.05	773.62
		12/10/2010	6.80	773.87
		2/14/2011	6.36	774.31
		4/25/2011	2.43	778.24

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-14d	780.51	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	29.97	750.54
		5/10/2010	29.85	750.66
		9/2/2010	30.10	750.41
		12/10/2010	30.19	750.32
		2/14/2011	30.28	750.23
MW-15s	811.72	4/25/2011	29.73	750.78
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	29.59	782.13
		12/7/2009	31.09	780.63
		3/23/2010	31.48	780.24
		5/10/2010	31.50	780.22
		9/2/2010	31.25	780.47
		12/10/2010	32.03	779.69
MW-16s	782.90	2/14/2011	32.33	779.39
		4/25/2011	31.63	780.09
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		7/23/2009	Dry	NM
		12/7/2009	Dry	NM
		3/23/2010	Dry	NM
		5/10/2010	Dry	NM
		9/2/2010	Dry	NM
MW-17s	754.49	12/10/2010	Dry	NM
		2/14/2011	Dry	NM
		4/25/2011	Dry	NM
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		7/23/2009	5.33	749.16
		12/7/2009	5.40	749.09
		3/23/2010	5.25	749.24
		5/10/2010	5.18	749.31
MW-17s	754.49	9/2/2010	5.50	748.99
		12/10/2010	5.44	749.05
		2/14/2011	5.41	749.08
		4/25/2011	5.05	749.44

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**Table 1**  
Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-18s	805.49	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	25.66	779.83
		3/23/2010	26.02	779.47
		5/10/2010	25.95	779.54
		9/2/2010	25.80	779.69
		12/10/2010	26.50	778.99
		2/14/2011	26.82	778.67
MW-19s	803.92	4/25/2011	26.10	779.39
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	24.05	779.87
		3/23/2010	24.26	779.66
		5/10/2010	24.25	779.67
		9/2/2010	24.25	779.67
		12/10/2010	24.91	779.01
MW-19d	804.04	2/14/2011	25.20	778.72
		4/25/2011	24.38	779.54
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	24.17	779.87
		3/23/2010	24.41	779.63
		5/10/2010	24.35	779.69
		9/2/2010	24.40	779.64
MW-20s	783.16	12/10/2010	25.03	779.01
		2/14/2011	25.34	778.70
		4/25/2011	24.50	779.54
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	4.85	778.31
		3/23/2010	4.97	778.19
		5/10/2010	4.80	778.36
MW-20s	783.16	9/2/2010	5.00	778.16
		12/10/2010	5.53	777.63
		2/14/2011	5.81	777.35
		4/25/2011	4.86	778.30

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-20d	783.29	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	11.98	771.31
		3/23/2010	12.62	770.67
		5/10/2010	12.80	770.49
		9/2/2010	14.10	769.19
		12/10/2010	14.91	768.38
		2/14/2011	15.17	768.12
MW-21	780.85	4/25/2011	14.55	768.74
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	29.69	751.16
		3/23/2010	29.51	751.34
		5/10/2010	29.35	751.50
		9/2/2010	29.60	751.25
		12/10/2010	29.75	751.10
MW-22	782.62	2/14/2011	29.87	750.98
		4/25/2011	29.34	751.51
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	24.62	758.00
		3/23/2010	24.88	757.74
		5/10/2010	24.88	757.74
		9/2/2010	25.15	757.47
MW-23	787.10	12/10/2010	25.03	757.59
		2/14/2011	24.91	757.71
		4/25/2011	24.76	757.86
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	9.27	777.83
		3/23/2010	9.50	777.60
		5/10/2010	9.45	777.65
MW-23	787.10	9/2/2010	9.45	777.65
		12/10/2010	9.97	777.13
		2/14/2011	10.32	776.78
		4/25/2011	9.47	777.63

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-24s	797.83	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	19.10	778.73
		3/23/2010	19.49	778.34
		5/10/2010	19.37	778.46
		9/2/2010	19.30	778.53
		12/10/2010	19.83	778.00
		2/14/2011	20.24	777.59
MW24d	797.93	4/25/2011	19.43	778.40
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	19.20	778.73
		3/23/2010	19.58	778.35
		5/10/2010	19.45	778.48
		9/2/2010	19.35	778.58
		12/10/2010	19.95	777.98
MW-25s	798.23	2/14/2011	20.31	777.62
		4/25/2011	19.52	778.41
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	18.77	779.46
		3/23/2010	18.97	779.26
		5/12/2010	18.80	779.43
		9/2/2010	19.00	779.23
MW-26s	805.73	12/10/2010	19.60	778.63
		2/14/2011	19.90	778.33
		4/25/2011	18.96	779.27
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		4/6/2010	26.10	779.63
		5/10/2010	26.00	779.73
MW-26s	805.73	9/2/2010	26.00	779.73
		12/10/2010	26.68	779.05
		2/14/2011	26.95	778.78
		4/25/2011	26.11	779.62

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-27s	781.39	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	3.12	778.27
		5/10/2010	2.83	778.56
		9/2/2010	3.15	778.24
		12/10/2010	3.58	777.81
		2/14/2011	3.77	777.62
MW-27d	781.40	4/25/2011	2.79	778.60
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	23.63	757.77
		5/10/2010	23.50	757.90
		9/2/2010	23.65	757.75
		12/10/2010	23.94	757.46
MW-28s	804.68	2/14/2011	24.08	757.32
		4/25/2011	23.40	758.00
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	25.53	779.15
		5/10/2010	25.45	779.23
		9/2/2010	25.20	779.48
MW-28d	804.92	12/10/2010	25.86	778.82
		2/14/2011	26.30	778.38
		4/25/2011	25.47	779.21
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	25.81	779.11
		5/10/2010	25.70	779.22
MW-28d	804.92	9/2/2010	25.50	779.42
		12/10/2010	26.10	778.82
		2/14/2011	26.54	778.38
		4/25/2011	25.75	779.17

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Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-29s	788.16	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	15.80	772.36
		5/10/2010	15.50	772.66
		9/2/2010	15.55	772.61
		12/10/2010	16.18	771.98
		2/14/2011	16.22	771.94
MW-29d	788.16	4/25/2011	15.40	772.76
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	18.74	769.42
		5/10/2010	18.60	769.56
		9/2/2010	18.55	769.61
		12/10/2010	18.28	769.88
MW-30s	787.69	2/14/2011	18.95	769.21
		4/25/2011	18.90	769.26
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	9.89	777.80
		5/10/2010	9.75	777.94
		9/2/2010	9.90	777.79
MW-30d	787.66	12/10/2010	10.36	777.33
		2/14/2011	10.74	776.95
		4/25/2011	9.58	778.11
		3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	9.85	777.81
		5/10/2010	9.68	777.98
MW-30d	787.66	9/2/2010	9.80	777.86
		12/10/2010	10.27	777.39
		2/14/2011	10.63	777.03
		4/25/2011	9.25	778.41

Notes:

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- ft MSL - feet above mean sea level
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- \* Measured depth to water is anomalous.

**Table 1**  
Groundwater and Surface Water Elevations  
Former Tecumseh Products Company Site  
Tecumseh, Michigan  
Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
MW-31	782.36	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	NI	NI
		6/18/2010	32.60	749.76
		9/2/2010	33.00	749.36
		12/10/2010	33.03	749.33
		2/14/2011	33.03	749.33
		4/25/2011	31.62	750.74
MW-32s	802.59	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	NI	NI
		6/18/2010	NI	NI
		9/17/2010	23.45	779.14
		12/10/2010	23.96	778.63
		2/14/2011	24.35	778.24
		4/25/2011	23.54	779.05
MW-33s	799.49	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	NI	NI
		6/18/2010	NI	NI
		9/17/2010	20.62	778.87
		12/10/2010	21.11	778.38
		2/14/2011	21.36	778.13
		4/25/2011	20.68	778.81
MW-34s	802.78	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	NI	NI
		3/23/2010	NI	NI
		6/18/2010	NI	NI
		9/17/2010	23.60	779.18
		12/10/2010	24.15	778.63
		2/14/2011	24.49	778.29
		4/25/2011	23.63	779.15

Notes:

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**Table 1**  
 Groundwater and Surface Water Elevations  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Well Location	Top of Well Casing (ft MSL)	Measurement Date	Depth to Groundwater (ft BTOC)	Groundwater Elevation (ft MSL)
E. Chicago Blvd (River Raisin)	756.50	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	14.00	742.51
		3/23/2010	13.32	743.18
		6/18/2010	13.42	743.08
		9/2/2010	14.90	741.60
		12/10/2010	13.89	742.61
		2/14/2011	14.46	742.04
		4/25/2011	11.50*	745.00
Russell Road (River Raisin)	755.23	3/16/2009	NI	NI
		4/20/2009	NI	NI
		6/4/2009	NI	NI
		12/7/2009	19.36	735.87
		3/23/2010	18.50	736.73
		6/18/2010	18.65	736.58
		9/2/2010	20.40	734.83
		12/10/2010	22.04	733.19
		2/14/2011	19.99	735.24
		4/25/2011	19.50	735.73

Notes:

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- ft MSL - feet above mean sea level
- ft BTOC - feet below top of casing
- NI - Not installed at time of measurement
- Dry - Insufficient groundwater present for measurement
- NM - Not measured
- \* Measured depth to water is anomalous.

**Table 2**  
 Summary of Field Parameters in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte	pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature	
Units	S.U.	umhos/cm	mV	mg/L	NTU	°C	
MW-01s	12/9/2009	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
	5/11/2011	6.48	611	121	1.80	20.0	12.59
MW-02s	12/9/2009	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
	5/10/2011	7.61	1,094	17	2.00	22.9	15.22
MW-03s	12/8/2009	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
	5/10/2011	7.15	1,199	39	1.55	21.5	11.00
MW-04s	12/9/2009	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
	5/11/2011	6.84	815	50	0.93	20.2	13.75
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
	5/13/2011	7.53	810	45	7.92	29.3	13.12
MW-06s	12/9/2009	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
	5/10/2011	7.47	870	31	1.60	25.0	12.47

**Notes:**

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**Table 2**  
 Summary of Field Parameters in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

<b>Analyte</b>		<b>pH</b>	<b>Conductivity</b>	<b>Redox Potential</b>	<b>Dissolved Oxygen</b>	<b>Turbidity</b>	<b>Temperature</b>
<b>Units</b>		<b>S.U.</b>	<b>umhos/cm</b>	<b>mV</b>	<b>mg/L</b>	<b>NTU</b>	<b>°C</b>
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
	5/13/2011	7.41	703	38	6.20	24.8	13.30
MW-08s	12/10/2009	7.49	828	119	8.60	NM	10.91
MW-09s	12/9/2009	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	6.4	30	6.58
	5/11/2011	7.57	395	87	12.13	24.6	9.48
MW-10s	12/9/2009	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
	5/9/2011	7.30	509	-20	0.22	38.6	7.71
MW-10d	12/9/2009	6.98	1,150	6	1.69	0.88	10.05
MW-11s	12/9/2009	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
	5/12/2011	7.28	691	57	9.48	45.5	12.63
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
	5/12/2011	7.23	2,100	37	9.25	27.3	11.73
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
		5/12/2011	7.14	2,450	-96	0.95	25.5

**Notes:**

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 mV = millivolts  
 mg/L = milligrams per liter  
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 °C = degrees Celsius  
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**Table 2**  
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 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second 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
	5/12/2011	7.23	2,010	20	8.30	37	12.68
MW-14s	12/8/2009	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
	5/11/2011	7.39	844	45	6.49	24.0	11.80
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
	5/9/2011	7.15	1,278	46	2.56	39.9	12.32
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
	1/7/1900	7.20	720	48	5.83	25.0	11.95
MW-16s	12/7/2009	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	12/7/2009	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
	5/11/2011	7.39	890	47	6.31	29.6	9.72

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**Table 2**  
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 Second Quarter 2011

<b>Analyte</b>	<b>pH</b>	<b>Conductivity</b>	<b>Redox Potential</b>	<b>Dissolved Oxygen</b>	<b>Turbidity</b>	<b>Temperature</b>	
<b>Units</b>	<b>S.U.</b>	<b>umhos/cm</b>	<b>mV</b>	<b>mg/L</b>	<b>NTU</b>	<b>°C</b>	
MW-18s	12/8/2009	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	1,308	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	11.77
	5/9/2011	7.25	2,620	53	5.63	33.5	12.68
MW-19s	12/8/2009	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
	5/10/2011	7.19	1,043	12	1.25	22.5	12.67
MW-19d	12/8/2009	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
	5/10/2011	7.14	1,256	-120	0.26	64.2	12.78
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
	5/13/2011	7.47	550	29	5.98	26.9	10.20
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
	5/13/2011	7.28	1,165	-118	0.26	37.0	12.70
MW-21	12/8/2009	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
	5/11/2011	7.23	965	92	6.71	23.2	13.08

**Notes:**

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**Table 2**  
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 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte		pH	Conductivity	Redox Potential	Dissolved Oxygen	Turbidity	Temperature
Units		S.U.	umhos/cm	mV	mg/L	NTU	°C
MW-22	12/7/2009	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
	5/11/2011	7.24	1,066	-131	0.27	24.0	9.80
MW-23	12/8/2009	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
	5/10/2011	7.17	1,424	-102	0.16	39.7	11.78
MW-24s	12/8/2009	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
	5/9/2011	6.84	1,096	131	4.38	21.9	11.71
MW-24d	12/8/2009	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
	5/9/2011	6.89	3,730	-75	0.22	24.5	13.19
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
	5/13/2011	7.29	734	31	3.05	24.5	12.35
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
		5/12/2011	7.01	953	-72	0.27	55.0

**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 2**  
 Summary of Field Parameters in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second 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
	5/9/2011	7.35	1,253	48	0.81	33.6	10.72
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
	5/9/2011	7.26	1,363	-61	0.23	22.9	14.25
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
	5/12/2011	7.72	1,165	51	3.37	23.5	12.86
MW-28d	3/23/2010	7.26	827	-81	0.31	31.9	11.41
	5/17/2010	7.38	926	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	11.33
	5/12/2011	7.35	940	-144	0.24	39.5	14.75
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
	5/12/2011	6.78	3,900	-121	0.22	24.7	13.45
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	1245	11.28
	5/12/2011	7.26	1,403	-54	6.65	40.5	21.01
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
	5/13/2011	6.90	2,340	-34	0.40	30	11.25

**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 2**  
 Summary of Field Parameters in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

<b>Analyte</b>	<b>pH</b>	<b>Conductivity</b>	<b>Redox Potential</b>	<b>Dissolved Oxygen</b>	<b>Turbidity</b>	<b>Temperature</b>	
<b>Units</b>	<b>S.U.</b>	<b>umhos/cm</b>	<b>mV</b>	<b>mg/L</b>	<b>NTU</b>	<b>°C</b>	
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	5/13/2011	7.03	1,740	-103	0.48	30.0	13.25
	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	5/11/2011	7.25	1,090	39	10.20	26.0	12.70
	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	5/10/2011	7.30	804	-85	0.64	21.7	17.22
	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	5/10/2011	7.20	1,267	-100	1.31	24.4	16.23
	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
	5/10/2011	7.53	677	10	7.19	21.7	15.52

**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 3**  
 Summary of Detected Volatile Organic Compounds in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte	2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride	
Residential DW Criteria	13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0	
Industrial DW Criteria	38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0	
GSI Criteria	2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>	
Residential GWSLs for Vapor Intrusion	4.6E+06	130	390	440	330	11	15,000	58	370	5.0	
Non-Residential GWSLs for Vapor Intrusion	6.4E+06	440	550	610	460	37	21,000	190	510	17	
Groundwater Contact Criteria	2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-01s (16-21')	3/13/2009	<100	<20	<20	<20	<20	<20	<b>750</b>	<b>2,700</b>	<20	<20
	4/20/2009	NA	<100	<100	<100	<100	<100	<b>1,100</b>	<b>2,200</b>	NA	<100
	12/9/2009	<100	<20	<20	<20	<20	<20	<b>1,000</b>	<b>3,400</b>	<20	<20
	3/17/2010	<100	<20	<20	<20	<20	<20	<b>1,400</b>	<b>2,500</b>	<20	<20
	5/18/2010	<100	<20	<20	<20	<20	<20	<b>1,000</b>	<b>2,700</b>	<20	<20
	9/3/2010	<100	<20	<20	<20	<20	<20	<b>750</b>	<b>2,400</b>	<20	<20
	12/28/2010	<100	<20	<20	<20	<20	<20	<b>1,100</b>	<b>2,500</b>	<20	<20
	2/25/2011	<50	<10	<10	<10	<10	<10	<b>560</b>	<b>1,300</b>	<10	<10
5/11/2011 <sup>(3)</sup>	<50	<10	<10	<10	<10	<10	<b>860</b>	<b>1,900</b>	<10	<10	
DUP-01 (MW-01s)	3/13/2009	<20	<20	<20	<20	<20	<20	<b>720</b>	<b>2,700</b>	<20	<20
MW-02s (23-28')	3/13/2009	<10	<2.0	<2.0	<b>2.4</b>	<2.0	<b>2.2</b>	<b>2.5</b>	<b>280</b>	<2.0	<2.0
	4/20/2009	NA	<10	<10	<10	<10	<10	<b>130</b>	NA	<10	<10
	12/9/2009	<10	<2.0	<2.0	<b>3.7</b>	<2.0	<b>2.7</b>	<b>2.9</b>	<b>250</b>	<2.0	<2.0
	3/17/2010	<b>13</b>	<2.0	<2.0	<b>4.1</b>	<2.0	<b>2.3</b>	<b>3.1</b>	<b>290</b>	<2.0	<2.0
	5/18/2010	<10	<2.0	<2.0	<b>2.3</b>	<2.0	<b>2.4</b>	<b>2.6</b>	<b>210</b>	<2.0	<2.0
	9/3/2010	<10	<2.0	<2.0	<b>2.3</b>	<2.0	<b>2.3</b>	<b>2.3</b>	<b>220</b>	<2.0	<2.0
	12/22/2010	<10	<2.0	<2.0	<b>2.4</b>	<2.0	<b>2.3</b>	<b>3.1</b>	<b>240</b>	<2.0	<2.0
	2/24/2011	<10	<2.0	<2.0	<b>2.0</b>	<2.0	<2.0	<b>2.6</b>	<b>240</b>	<2.0	<2.0
5/10/2011 <sup>(3)</sup>	<10	<2.0	<2.0	<2.0	<2.0	<2.0	<b>2.3</b>	<b>250</b>	<2.0	<2.0	
MW-03s (9-14')	3/13/2009	<10	<b>9.1</b>	<2.0	<b>240</b>	<b>9.1</b>	<2.0	<2.0	<2.0	<2.0	<b>140</b>
	4/20/2009	NA	<b>18</b>	<10	<b>490</b>	<b>18</b>	<10	<10	<10	NA	<b>210</b>
	12/8/2009	<120	<b>46</b>	<25	<b>2,200</b>	<b>83</b>	<25	<25	<25	<25	<b>130</b>
	3/17/2010	<25	<b>11</b>	<5.0	<b>460</b>	<b>17</b>	<5.0	<5.0	<5.0	<5.0	<b>42</b>
	5/18/2010	<25	<b>14</b>	<5.0	<b>630</b>	<b>24</b>	<5.0	<5.0	<5.0	<5.0	<b>34</b>
	9/3/2010	<50	<b>29</b>	<10	<b>1,600</b>	<b>63</b>	<10	<10	<10	<10	<b>83</b>
	12/22/2010	<50	<b>32</b>	<10	<b>1,800</b>	<b>82</b>	<10	<10	<10	<10	<b>70</b>
	2/25/2011	<100	<b>33</b>	<20	<b>2,200</b>	<b>110</b>	<20	<20	<20	<20	<b>75</b>
5/10/2011 <sup>(3)</sup>	<100	<b>25</b>	<20	<b>1,600</b>	<b>77</b>	<20	<20	<20	<20	<b>52</b>	
DUP-01 (MW-03s)	12/8/2009	<120	<b>42</b>	<25	<b>2,000</b>	<b>73</b>	<25	<25	<25	<25	<b>120</b>

**Notes:**

Residential and Industrial Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.  
 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 Screening Levels (GW<sub>v</sub>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

NA = Not analyzed

**Bold font** denotes concentrations detected above laboratory reporting limits

**Green background** denotes concentrations above one or more criteria

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

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

3) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

4) Quality control results for trichloroethene are outside the established control limits, the result is approximate.

**Table 3**  
 Summary of Detected Volatile Organic Compounds in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte	2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride	
Residential DW Criteria	13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0	
Industrial DW Criteria	38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0	
GSI Criteria	2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>	
Residential GWSLs for Vapor Intrusion	4.6E+06	130	390	440	330	11	15,000	58	370	5.0	
Non-Residential GWSLs for Vapor Intrusion	6.4E+06	440	550	610	460	37	21,000	190	510	17	
Groundwater Contact Criteria	2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-04s (15-20')	3/13/2009	<120	<25	<25	<b>2,100</b>	<b>70</b>	<25	<25	<b>5,000</b>	<25	<b>460</b>
	4/20/2009	NA	<100	<100	<b>1,700</b>	<100	<100	<100	<b>4,000</b>	NA	<b>520</b>
	12/9/2009	<250	<50	<50	<b>2,500</b>	<b>90</b>	<50	<50	<b>7,100</b>	<50	<b>270</b>
	3/17/2010	<250	<50	<50	<b>2,900</b>	<b>82</b>	<50	<50	<b>7,500</b>	<50	<b>520</b>
	5/18/2010	<250	<50	<50	<b>2,100</b>	<b>58</b>	<50	<50	<b>4,700</b>	<50	<b>280</b>
	9/3/2010	<250	<50	<50	<b>2,400</b>	<b>70</b>	<50	<50	<b>5,200</b>	<50	<b>200</b>
	12/22/2010	<250	<50	<50	<b>2,700</b>	<b>91</b>	<50	<50	<b>6,700</b>	<50	<b>270</b>
	2/25/2011	<250	<50	<50	<b>2,500</b>	<b>82</b>	<50	<50	<b>5,900</b>	<50	<b>280</b>
5/11/2011 <sup>(3)</sup>	<250	<50	<50	<b>1,900</b>	<b>58</b>	<50	<50	<b>4,600</b>	<50	<b>270</b>	
MW-05s (25-30')	3/13/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<b>3.5</b>	<1.0	<b>120</b>	<1.0	<1.0
	4/20/2009	NA	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<b>140</b>	NA	<5.0
	12/10/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<b>5.3</b>	<1.0	<b>190</b>	<1.0	<1.0
	3/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>6.3</b>	<1.0	<b>160</b>	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>4.6</b>	<1.0	<b>160</b>	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>4.6</b>	<1.0	<b>140</b>	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>4.9</b>	<1.0	<b>160</b>	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<b>4.4</b>	<1.0	<b>130</b>	<1.0	<1.0
5/13/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<b>4.9</b>	<1.0	<b>160</b>	<1.0	<1.0	
MW-06s (24-29')	3/16/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>21</b>	<1.0	<1.0
	4/20/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>23</b>	NA	<1.0
	12/9/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>37</b>	<1.0	<1.0
	3/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>31</b>	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>33</b>	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>29</b>	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>34</b>	<1.0	<1.0
	2/18/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>35</b>	<1.0	<1.0
5/10/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>27</b>	<1.0	<1.0	

**Notes:**

Residential and Industrial Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.  
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**Table 3**  
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 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte		2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0
Industrial DW Criteria		38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0
GSI Criteria		2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>
Residential GWSLs for Vapor Intrusion		4.6E+06	130	390	440	330	11	15,000	58	370	5.0
Non-Residential GWSLs for Vapor Intrusion		6.4E+06	440	550	610	460	37	21,000	190	510	17
Groundwater Contact Criteria		2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-07s (23.5-28.5')	3/16/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	10	<1.0	<1.0
	4/20/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	11	NA	<1.0
	12/10/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	14	<1.0	<1.0
	3/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	13	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.9	13	<1.0	<1.0
	9/3/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.4	12	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.1	16	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	12	<1.0	<1.0
MW-08s (23.5-28.5')	3/16/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	11	<1.0	<1.0
	4/20/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	NA	<1.0
	12/10/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	11	<1.0	<1.0
DUP-01 (MW-08s)	4/20/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	10	NA	<1.0
MW-09s (7-12')	3/16/2009	<100	<20	<20	<20	<20	<20	160	1,700	<20	<20
	4/20/2009	NA	<100	<100	<100	<100	<100	220	2,100	NA	<100
	12/9/2009	<100	<20	<20	<20	<20	<20	150	2,400	<20	<20
	3/18/2010	<100	<20	<20	<20	<20	<20	120	1,500	<20	<20
	5/18/2010	<100	<20	<20	<20	<20	<20	120	1,700	<20	<20
	9/8/2010	<100	<20	<20	<20	<20	<20	120	1,700	<20	<20
	2/25/2011	<50	<10	<10	<10	<10	<10	84	1,100	<10	<10
5/11/2011 <sup>(3)</sup>	<50	<10	<10	<10	<10	<10	83	1,200	<10	<10	
MW-10s (8-13')	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/9/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
DUP-02 (MW-10s)	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-10d (14-19')	12/9/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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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
MW-11s (29-34')	5/14/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/13/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-02 (MW-11s)	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-01 (MW-11s)	9/3/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-12s (12-17')	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<b>1.4</b>	<1.0	<1.0	<1.0	<1.0
	12/30/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<b>1.4</b>	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>1.0</b>	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<b>1.6</b>	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>1.6</b>	<1.0	<1.0	<1.0	
MW-12d (33-38')	3/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-13s (13-18')	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	

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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
MW-14s (4-9')	5/14/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/11/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-14d (37.5-42.5')	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
DUP-01 (MW-14d)	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-15s (30-35')	5/15/2009	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/30/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-17s (3-8')	7/23/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/7/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/11/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	

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**Bold** font denotes concentrations detected above laboratory reporting limits

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**Table 3**  
 Summary of Detected Volatile Organic Compounds in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte	2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria	13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0
Industrial DW Criteria	38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0
GSI Criteria	2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>
Residential GWSLs for Vapor Intrusion	4.6E+06	130	390	440	330	11	15,000	58	370	5.0
Non-Residential GWSLs for Vapor Intrusion	6.4E+06	440	550	610	460	37	21,000	190	510	17
Groundwater Contact Criteria	2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-18s (26-31')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-19s (25-30')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	1.8	31	<1.0	<1.0
	1/13/2010	<5.0	<1.0	<1.0	<1.0	<1.0	1.2	36	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	1.1	1.7	36	<1.0
	5/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	32	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	1.2	1.8	33	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	37	<1.0
	2/18/2011	<5.0	<1.0	<1.0	<1.0	<1.0	1.1	1.8	41	<1.0
5/10/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	28	<1.0	
DUP-03 (MW-19s)	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	1.0	1.7	32	<1.0
DUP-02 (MW-19s)	2/18/2011	<5.0	<1.0	<1.0	<1.0	<1.0	1.1	1.8	39	<1.0
	5/10/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	29	<1.0
MW-19d (40-45')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/8/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/18/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/10/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP-01 (MW-19d)	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

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Groundwater Contact Criteria		2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-20s (8-13')	12/30/2009	<5.0	<b>48</b>	<b>4.0</b>	<b>9.6</b>	<1.0	<1.0	<b>150</b>	<b>71</b>	<b>2.9</b>	<1.0
	1/13/2010	<5.0	<b>50</b>	<b>3.5</b>	<b>9.0</b>	<1.0	<1.0	<b>170</b>	<b>70</b>	<b>2.8</b>	<1.0
	3/17/2010	<5.0	<b>51</b>	<b>3.8</b>	<b>9.4</b>	<1.0	<1.0	<b>160</b>	<b>64</b>	<b>3.2</b>	<1.0
	5/18/2010	<10	<b>58</b>	<b>5.1</b>	<b>12</b>	<2.0	<2.0	<b>210</b>	<b>94</b>	<b>3.4</b>	<2.0
	9/9/2010	<10	<b>34</b>	<b>4.2</b>	<b>10</b>	<2.0	<2.0	<b>230</b>	<b>110</b>	<b>3.8</b>	<2.0
	12/21/2010	<10	<b>24</b>	<b>3.6</b>	<b>6.1</b>	<2.0	<2.0	<b>200</b>	<b>89</b>	<b>3.6</b>	<2.0
	2/18/2011	<10	<b>19</b>	<b>3.3</b>	<b>5.5</b>	<2.0	<2.0	<b>190</b>	<b>93</b>	<b>3.5</b>	<2.0
5/13/2011	<10	<b>14</b>	<b>2.8</b>	<b>4.1</b>	<2.0	<2.0	<b>190</b>	<b>91</b>	<b>2.9</b>	<2.0	
MW-20d (38.5-43.5')	12/30/2009	<5.0	<b>1.2</b>	<1.0	<b>86</b>	<1.0	<1.0	<b>1.9</b>	<1.0	<1.0	<b>3.5</b>
	1/13/2010	<5.0	<1.0	<1.0	<b>94</b>	<b>2.0</b>	<1.0	<1.0	<1.0	<1.0	<b>3.7</b>
	3/17/2010	<5.0	<1.0	<1.0	<b>85</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<b>4.4</b>
	5/18/2010	<5.0	<1.0	<1.0	<b>120</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<b>3.7</b>
	9/8/2010	<5.0	<1.0	<1.0	<b>95</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/21/2010	<5.0	<1.0	<1.0	<b>200</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<b>3.5</b>
	2/18/2011	<10	<2.0	<2.0	<b>190</b>	<2.0	<2.0	<2.0	<2.0	<2.0	<b>3.2</b>
5/13/2011	<10	<2.0	<2.0	<b>170</b>	<2.0	<2.0	<2.0	<2.0	<2.0	<b>2.6</b>	
DUP-03 (MW-20d)	5/18/2010	<5.0	<1.0	<1.0	<b>120</b>	<b>1.0</b>	<1.0	<1.0	<1.0	<1.0	<b>3.7</b>
MW-21 (28.5-33.5')	12/8/2009	<50	<b>31</b>	<10	<b>59</b>	<10	<10	<b>54</b>	<b>840</b>	<10	<10
	1/13/2010	<50	<b>28</b>	<10	<b>62</b>	<10	<10	<b>56</b>	<b>730</b>	<10	<10
	3/23/2010	<5.0	<b>33</b>	<b>2.2</b>	<b>81</b>	<b>7.5</b>	<1.0	<b>62</b>	<b>850</b>	<1.0	<1.0
	5/18/2010	<50	<b>35</b>	<10	<b>89</b>	<10	<10	<b>63</b>	<b>830</b>	<10	<10
	10/15/2010	<50	<b>26</b>	<10	<b>80</b>	<10	<10	<b>59</b>	<b>810</b>	<10	<10
	12/22/2010	<50	<b>25</b>	<10	<b>69</b>	<10	<10	<b>55</b>	<b>730</b>	<10	<10
	2/24/2011	<50	<b>25</b>	<10	<b>66</b>	<10	<10	<b>52</b>	<b>730</b>	<10	<10
5/11/2011 <sup>(3)</sup>	<50	<b>24</b>	<10	<b>65</b>	<10	<10	<b>49</b>	<b>740</b>	<10	<10	
DUP-02 (MW-21)	3/23/2010	<5.0	<b>33</b>	<b>2.2</b>	<b>79</b>	<b>7.8</b>	<1.0	<b>61</b>	<b>810</b>	<1.0	<1.0
DUP-03 (MW-21)	2/24/2011	<50	<b>24</b>	<10	<b>66</b>	<10	<10	<b>50</b>	<b>740</b>	<10	<10
	5/11/2011 <sup>(3)</sup>	<50	<b>24</b>	<10	<b>66</b>	<10	<10	<b>49</b>	<b>750</b>	<10	<10

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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
MW-22 (25-30')	12/7/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>10</b>
	3/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>8.5</b>
	5/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>2.0</b>
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>4.3</b>
	12/22/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>3.0</b>
	2/24/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>2.3</b>
	5/11/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>1.4</b>
MW-23 (17-22')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>3.2</b>
	1/13/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>7.6</b>
	3/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>4.0</b>
	5/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>6.1</b>
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>9.0</b>
	12/21/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>17</b>
	2/18/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>18</b>
5/10/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>25</b>	
MW-24s (18.5'-23.5')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
MW-24d (39-44')	12/8/2009	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/14/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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 Tecumseh, Michigan  
 Second Quarter 2011

Analyte		2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0
Industrial DW Criteria		38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0
GSI Criteria		2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>
Residential GWSLs for Vapor Intrusion		4.6E+06	130	390	440	330	11	15,000	58	370	5.0
Non-Residential GWSLs for Vapor Intrusion		6.4E+06	440	550	610	460	37	21,000	190	510	17
Groundwater Contact Criteria		2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-25s (20-25')	12/10/2009	<5.0	<b>1.7</b>	<1.0	<b>8.8</b>	<1.0	<1.0	<b>4.8</b>	<1.0	<1.0	<1.0
	3/16/2010	<5.0	<b>1.2</b>	<1.0	<1.0	<1.0	<1.0	<b>17</b>	<b>1.1</b>	<1.0	<1.0
	5/14/2010	<5.0	<b>1.2</b>	<1.0	<1.0	<1.0	<1.0	<b>18</b>	<b>1.0</b>	<1.0	<1.0
	9/9/2010	<5.0	<b>1.0</b>	<1.0	<1.0	<1.0	<1.0	<b>19</b>	<b>1.4</b>	<1.0	<1.0
	12/22/2010	<5.0	<b>1.2</b>	<1.0	<1.0	<1.0	<1.0	<b>26</b>	<b>2.4</b>	<1.0	<1.0
	2/24/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>19</b>	<b>2.2</b>	<1.0	<1.0
DUP-01 (MW-25s)	5/13/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>21</b>	<b>2.2</b>	<1.0	<1.0
MW-26s (28-33')	3/16/2010	<5.0	<b>1.3</b>	<1.0	<1.0	<1.0	<1.0	<b>18</b>	<b>1.0</b>	<1.0	<1.0
	4/6/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/14/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/17/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-27s (7-12')	5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>3.0</b>	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>1.4</b>	<1.0	<1.0
DUP-02 (MW-27s)	5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<b>1.1</b>	<1.0	<1.0
MW-27d (37.5-42.5')	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/9/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/20/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-28s (25-30')	5/9/2011 <sup>(3)</sup>	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

**Notes:**

Residential and Industrial Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.  
 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 Screening Levels (GWSLs) 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

NA = Not analyzed

**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

3) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

4) Quality control results for trichloroethene are outside the established control limits, the result is approximate.

**Table 3**  
 Summary of Detected Volatile Organic Compounds in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte		2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride
Residential DW Criteria		13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0
Industrial DW Criteria		38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0
GSI Criteria		2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>
Residential GWSLs for Vapor Intrusion		4.6E+06	130	390	440	330	11	15,000	58	370	5.0
Non-Residential GWSLs for Vapor Intrusion		6.4E+06	440	550	610	460	37	21,000	190	510	17
Groundwater Contact Criteria		2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000
Units		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-28d (49-54')	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/16/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-29s (13-18')	3/18/2010	<5.0	<1.0	<1.0	<b>1.3</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<b>1.2</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2010	<5.0	<1.0	<1.0	<b>1.4</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	<5.0	<1.0	<1.0	<b>1.5</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<b>1.7</b>	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-29d (58.5-63.5')	3/18/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/15/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/12/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-30s (11-16')	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-30d (25.5-30.5')	3/23/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/17/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	9/10/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/16/2010	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/15/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	5/13/2011	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

**Notes:**

Residential and Industrial Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.  
 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 Screening Levels (GWSLs) 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

NA = Not analyzed

**Bold font** denotes concentrations detected above laboratory reporting limits

**Green background** Denotes concentrations above one or more criteria

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

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

3) The average temperature in this sample shipment exceeded the recommended temperature range. Sample results are approximate.

4) Quality control results for trichloroethene are outside the established control limits, the result is approximate.

**Table 3**  
 Summary of Detected Volatile Organic Compounds in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 Second Quarter 2011

Analyte	2-Butanone	1,1-Dichloroethane	1,1-Dichloroethene <sup>(2)</sup>	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Tetrachloroethene	1,1,1-Trichloroethane	Trichloroethene	Trichloro-fluoromethane	Vinyl Chloride	
Residential DW Criteria	13,000	880	7.0	70	100	5.0	200	5.0	2,600	2.0	
Industrial DW Criteria	38,000	2,500	7.0	70	100	5.0	200	5.0	7,300	2.0	
GSI Criteria	2,200	740	130	620	1,500 <sup>(1)</sup>	60 <sup>(1)</sup>	89	200 <sup>(1)</sup>	NC	13 <sup>(1)</sup>	
Residential GWSLs for Vapor Intrusion	4.6E+06	130	390	440	330	11	15,000	58	370	5.0	
Non-Residential GWSLs for Vapor Intrusion	6.4E+06	440	550	610	460	37	21,000	190	510	17	
Groundwater Contact Criteria	2.4E+08	2.4E+06	11,000	2.0E+05	2.2E+05	12,000	1.3E+06	22,000	1.1E+06	1,000	
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
MW-31 (33.3-38.3')	6/18/2010	<5.0	<b>14</b>	<1.0	<b>19</b>	<b>2.2</b>	<1.0	<b>20</b>	<b>180</b>	<1.0	<1.0
	9/9/2010	<10	<2.0	<2.0	<b>15</b>	<2.0	<2.0	<b>48</b>	<b>220</b>	<2.0	<b>2.5</b>
	12/22/2010 <sup>(4)</sup>	<10	<b>16</b>	<2.0	<b>29</b>	<b>2.9</b>	<2.0	<b>27</b>	<b>260</b>	<2.0	<2.0
	2/24/2011	<10	<b>16</b>	<2.0	<b>31</b>	<b>3.1</b>	<2.0	<b>26</b>	<b>300</b>	<2.0	<2.0
	5/11/2011 <sup>(3)</sup>	<10	<b>15</b>	<2.0	<b>24</b>	<b>3.0</b>	<2.0	<b>22</b>	<b>250</b>	<2.0	<2.0
DUP-01 (MW-31)	6/18/2010	<5.0	<b>12</b>	<1.0	<b>19</b>	<b>2.3</b>	<1.0	<b>21</b>	<b>170</b>	<1.0	<1.0
MW-32s (23-28')	9/10/2010	<100	<b>150</b>	<20	<b>270</b>	<b>26</b>	<20	<b>220</b>	<b>2,400</b>	<20	<20
	11/18/2010	<100	<20	<20	<b>190</b>	<20	<20	<b>560</b>	<b>2,800</b>	<20	<20
	12/28/2010	<100	<20	<20	<b>200</b>	<20	<20	<b>510</b>	<b>2,300</b>	<20	<20
	2/25/2011	<100	<20	<20	<b>190</b>	<20	<20	<b>420</b>	<b>2,300</b>	<20	<20
	5/10/2011 <sup>(3)</sup>	<100	<20	<20	<b>170</b>	<20	<20	<b>380</b>	<b>2,300</b>	<20	<b>31</b>
MW-33s (21-26')	9/10/2010	<5.0	<b>12</b>	<1.0	<b>13</b>	<1.0	<1.0	<1.0	<b>76</b>	<1.0	<b>64</b>
	11/18/2010	<5.0	<b>14</b>	<1.0	<b>22</b>	<1.0	<1.0	<b>1.1</b>	<b>150</b>	<1.0	<b>56</b>
	12/22/2010	<5.0	<b>14</b>	<1.0	<b>22</b>	<b>1.2</b>	<1.0	<b>1.0</b>	<b>130</b>	<1.0	<b>57</b>
	2/24/2011	<5.0	<b>12</b>	<1.0	<b>20</b>	<b>1.0</b>	<1.0	<1.0	<b>110</b>	<1.0	<b>60</b>
	5/10/2011 <sup>(3)</sup>	<10	<b>11</b>	<2.0	<b>21</b>	<2.0	<2.0	<2.0	<b>220</b>	<2.0	<b>55</b>
DUP-01 (MW-33s)	11/18/2010	<5.0	<b>14</b>	<1.0	<b>23</b>	<1.0	<1.0	<b>1.2</b>	<b>150</b>	<1.0	<b>55</b>
MW-34s (23-28')	9/17/2010	<100	<20	<20	<20	<20	<20	<b>1,600</b>	<b>1,100</b>	<20	<20
	11/18/2010	<100	<20	<20	<20	<20	<20	<b>1,600</b>	<b>1,200</b>	<20	<20
	12/28/2010	<50	<10	<b>13</b>	<10	<10	<10	<b>1,400</b>	<b>1,000</b>	<10	<10
	2/25/2011	<50	<10	<10	<10	<10	<10	<b>1,100</b>	<b>900</b>	<10	<10
	5/10/2011 <sup>(3)</sup>	<50	<10	<10	<10	<10	<10	<b>1,200</b>	<b>970</b>	<10	<10

**Notes:**

Residential and Industrial Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.  
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ug/L = micrograms per liter

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- 4) Quality control results for trichloroethene are outside the established control limits, the result is approximate.

**Table 4**  
 Summary of Monitored Natural Attenuation Parameters in Groundwater  
 Tecumseh Products Company  
 Tecumseh, Michigan  
 Second 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	12/9/2009	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
	5/11/2011	50	2.8	23	0.031	NA	NA
MW-03s	12/8/2009	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
	5/10/2011	130	0.56	39	0.028	NA	NA
DUP-01 (MW-03s)	12/8/2009	220	2.1	37	0.12	NA	NA
MW-04s	12/9/2009	100	6.8	27	0.079	430	4.4
	5/18/2010	76	0.87	17	0.040	NA	NA
	12/22/2010	60	<0.050	9.5	<0.020	NA	NA
	5/11/2011	62	0.17	20	0.036	NA	NA
MW-06s	12/9/2009	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
	5/10/2011	68	8.2	42	0.030	NA	NA
MW-09s	12/9/2009	63	1.8	24	0.23	NA	NA
	5/18/2010	13	1.4	8.9	0.053	NA	NA
	5/11/2011	5.9	1.2	5.7	0.046	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
	5/9/2011	7.8	<0.050	28	0.028	NA	NA
MW-10d	12/9/2009	210	<0.050	44	0.48	NA	NA
MW-14s	12/8/2009	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-14d	5/9/2011	170	0.15	73	0.043	NA	NA
DUP-01 (MW-14d)	5/9/2011	170	0.16	72	<0.020	NA	NA
MW-17s	12/7/2009	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
	5/11/2011	98	<0.050	39	0.062	NA	NA
MW-18s	12/8/2009	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
	5/9/2011	600	2.3	46	0.028	NA	NA
MW-19s	12/8/2009	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
	5/10/2011	120	2.0	34	0.035	NA	NA
DUP-01 (MW-19s)	5/12/2010	120	<0.050	65	0.93	NA	NA
DUP-02 (MW-19s)	5/9/2011	110	2.0	34	0.026	NA	NA

Notes:

mg/L = milligrams per liter

NA = Not Analyzed

bold font denotes concentrations detected above laboratory reporting limits



**Table 4**  
 Summary of Monitored Natural Attenuation Parameters in Groundwater  
 Tecumseh Products Company  
 Tecumseh, Michigan  
 Second 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-19d	12/8/2009	<b>150</b>	<0.050	<b>64</b>	<b>5.0</b>	<b>320</b>	<b>1.1</b>
	5/12/2010	<b>150</b>	<0.050	<b>64</b>	<b>1.0</b>	NA	NA
	12/20/2010	<b>140</b>	<0.050	<b>62</b>	<b>1.0</b>	NA	NA
	5/10/2011	<b>180</b>	<0.050	<b>61</b>	<b>1.4</b>	NA	NA
MW-21	12/8/2009	<b>150</b>	<b>0.66</b>	<b>46</b>	<b>0.11</b>	NA	NA
	5/18/2010	<b>150</b>	<b>0.55</b>	<b>38</b>	<b>0.060</b>	NA	NA
	12/22/2010	<b>110</b>	<b>0.81</b>	<b>41</b>	<b>0.020</b>	NA	NA
	5/11/2011	<b>110</b>	<b>0.57</b>	<b>34</b>	<0.020	NA	NA
DUP-03 (MW-21)	5/9/2011	<b>110</b>	<b>0.61</b>	<b>34</b>	<b>0.024</b>	NA	NA
MW-23	12/8/2009	<b>300</b>	<0.050	<b>63</b>	<b>4.0</b>	NA	NA
	5/18/2010	<b>260</b>	<0.050	<b>59</b>	<b>2.4</b>	NA	NA
	12/21/2010	<b>240</b>	<0.050	<b>60</b>	<b>0.24</b>	NA	NA
	5/10/2011	<b>220</b>	<0.050	<b>56</b>	<b>1.2</b>	NA	NA
MW-24s	12/8/2009	<b>350</b>	<b>3.3</b>	<b>93</b>	<b>0.13</b>	<b>340</b>	<b>1.6</b>
	5/12/2010	<b>230</b>	<b>3.5</b>	<b>47</b>	<b>0.037</b>	NA	NA
	12/14/2010	<b>140</b>	<b>3.7</b>	<b>93</b>	<0.020	NA	NA
	5/9/2011	<b>110</b>	<b>1.4</b>	<b>46</b>	<b>0.029</b>	NA	NA
MW-24d	12/8/2009	<b>1,100</b>	<0.050	<b>110</b>	<b>6.4</b>	<b>350</b>	<b>1.3</b>
	5/12/2010	<b>1,000</b>	<0.050	<b>100</b>	<b>2.0</b>	NA	NA
	12/14/2010	<b>1,100</b>	<0.050	<b>110</b>	<b>1.4</b>	NA	NA
	5/9/2011	<b>930</b>	<0.050	<b>110</b>	<b>1.6</b>	NA	NA
MW-27s	5/17/2010	<b>190</b>	<b>0.23</b>	<b>40</b>	<b>0.27</b>	NA	NA
	12/20/2010	<b>220</b>	<b>0.065</b>	<b>53</b>	<b>0.15</b>	NA	NA
	5/9/2011	<b>180</b>	<b>2.9</b>	<b>48</b>	<b>0.024</b>	NA	NA
MW-27d	5/17/2010	<b>220</b>	<b>0.59</b>	<b>62</b>	<b>0.047</b>	NA	NA
	12/20/2010	<b>240</b>	<b>0.39</b>	<b>67</b>	<b>0.13</b>	NA	NA
	5/9/2011	<b>200</b>	<b>0.45</b>	<b>63</b>	<b>0.2</b>	NA	NA
MW-32s	12/28/2010	<b>66</b>	<b>1.8</b>	<b>39</b>	<b>0.048</b>	NA	NA
	5/10/2011	<b>66</b>	<b>1.4</b>	<b>22</b>	<b>0.1</b>	NA	NA
MW-33s	12/22/2010	<b>93</b>	<b>3.7</b>	<b>7.4</b>	<b>0.95</b>	NA	NA
	5/10/2011	<b>160</b>	<b>13</b>	<b>26</b>	<b>0.35</b>	NA	NA
MW-34s	12/28/2010	<b>39</b>	<b>2.3</b>	<b>15</b>	<0.020	NA	NA
	5/10/2011	<b>59</b>	<b>3.5</b>	<b>24</b>	<b>0.028</b>	NA	NA

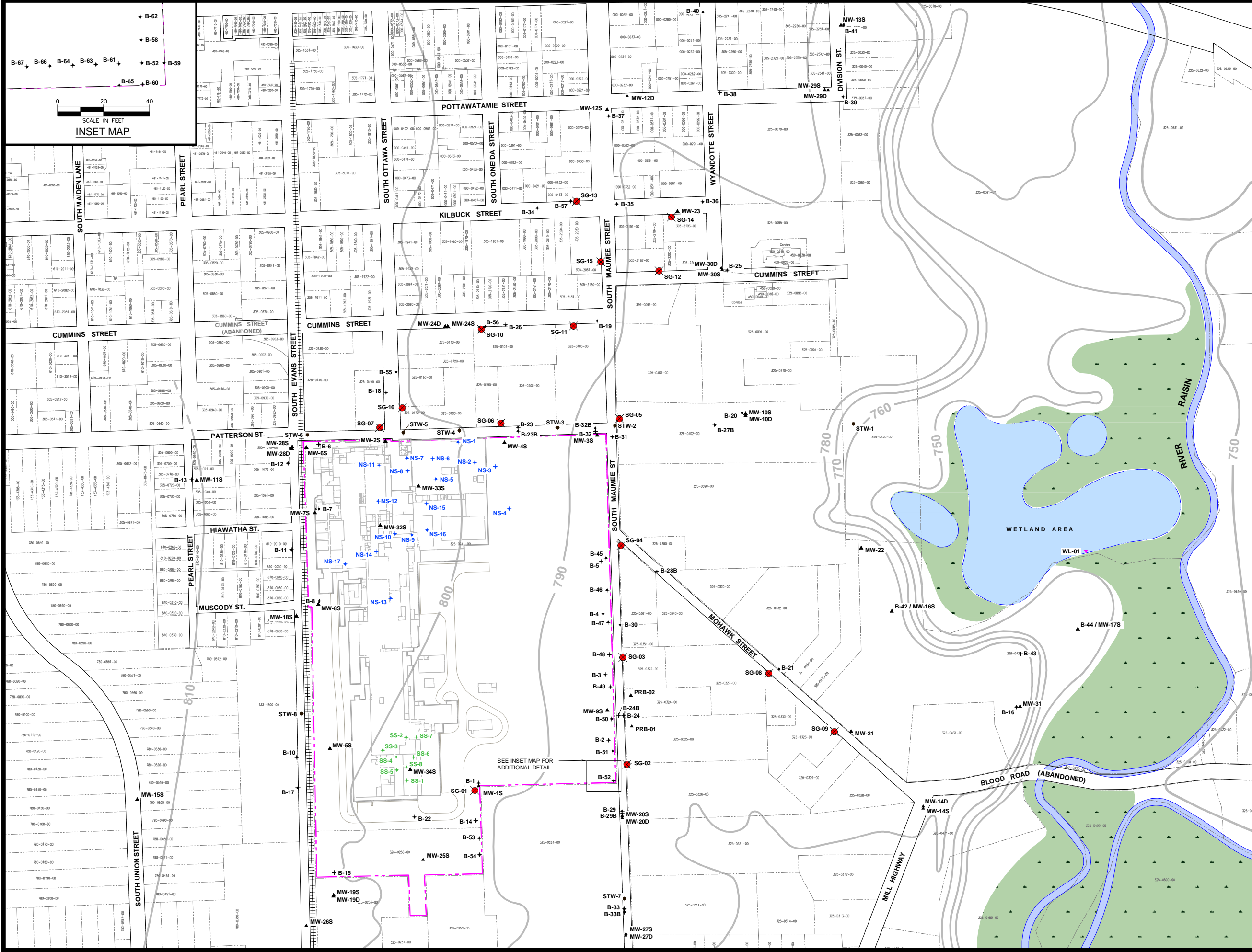
**Notes:**

mg/L = milligrams per liter

NA = Not Analyzed

**bold font** denotes concentrations detected above laboratory reporting limits

# Figures

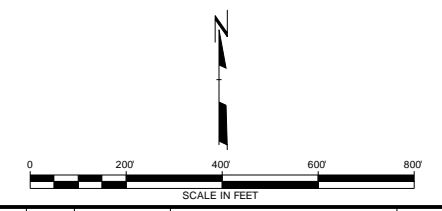


**LEGEND**

- FORMER TECUMSEH PRODUCTS SITE BOUNDARY
- PARCEL BOUNDARY
- RAILROAD TRACKS (APPROXIMATE LOCATION)
- APPROXIMATE GROUND TOPOGRAPHY BASED OFF 7.5 MINUTE U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP
- FLOODPLAIN / WOODED WETLAND AREA
- PERIMETER / OFF-SITE INVESTIGATION SOIL BORING LOCATION AND NUMBER
- MONITORING WELL LOCATION AND NUMBER
- NORTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- SOUTHERN SOURCE AREA INVESTIGATION BORING LOCATION AND NUMBER
- STORM WATER SEWER SAMPLE LOCATION AND NUMBER
- WETLAND SURFACE WATER SAMPLE LOCATION
- 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.



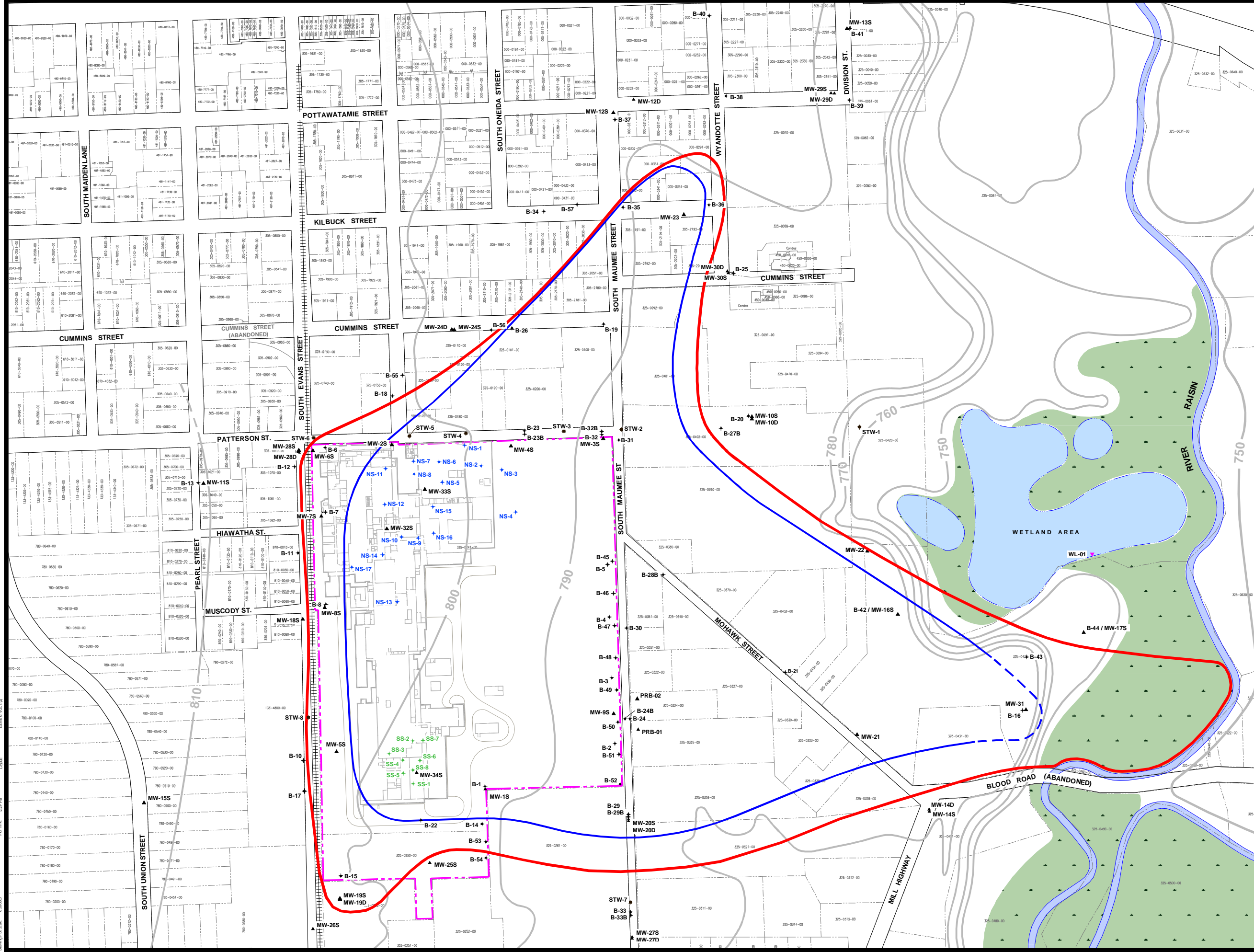
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NO.	BY	DATE	REVISION	APP'D.	

**FORMER TECUMSEH PRODUCTS SITE  
TECUMSEH, MICHIGAN**

**SURFACE TOPOGRAPHY AND SAMPLE LOCATIONS**

DRAWN BY:	METZA	DRAWING SCALE:	PROJECT NO:	02751.08
CHECKED BY:	SEM	AS INDICATED	FILE NO:	02751.08.22.dwg
APPROVED BY:	GC	DATE PRINTED:	<b>FIGURE 1</b>	
DATE:	JULY 2011			

DATE: 07/11/11  
 TIME: 2:22 PM  
 DRAWN BY: METZA  
 CHECKED BY: SEM  
 APPROVED BY: GC  
 DATE: 07/11/11

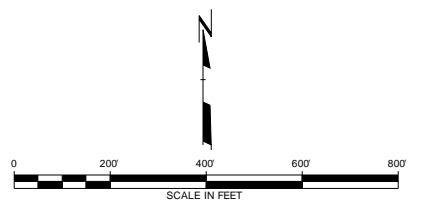


**LEGEND**

- 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
- 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
- ▲ FLOODPLAIN / WOODED WETLAND AREA
- EXTENT OF VOCs ABOVE DRINKING WATER CRITERIA
- EXTENT OF VOCs ABOVE GSI CRITERIA

**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.



NO.	BY	DATE	REVISION	APP'D.

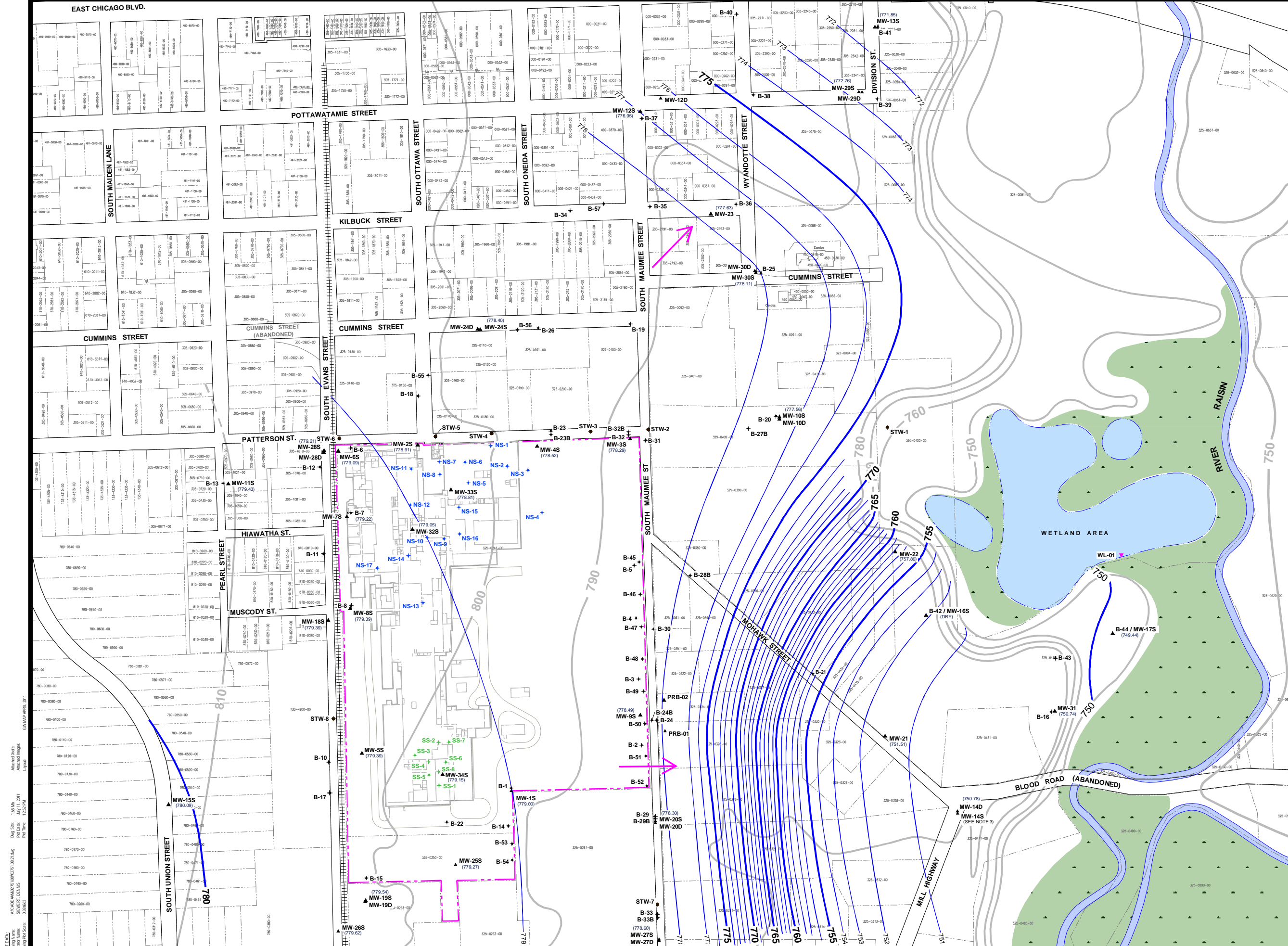
**FORMER TECUMSEH PRODUCTS SITE  
TECUMSEH, MICHIGAN**

**EXTENT OF VOCs ABOVE PART 201 CRITERIA**

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CHECKED BY: SEM	AS INDICATED	FILE NO: 02751.15.04.dwg
APPROVED BY: GC	DATE PRINTED:	FIGURE 2
DATE: July 2011		

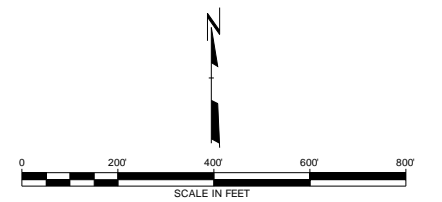
3754 Ranchero Drive  
 Ann Arbor, MI 48108-2237  
 Phone: 734-971-7000 • Fax: 734-971-9022

2011 DATA  
 V:\CADD\PROJECTS\150751\1504.dwg  
 Drawing File Name: 038498  
 Date: 07/11/2011  
 Pkg Date: 12:28 PM  
 Pkg Time: 12:28 PM  
 User: ALEXANDER  
 Plotter: HP DesignJet 5000



- LEGEND**
- FORMER TUCUMSEH 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
  - 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
  - 750 --- 5 FOOT GROUNDWATER CONTOUR LINE
  - 749 --- 1 FOOT GROUNDWATER CONTOUR LINE
  - GROUNDWATER FLOW DIRECTION
  - (750.54) GROUNDWATER ELEVATION
  - █ FLOODPLAIN / WOODED WETLAND AREA

- NOTES**
1. BASE MAP DEVELOPED FROM SITE PLAN PROVIDED BY THE CITY OF TUCUMSEH, 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.
  3. MW-14S IS SCREENED IN A DIFFERENT, PERCHED, WATER BEARING UNIT THAN THE OTHER SHALLOW MONITORING WELLS ON-SITE. THE GROUNDWATER ELEVATION MEASURED AT MW-14D WAS USED TO DEVELOP GROUNDWATER CONTOURS, BECAUSE MW-14D IS SCREENED IN THE DEEPER WATER BEARING UNIT WHICH IS HYDRAULICALLY CONNECTED TO THE SITE.



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NO.	BY	DATE	REVISION	APP'D.
FORMER TUCUMSEH PRODUCTS SITE TUCUMSEH, MICHIGAN				
GROUNDWATER CONTOUR MAP APRIL 2011				
DRAWN BY:	METZA	DRAWING SCALE:	PROJECT NO: 2751.08	
CHECKED BY:	SEM	AS INDICATED	FILE NO: 02751.08.21.dwg	
APPROVED BY:	GC	DATE PRINTED:	FIGURE 3	
DATE:	July 2011			
3754 Ranchoro Drive Ann Arbor, MI 48108-2237 Phone: 734-971-7080 • Fax: 734-971-9022				

PLOT DATA  
 Drawing Name: V:\COMMODITIES\101075108\21.dwg  
 Date: 07/20/11  
 Plot Size: 11.68 IN x 17.78 IN  
 Plot Date: 07/20/11  
 Plot Time: 12:22:50 PM  
 Drawing Scale: 1:1  
 DWG FILE: V:\COMMODITIES\101075108\21.dwg  
 PLOT DATE: 07/20/11  
 PLOT TIME: 12:22:50 PM  
 PLOT SCALE: 1:1

# Attachment 1

## May 2011 Analytical Data

May 23, 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:

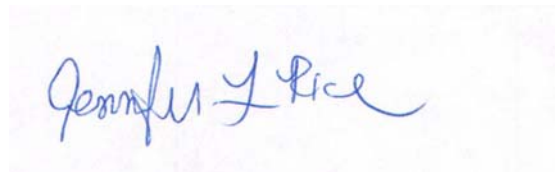
<b>Work Order</b>	<b>Received</b>	<b>Description</b>
1105169	05/11/2011	Laboratory Services
1105202	05/12/2011	Laboratory Services
1105281	05/17/2011	Laboratory Services

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

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

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

Sincerely,



Jennifer L. Rice  
Project Chemist

Enclosures(s)

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24s**  
 Lab Sample ID: **1105169-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 08:50  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page



### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24s**  
 Lab Sample ID: **1105169-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 08:50  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24s**  
 Lab Sample ID: **1105169-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 08:50  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	100	<i>87-123</i>
	<i>Toluene-d8</i>	103	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-01**  
 Lab Sample ID: **1105169-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-01**  
 Lab Sample ID: **1105169-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-01**  
 Lab Sample ID: **1105169-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	99	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
<i>Toluene-d8</i>	104	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24d**  
 Lab Sample ID: **1105169-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 09:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24d**  
 Lab Sample ID: **1105169-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 09:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24d**  
 Lab Sample ID: **1105169-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 09:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	99	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
<i>Toluene-d8</i>	104	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-10s**  
 Lab Sample ID: **1105169-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 10:43  
 Sampled By:  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-10s**  
 Lab Sample ID: **1105169-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 10:43  
 Sampled By:  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105169</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-10s</b>	Sampled:	05/09/11 10:43
Lab Sample ID:	<b>1105169-04</b>	Sampled By:	
Matrix:	Water	Received:	05/11/11 07:00
Unit:	ug/L	Prepared:	05/15/11 By: JDM
Dilution Factor:	1	Analyzed:	05/15/11 By: JDM
QC Batch:	1104572	Analytical Batch:	1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	103	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-01**  
 Lab Sample ID: **1105169-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-01**  
 Lab Sample ID: **1105169-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-01**  
 Lab Sample ID: **1105169-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
	<i>Toluene-d8</i>	103	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14d**  
 Lab Sample ID: **1105169-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 12:14  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14d**  
 Lab Sample ID: **1105169-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 12:14  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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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\*See Statement of Data Qualifications



### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1105169</b>
Project: Tecumseh Products	Description: Laboratory Services
Client Sample ID: <b>MW-14d</b>	Sampled: 05/09/11 12:14
Lab Sample ID: <b>1105169-06</b>	Sampled By: J. Jasso
Matrix: Water	Received: 05/11/11 07:00
Unit: ug/L	Prepared: 05/15/11 By: JDM
Dilution Factor: 1	Analyzed: 05/15/11 By: JDM
QC Batch: 1104572	Analytical Batch: 1E16080

#### 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
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	99	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>	
<i>Toluene-d8</i>	104	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>	

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27s**  
 Lab Sample ID: **1105169-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 13:53  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27s**  
 Lab Sample ID: **1105169-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 13:53  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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	<b>1.1</b>	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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27s**  
 Lab Sample ID: **1105169-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 13:53  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
	<i>Toluene-d8</i>	103	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27d**  
 Lab Sample ID: **1105169-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 14:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27d**  
 Lab Sample ID: **1105169-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 14:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105169</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-27d</b>	Sampled:	05/09/11 14:40
Lab Sample ID:	<b>1105169-08</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/11/11 07:00
Unit:	ug/L	Prepared:	05/15/11 By: JDM
Dilution Factor:	1	Analyzed:	05/15/11 By: JDM
QC Batch:	1104572	Analytical Batch:	1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	104	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-18s**  
 Lab Sample ID: **1105169-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 16:06  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-18s**  
 Lab Sample ID: **1105169-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 16:06  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-18s**  
 Lab Sample ID: **1105169-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/09/11 16:06  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	99	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	102	<i>87-123</i>
<i>Toluene-d8</i>	104	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19d**  
 Lab Sample ID: **1105169-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:28  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19d**  
 Lab Sample ID: **1105169-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:28  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19d**  
 Lab Sample ID: **1105169-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:28  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	98	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
<i>Toluene-d8</i>	103	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-01**  
 Lab Sample ID: **1105169-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-01**  
 Lab Sample ID: **1105169-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-01**  
 Lab Sample ID: **1105169-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
	<i>Toluene-d8</i>	104	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>



### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19s**  
 Lab Sample ID: **1105169-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 09:35  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19s**  
 Lab Sample ID: **1105169-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 09:35  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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	<b>1.5</b>	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<b>28</b>	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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19s**  
 Lab Sample ID: **1105169-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 09:35  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	104	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-02**  
 Lab Sample ID: **1105169-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B**

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-02**  
 Lab Sample ID: **1105169-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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	<b>1.6</b>	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<b>29</b>	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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105169</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>Dup-02</b>	Sampled:	05/10/11 00:00
Lab Sample ID:	<b>1105169-13</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/11/11 07:00
Unit:	ug/L	Prepared:	05/16/11 By: JDM
Dilution Factor:	1	Analyzed:	05/16/11 By: JDM
QC Batch:	1104573	Analytical Batch:	1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	102	87-123
	<i>Toluene-d8</i>	106	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-6s**  
 Lab Sample ID: **1105169-14**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 11:07  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-6s**  
 Lab Sample ID: **1105169-14**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 11:07  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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	<b>27</b>	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

\*See Statement of Data Qualifications



### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1105169</b>
Project: Tecumseh Products	Description: Laboratory Services
Client Sample ID: <b>MW-6s</b>	Sampled: 05/10/11 11:07
Lab Sample ID: <b>1105169-14</b>	Sampled By: J. Jasso
Matrix: Water	Received: 05/11/11 07:00
Unit: ug/L	Prepared: 05/15/11 By: JDM
Dilution Factor: 1	Analyzed: 05/15/11 By: JDM
QC Batch: 1104572	Analytical Batch: 1E16080

#### 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
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	99	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>	
<i>Toluene-d8</i>	105	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>	

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-23**  
 Lab Sample ID: **1105169-15**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 12:13  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

### Volatile Organic Compounds by EPA Method 8260B

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-23**  
 Lab Sample ID: **1105169-15**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 12:13  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-23**  
 Lab Sample ID: **1105169-15**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 12:13  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	25	1.0
136777-61-2	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	104	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-33s**  
 Lab Sample ID: **1105169-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104573

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 13:32  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<40	40
107-13-1	Acrylonitrile	<4.0	4.0
71-43-2	Benzene	<2.0	2.0
108-86-1	Bromobenzene	<2.0	2.0
74-97-5	Bromochloromethane	<2.0	2.0
75-27-4	Bromodichloromethane	<2.0	2.0
75-25-2	Bromoform	<2.0	2.0
74-83-9	Bromomethane	<10	10
104-51-8	n-Butylbenzene	<2.0	2.0
135-98-8	sec-Butylbenzene	<2.0	2.0
98-06-6	tert-Butylbenzene	<2.0	2.0
75-15-0	Carbon Disulfide	<2.0	2.0
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
75-00-3	Chloroethane	<10	10
67-66-3	Chloroform	<2.0	2.0
74-87-3	Chloromethane	<10	10
96-12-8	1,2-Dibromo-3-chloropropane	<10	10
124-48-1	Dibromochloromethane	<2.0	2.0
106-93-4	1,2-Dibromoethane	<2.0	2.0
74-95-3	Dibromomethane	<2.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
541-73-1	1,3-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-71-8	Dichlorodifluoromethane	<10	10
75-34-3	1,1-Dichloroethane	<b>11</b>	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<b>21</b>	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

Continued on next page

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-33s**  
 Lab Sample ID: **1105169-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104573

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 13:32  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	<2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
60-29-7	Ethyl Ether	<10	10
591-78-6	2-Hexanone	<10	10
74-88-4	Iodomethane	<2.0	2.0
98-82-8	Isopropylbenzene	<2.0	2.0
99-87-6	4-Isopropyltoluene	<10	10
1634-04-4	Methyl tert-Butyl Ether	<10	10
75-09-2	Methylene Chloride	<10	10
78-93-3	2-Butanone (MEK)	<10	10
91-57-6	2-Methylnaphthalene	<10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	<10	10
91-20-3	Naphthalene	<10	10
103-65-1	n-Propylbenzene	<2.0	2.0
100-42-5	Styrene	<2.0	2.0
*630-20-6	1,1,1,2-Tetrachloroethane	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.0	2.0
127-18-4	Tetrachloroethene	<2.0	2.0
109-99-9	Tetrahydrofuran	<10	10
108-88-3	Toluene	<2.0	2.0
87-61-6	1,2,3-Trichlorobenzene	<10	10
120-82-1	1,2,4-Trichlorobenzene	<10	10
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<b>220</b>	2.0
75-69-4	Trichlorofluoromethane	<2.0	2.0
96-18-4	1,2,3-Trichloropropane	<2.0	2.0
95-63-6	1,2,4-Trimethylbenzene	<2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	<2.0	2.0

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\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1105169</b>
Project: Tecumseh Products	Description: Laboratory Services
Client Sample ID: <b>MW-33s</b>	Sampled: 05/10/11 13:32
Lab Sample ID: <b>1105169-16</b>	Sampled By: J. Jasso
Matrix: Water	Received: 05/11/11 07:00
Unit: ug/L	Prepared: 05/16/11 By: JDM
Dilution Factor: 2	Analyzed: 05/16/11 By: JDM
QC Batch: 1104573	Analytical Batch: 1E16081

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	55	2.0
136777-61-2	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	100	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>	
<i>Toluene-d8</i>	106	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>	

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-32s**  
 Lab Sample ID: **1105169-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 20  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 14:42  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<400	400
107-13-1	Acrylonitrile	<40	40
71-43-2	Benzene	<20	20
108-86-1	Bromobenzene	<20	20
74-97-5	Bromochloromethane	<20	20
75-27-4	Bromodichloromethane	<20	20
75-25-2	Bromoform	<20	20
74-83-9	Bromomethane	<100	100
104-51-8	n-Butylbenzene	<20	20
135-98-8	sec-Butylbenzene	<20	20
98-06-6	tert-Butylbenzene	<20	20
75-15-0	Carbon Disulfide	<20	20
56-23-5	Carbon Tetrachloride	<20	20
108-90-7	Chlorobenzene	<20	20
75-00-3	Chloroethane	<100	100
67-66-3	Chloroform	<20	20
74-87-3	Chloromethane	<100	100
96-12-8	1,2-Dibromo-3-chloropropane	<100	100
124-48-1	Dibromochloromethane	<20	20
106-93-4	1,2-Dibromoethane	<20	20
74-95-3	Dibromomethane	<20	20
110-57-6	trans-1,4-Dichloro-2-butene	<20	20
95-50-1	1,2-Dichlorobenzene	<20	20
541-73-1	1,3-Dichlorobenzene	<20	20
106-46-7	1,4-Dichlorobenzene	<20	20
75-71-8	Dichlorodifluoromethane	<100	100
75-34-3	1,1-Dichloroethane	<20	20
107-06-2	1,2-Dichloroethane	<20	20
75-35-4	1,1-Dichloroethene	<20	20
156-59-2	cis-1,2-Dichloroethene	<b>170</b>	20
156-60-5	trans-1,2-Dichloroethene	<20	20

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-32s**  
 Lab Sample ID: **1105169-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 20  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 14:42  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<20	20
10061-01-5	cis-1,3-Dichloropropene	<20	20
10061-02-6	trans-1,3-Dichloropropene	<20	20
100-41-4	Ethylbenzene	<20	20
60-29-7	Ethyl Ether	<100	100
591-78-6	2-Hexanone	<100	100
74-88-4	Iodomethane	<20	20
98-82-8	Isopropylbenzene	<20	20
99-87-6	4-Isopropyltoluene	<100	100
1634-04-4	Methyl tert-Butyl Ether	<100	100
75-09-2	Methylene Chloride	<100	100
78-93-3	2-Butanone (MEK)	<100	100
91-57-6	2-Methylnaphthalene	<100	100
108-10-1	4-Methyl-2-pentanone (MIBK)	<100	100
91-20-3	Naphthalene	<100	100
103-65-1	n-Propylbenzene	<20	20
100-42-5	Styrene	<20	20
*630-20-6	1,1,1,2-Tetrachloroethane	<20	20
79-34-5	1,1,2,2-Tetrachloroethane	<20	20
127-18-4	Tetrachloroethene	<20	20
109-99-9	Tetrahydrofuran	<100	100
108-88-3	Toluene	<20	20
87-61-6	1,2,3-Trichlorobenzene	<100	100
120-82-1	1,2,4-Trichlorobenzene	<100	100
71-55-6	1,1,1-Trichloroethane	<b>380</b>	20
79-00-5	1,1,2-Trichloroethane	<20	20
79-01-6	Trichloroethene	<b>2300</b>	20
75-69-4	Trichlorofluoromethane	<20	20
96-18-4	1,2,3-Trichloropropane	<20	20
95-63-6	1,2,4-Trimethylbenzene	<20	20
108-67-8	1,3,5-Trimethylbenzene	<20	20

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-32s**  
 Lab Sample ID: **1105169-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 20  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 14:42  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	31	20
136777-61-2	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	105	91-107
	<i>4-Bromofluorobenzene</i>	97	84-106

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-34s**  
 Lab Sample ID: **1105169-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 15:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**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	<10	10
156-60-5	trans-1,2-Dichloroethene	<10	10

Continued on next page

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-34s**  
 Lab Sample ID: **1105169-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 15:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### 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	<b>1200</b>	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	<b>970</b>	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105169</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-34s</b>	Sampled:	05/10/11 15:40
Lab Sample ID:	<b>1105169-18</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/11/11 07:00
Unit:	ug/L	Prepared:	05/15/11 By: JDM
Dilution Factor:	10	Analyzed:	05/15/11 By: JDM
QC Batch:	1104572	Analytical Batch:	1E16080

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	104	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
	<i>Toluene-d8</i>	104	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	97	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-2s**  
 Lab Sample ID: **1105169-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 17:05  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<40	40
107-13-1	Acrylonitrile	<4.0	4.0
71-43-2	Benzene	<2.0	2.0
108-86-1	Bromobenzene	<2.0	2.0
74-97-5	Bromochloromethane	<2.0	2.0
75-27-4	Bromodichloromethane	<2.0	2.0
75-25-2	Bromoform	<2.0	2.0
74-83-9	Bromomethane	<10	10
104-51-8	n-Butylbenzene	<2.0	2.0
135-98-8	sec-Butylbenzene	<2.0	2.0
98-06-6	tert-Butylbenzene	<2.0	2.0
75-15-0	Carbon Disulfide	<2.0	2.0
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
75-00-3	Chloroethane	<10	10
67-66-3	Chloroform	<2.0	2.0
74-87-3	Chloromethane	<10	10
96-12-8	1,2-Dibromo-3-chloropropane	<10	10
124-48-1	Dibromochloromethane	<2.0	2.0
106-93-4	1,2-Dibromoethane	<2.0	2.0
74-95-3	Dibromomethane	<2.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
541-73-1	1,3-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-71-8	Dichlorodifluoromethane	<10	10
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<2.0	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

Continued on next page

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-2s**  
 Lab Sample ID: **1105169-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 17:05  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	<2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
60-29-7	Ethyl Ether	<10	10
591-78-6	2-Hexanone	<10	10
74-88-4	Iodomethane	<2.0	2.0
98-82-8	Isopropylbenzene	<2.0	2.0
99-87-6	4-Isopropyltoluene	<10	10
1634-04-4	Methyl tert-Butyl Ether	<10	10
75-09-2	Methylene Chloride	<10	10
78-93-3	2-Butanone (MEK)	<10	10
91-57-6	2-Methylnaphthalene	<10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	<10	10
91-20-3	Naphthalene	<10	10
103-65-1	n-Propylbenzene	<2.0	2.0
100-42-5	Styrene	<2.0	2.0
*630-20-6	1,1,1,2-Tetrachloroethane	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.0	2.0
127-18-4	Tetrachloroethene	<2.0	2.0
109-99-9	Tetrahydrofuran	<10	10
108-88-3	Toluene	<2.0	2.0
87-61-6	1,2,3-Trichlorobenzene	<10	10
120-82-1	1,2,4-Trichlorobenzene	<10	10
71-55-6	1,1,1-Trichloroethane	<b>2.3</b>	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<b>250</b>	2.0
75-69-4	Trichlorofluoromethane	<2.0	2.0
96-18-4	1,2,3-Trichloropropane	<2.0	2.0
95-63-6	1,2,4-Trimethylbenzene	<2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	<2.0	2.0

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-2s**  
 Lab Sample ID: **1105169-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104572

Work Order: **1105169**  
 Description: Laboratory Services  
 Sampled: 05/10/11 17:05  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00  
 Prepared: 05/15/11 By: JDM  
 Analyzed: 05/15/11 By: JDM  
 Analytical Batch: 1E16080

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.0	2.0
136777-61-2	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	101	87-123
	<i>Toluene-d8</i>	104	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106



### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-02**  
 Lab Sample ID: **1105202-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: TML  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-02**  
 Lab Sample ID: **1105202-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: TML  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-02**  
 Lab Sample ID: **1105202-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: TML  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	98	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	101	<i>87-123</i>
<i>Toluene-d8</i>	105	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-3s**  
 Lab Sample ID: **1105202-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 20  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/10/11 18:00  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<400	400
107-13-1	Acrylonitrile	<40	40
71-43-2	Benzene	<20	20
108-86-1	Bromobenzene	<20	20
74-97-5	Bromochloromethane	<20	20
75-27-4	Bromodichloromethane	<20	20
75-25-2	Bromoform	<20	20
74-83-9	Bromomethane	<100	100
104-51-8	n-Butylbenzene	<20	20
135-98-8	sec-Butylbenzene	<20	20
98-06-6	tert-Butylbenzene	<20	20
75-15-0	Carbon Disulfide	<20	20
56-23-5	Carbon Tetrachloride	<20	20
108-90-7	Chlorobenzene	<20	20
75-00-3	Chloroethane	<100	100
67-66-3	Chloroform	<20	20
74-87-3	Chloromethane	<100	100
96-12-8	1,2-Dibromo-3-chloropropane	<100	100
124-48-1	Dibromochloromethane	<20	20
106-93-4	1,2-Dibromoethane	<20	20
74-95-3	Dibromomethane	<20	20
110-57-6	trans-1,4-Dichloro-2-butene	<20	20
95-50-1	1,2-Dichlorobenzene	<20	20
541-73-1	1,3-Dichlorobenzene	<20	20
106-46-7	1,4-Dichlorobenzene	<20	20
75-71-8	Dichlorodifluoromethane	<100	100
75-34-3	1,1-Dichloroethane	<b>25</b>	20
107-06-2	1,2-Dichloroethane	<20	20
75-35-4	1,1-Dichloroethene	<20	20
156-59-2	cis-1,2-Dichloroethene	<b>1600</b>	20
156-60-5	trans-1,2-Dichloroethene	<b>77</b>	20

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-3s**  
 Lab Sample ID: **1105202-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 20  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/10/11 18:00  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

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

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105202</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-3s</b>	Sampled:	05/10/11 18:00
Lab Sample ID:	<b>1105202-02</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/12/11 09:00
Unit:	ug/L	Prepared:	05/16/11 By: JDM
Dilution Factor:	20	Analyzed:	05/16/11 By: JDM
QC Batch:	1104573	Analytical Batch:	1E16081

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	52	20
136777-61-2	Xylene, Meta + Para	<40	40
95-47-6	Xylene, Ortho	<20	20
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	103	87-123
	<i>Toluene-d8</i>	105	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-4s**  
 Lab Sample ID: **1105202-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 50  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 07:45  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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	<b>1900</b>	50
156-60-5	trans-1,2-Dichloroethene	<b>58</b>	50

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-4s**  
 Lab Sample ID: **1105202-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 50  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 07:45  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### 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	<50	50
79-00-5	1,1,2-Trichloroethane	<50	50
79-01-6	Trichloroethene	<b>4600</b>	50
75-69-4	Trichlorofluoromethane	<50	50
96-18-4	1,2,3-Trichloropropane	<50	50
95-63-6	1,2,4-Trimethylbenzene	<50	50
108-67-8	1,3,5-Trimethylbenzene	<50	50

Continued on next page

\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-4s**  
 Lab Sample ID: **1105202-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 50  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 07:45  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<b>270</b>	50
136777-61-2	Xylene, Meta + Para	<100	100
95-47-6	Xylene, Ortho	<50	50
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	102	<i>87-123</i>
	<i>Toluene-d8</i>	105	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-1s**  
 Lab Sample ID: **1105202-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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	<10	10
156-60-5	trans-1,2-Dichloroethene	<10	10

Continued on next page

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-1s**  
 Lab Sample ID: **1105202-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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	<b>860</b>	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	<b>1900</b>	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-1s**  
 Lab Sample ID: **1105202-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>
	<i>Toluene-d8</i>	106	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-9s**  
 Lab Sample ID: **1105202-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 10:28  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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	<10	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-9s**  
 Lab Sample ID: **1105202-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 10:28  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### 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	<b>83</b>	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	<b>1200</b>	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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-9s**  
 Lab Sample ID: **1105202-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 10:28  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	106	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-03**  
 Lab Sample ID: **1105202-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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	<b>24</b>	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	<b>66</b>	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-03**  
 Lab Sample ID: **1105202-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### 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	<b>49</b>	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	<b>750</b>	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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105202</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>Dup-03</b>	Sampled:	05/11/11 00:00
Lab Sample ID:	<b>1105202-06</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/12/11 09:00
Unit:	ug/L	Prepared:	05/16/11 By: JDM
Dilution Factor:	10	Analyzed:	05/16/11 By: JDM
QC Batch:	1104573	Analytical Batch:	1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	104	87-123
	<i>Toluene-d8</i>	106	91-107
	<i>4-Bromofluorobenzene</i>	97	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-21**  
 Lab Sample ID: **1105202-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 11:34  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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	<b>24</b>	10
107-06-2	1,2-Dichloroethane	<10	10
75-35-4	1,1-Dichloroethene	<10	10
156-59-2	cis-1,2-Dichloroethene	<b>65</b>	10
156-60-5	trans-1,2-Dichloroethene	<10	10

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-21**  
 Lab Sample ID: **1105202-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 11:34  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### 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	<b>49</b>	10
79-00-5	1,1,2-Trichloroethane	<10	10
79-01-6	Trichloroethene	<b>740</b>	10
75-69-4	Trichlorofluoromethane	<10	10
96-18-4	1,2,3-Trichloropropane	<10	10
95-63-6	1,2,4-Trimethylbenzene	<10	10
108-67-8	1,3,5-Trimethylbenzene	<10	10

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-21**  
 Lab Sample ID: **1105202-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 10  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 11:34  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	99	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	102	<i>87-123</i>
<i>Toluene-d8</i>	105	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-22**  
 Lab Sample ID: **1105202-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 12:51  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-22**  
 Lab Sample ID: **1105202-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 12:51  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105202</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-22</b>	Sampled:	05/11/11 12:51
Lab Sample ID:	<b>1105202-08</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/12/11 09:00
Unit:	ug/L	Prepared:	05/16/11 By: JDM
Dilution Factor:	1	Analyzed:	05/16/11 By: JDM
QC Batch:	1104573	Analytical Batch:	1E16081

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	1.4	1.0
136777-61-2	Xylene, Meta + Para	<2.0	2.0
95-47-6	Xylene, Ortho	<1.0	1.0
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	102	87-123
	<i>Toluene-d8</i>	105	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106



### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-31**  
 Lab Sample ID: **1105202-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:06  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<40	40
107-13-1	Acrylonitrile	<4.0	4.0
71-43-2	Benzene	<2.0	2.0
108-86-1	Bromobenzene	<2.0	2.0
74-97-5	Bromochloromethane	<2.0	2.0
75-27-4	Bromodichloromethane	<2.0	2.0
75-25-2	Bromoform	<2.0	2.0
74-83-9	Bromomethane	<10	10
104-51-8	n-Butylbenzene	<2.0	2.0
135-98-8	sec-Butylbenzene	<2.0	2.0
98-06-6	tert-Butylbenzene	<2.0	2.0
75-15-0	Carbon Disulfide	<2.0	2.0
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
75-00-3	Chloroethane	<10	10
67-66-3	Chloroform	<2.0	2.0
74-87-3	Chloromethane	<10	10
96-12-8	1,2-Dibromo-3-chloropropane	<10	10
124-48-1	Dibromochloromethane	<2.0	2.0
106-93-4	1,2-Dibromoethane	<2.0	2.0
74-95-3	Dibromomethane	<2.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
541-73-1	1,3-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-71-8	Dichlorodifluoromethane	<10	10
75-34-3	1,1-Dichloroethane	<b>15</b>	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<b>24</b>	2.0
156-60-5	trans-1,2-Dichloroethene	<b>3.0</b>	2.0

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-31**  
 Lab Sample ID: **1105202-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:06  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	<2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
60-29-7	Ethyl Ether	<10	10
591-78-6	2-Hexanone	<10	10
74-88-4	Iodomethane	<2.0	2.0
98-82-8	Isopropylbenzene	<2.0	2.0
99-87-6	4-Isopropyltoluene	<10	10
1634-04-4	Methyl tert-Butyl Ether	<10	10
75-09-2	Methylene Chloride	<10	10
78-93-3	2-Butanone (MEK)	<10	10
91-57-6	2-Methylnaphthalene	<10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	<10	10
91-20-3	Naphthalene	<10	10
103-65-1	n-Propylbenzene	<2.0	2.0
100-42-5	Styrene	<2.0	2.0
*630-20-6	1,1,1,2-Tetrachloroethane	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.0	2.0
127-18-4	Tetrachloroethene	<2.0	2.0
109-99-9	Tetrahydrofuran	<10	10
108-88-3	Toluene	<2.0	2.0
87-61-6	1,2,3-Trichlorobenzene	<10	10
120-82-1	1,2,4-Trichlorobenzene	<10	10
71-55-6	1,1,1-Trichloroethane	<b>22</b>	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<b>250</b>	2.0
75-69-4	Trichlorofluoromethane	<2.0	2.0
96-18-4	1,2,3-Trichloropropane	<2.0	2.0
95-63-6	1,2,4-Trimethylbenzene	<2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	<2.0	2.0

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-31**  
 Lab Sample ID: **1105202-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:06  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.0	2.0
136777-61-2	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	99	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	102	<i>87-123</i>
<i>Toluene-d8</i>	105	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **WL-01**  
 Lab Sample ID: **1105202-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:20  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **WL-01**  
 Lab Sample ID: **1105202-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:20  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **WL-01**  
 Lab Sample ID: **1105202-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:20  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>
	<i>Toluene-d8</i>	106	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-17s**  
 Lab Sample ID: **1105202-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 15:36  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B**

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

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-17s**  
 Lab Sample ID: **1105202-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 15:36  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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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\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-17s**  
 Lab Sample ID: **1105202-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 15:36  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	103	87-123
	<i>Toluene-d8</i>	106	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-02**  
 Lab Sample ID: **1105202-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:30  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### Volatile Organic Compounds by EPA Method 8260B

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

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### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-02**  
 Lab Sample ID: **1105202-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 14:30  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

#### 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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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105202</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>EB-02</b>	Sampled:	05/11/11 14:30
Lab Sample ID:	<b>1105202-12</b>	Sampled By:	J. Jasso
Matrix:	Water	Received:	05/12/11 09:00
Unit:	ug/L	Prepared:	05/16/11 By: JDM
Dilution Factor:	1	Analyzed:	05/16/11 By: JDM
QC Batch:	1104573	Analytical Batch:	1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	102	<i>87-123</i>
	<i>Toluene-d8</i>	105	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14s**  
 Lab Sample ID: **1105202-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 16:52  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14s**  
 Lab Sample ID: **1105202-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 16:52  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

### 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

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14s**  
 Lab Sample ID: **1105202-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104573

Work Order: **1105202**  
 Description: Laboratory Services  
 Sampled: 05/11/11 16:52  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00  
 Prepared: 05/16/11 By: JDM  
 Analyzed: 05/16/11 By: JDM  
 Analytical Batch: 1E16081

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	99	88-116
	<i>1,2-Dichloroethane-d4</i>	103	87-123
	<i>Toluene-d8</i>	106	91-107
	<i>4-Bromofluorobenzene</i>	98	84-106

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-03**  
 Lab Sample ID: **1105281-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-03**  
 Lab Sample ID: **1105281-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-03**  
 Lab Sample ID: **1105281-01**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-26s**  
 Lab Sample ID: **1105281-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 08:17  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-26s**  
 Lab Sample ID: **1105281-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 08:17  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

#### 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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-26s**  
 Lab Sample ID: **1105281-02**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 08:17  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	97	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	97	<i>84-106</i>

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-15s**  
 Lab Sample ID: **1105281-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 09:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-15s**  
 Lab Sample ID: **1105281-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 09:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-15s**  
 Lab Sample ID: **1105281-03**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 09:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>



## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-11s**  
 Lab Sample ID: **1105281-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 11:10  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-11s**  
 Lab Sample ID: **1105281-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 11:10  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-11s**  
 Lab Sample ID: **1105281-04**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 11:10  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>
	<i>Toluene-d8</i>	97	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-28s**  
 Lab Sample ID: **1105281-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 12:44  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

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\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-28s**  
 Lab Sample ID: **1105281-05**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 12:44  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

#### 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: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1105281</b>
Project: Tecumseh Products	Description: Laboratory Services
Client Sample ID: <b>MW-28s</b>	Sampled: 05/12/11 12:44
Lab Sample ID: <b>1105281-05</b>	Sampled By: J.J.
Matrix: Water	Received: 05/17/11 18:40
Unit: ug/L	Prepared: 05/20/11 By: JDM
Dilution Factor: 1	Analyzed: 05/21/11 By: JDM
QC Batch: 1104832	Analytical Batch: 1E22009

#### 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
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	102	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>	
<i>Toluene-d8</i>	98	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>	

## ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-28d**  
 Lab Sample ID: **1105281-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 13:58  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-28d**  
 Lab Sample ID: **1105281-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 13:58  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-28d**  
 Lab Sample ID: **1105281-06**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 13:58  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	103	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
<i>Toluene-d8</i>	97	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12s**  
 Lab Sample ID: **1105281-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 15:04  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12s**  
 Lab Sample ID: **1105281-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 15:04  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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	<b>1.6</b>	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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12s**  
 Lab Sample ID: **1105281-07**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 15:04  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12d**  
 Lab Sample ID: **1105281-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 16:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12d**  
 Lab Sample ID: **1105281-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 16:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

#### 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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-12d**  
 Lab Sample ID: **1105281-08**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 16:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29s**  
 Lab Sample ID: **1105281-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

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\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29s**  
 Lab Sample ID: **1105281-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29s**  
 Lab Sample ID: **1105281-09**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:02  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29d**  
 Lab Sample ID: **1105281-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:48  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29d**  
 Lab Sample ID: **1105281-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:48  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-29d**  
 Lab Sample ID: **1105281-10**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 17:48  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-04**  
 Lab Sample ID: **1105281-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-04**  
 Lab Sample ID: **1105281-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **TB-04**  
 Lab Sample ID: **1105281-11**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 00:00  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>
	<i>Toluene-d8</i>	97	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-13s**  
 Lab Sample ID: **1105281-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 18:31  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-13s**  
 Lab Sample ID: **1105281-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 18:31  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-13s**  
 Lab Sample ID: **1105281-12**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/12/11 18:31  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	103	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
<i>Toluene-d8</i>	98	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30s**  
 Lab Sample ID: **1105281-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 07:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

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\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30s**  
 Lab Sample ID: **1105281-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 07:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

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

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30s**  
 Lab Sample ID: **1105281-13**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 07:50  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	103	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	106	<i>87-123</i>
<i>Toluene-d8</i>	97	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	95	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30d**  
 Lab Sample ID: **1105281-14**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 09:11  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30d**  
 Lab Sample ID: **1105281-14**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 09:11  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

Continued on next page



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-30d**  
 Lab Sample ID: **1105281-14**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 09:11  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-20s**  
 Lab Sample ID: **1105281-15**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 10:20  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<40	40
107-13-1	Acrylonitrile	<4.0	4.0
71-43-2	Benzene	<2.0	2.0
108-86-1	Bromobenzene	<2.0	2.0
74-97-5	Bromochloromethane	<2.0	2.0
75-27-4	Bromodichloromethane	<2.0	2.0
75-25-2	Bromoform	<2.0	2.0
74-83-9	Bromomethane	<10	10
104-51-8	n-Butylbenzene	<2.0	2.0
135-98-8	sec-Butylbenzene	<2.0	2.0
98-06-6	tert-Butylbenzene	<2.0	2.0
*75-15-0	Carbon Disulfide	<2.0	2.0
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
75-00-3	Chloroethane	<10	10
67-66-3	Chloroform	<2.0	2.0
74-87-3	Chloromethane	<10	10
96-12-8	1,2-Dibromo-3-chloropropane	<10	10
124-48-1	Dibromochloromethane	<2.0	2.0
106-93-4	1,2-Dibromoethane	<2.0	2.0
74-95-3	Dibromomethane	<2.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
541-73-1	1,3-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-71-8	Dichlorodifluoromethane	<10	10
75-34-3	1,1-Dichloroethane	<b>14</b>	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<b>2.8</b>	2.0
156-59-2	cis-1,2-Dichloroethene	<b>4.1</b>	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-20s**  
 Lab Sample ID: **1105281-15**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 10:20  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	<2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
60-29-7	Ethyl Ether	<10	10
591-78-6	2-Hexanone	<10	10
74-88-4	Iodomethane	<2.0	2.0
98-82-8	Isopropylbenzene	<2.0	2.0
99-87-6	4-Isopropyltoluene	<10	10
1634-04-4	Methyl tert-Butyl Ether	<10	10
75-09-2	Methylene Chloride	<10	10
78-93-3	2-Butanone (MEK)	<10	10
91-57-6	2-Methylnaphthalene	<10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	<10	10
91-20-3	Naphthalene	<10	10
103-65-1	n-Propylbenzene	<2.0	2.0
100-42-5	Styrene	<2.0	2.0
630-20-6	1,1,1,2-Tetrachloroethane	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.0	2.0
127-18-4	Tetrachloroethene	<2.0	2.0
109-99-9	Tetrahydrofuran	<10	10
108-88-3	Toluene	<2.0	2.0
87-61-6	1,2,3-Trichlorobenzene	<10	10
120-82-1	1,2,4-Trichlorobenzene	<10	10
71-55-6	1,1,1-Trichloroethane	<b>190</b>	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<b>91</b>	2.0
75-69-4	Trichlorofluoromethane	<b>2.9</b>	2.0
96-18-4	1,2,3-Trichloropropane	<2.0	2.0
95-63-6	1,2,4-Trimethylbenzene	<2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	<2.0	2.0

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**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105281</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-20s</b>	Sampled:	05/13/11 10:20
Lab Sample ID:	<b>1105281-15</b>	Sampled By:	J.J.
Matrix:	Water	Received:	05/17/11 18:40
Unit:	ug/L	Prepared:	05/20/11 By: JDM
Dilution Factor:	2	Analyzed:	05/21/11 By: JDM
QC Batch:	1104832	Analytical Batch:	1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	<2.0	2.0
136777-61-2	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	106	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	97	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	95	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-20d**  
 Lab Sample ID: **1105281-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 11:05  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/21/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22010

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<40	40
107-13-1	Acrylonitrile	<4.0	4.0
71-43-2	Benzene	<2.0	2.0
108-86-1	Bromobenzene	<2.0	2.0
74-97-5	Bromochloromethane	<2.0	2.0
75-27-4	Bromodichloromethane	<2.0	2.0
75-25-2	Bromoform	<2.0	2.0
74-83-9	Bromomethane	<10	10
104-51-8	n-Butylbenzene	<2.0	2.0
135-98-8	sec-Butylbenzene	<2.0	2.0
98-06-6	tert-Butylbenzene	<2.0	2.0
*75-15-0	Carbon Disulfide	<2.0	2.0
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
75-00-3	Chloroethane	<10	10
67-66-3	Chloroform	<2.0	2.0
74-87-3	Chloromethane	<10	10
96-12-8	1,2-Dibromo-3-chloropropane	<10	10
124-48-1	Dibromochloromethane	<2.0	2.0
106-93-4	1,2-Dibromoethane	<2.0	2.0
74-95-3	Dibromomethane	<2.0	2.0
110-57-6	trans-1,4-Dichloro-2-butene	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
541-73-1	1,3-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-71-8	Dichlorodifluoromethane	<10	10
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<b>170</b>	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0

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\*See Statement of Data Qualifications

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-20d**  
 Lab Sample ID: **1105281-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 11:05  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/21/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22010

#### Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
78-87-5	1,2-Dichloropropane	<2.0	2.0
10061-01-5	cis-1,3-Dichloropropene	<2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
60-29-7	Ethyl Ether	<10	10
591-78-6	2-Hexanone	<10	10
74-88-4	Iodomethane	<2.0	2.0
98-82-8	Isopropylbenzene	<2.0	2.0
99-87-6	4-Isopropyltoluene	<10	10
1634-04-4	Methyl tert-Butyl Ether	<10	10
75-09-2	Methylene Chloride	<10	10
78-93-3	2-Butanone (MEK)	<10	10
91-57-6	2-Methylnaphthalene	<10	10
108-10-1	4-Methyl-2-pentanone (MIBK)	<10	10
91-20-3	Naphthalene	<10	10
103-65-1	n-Propylbenzene	<2.0	2.0
100-42-5	Styrene	<2.0	2.0
630-20-6	1,1,1,2-Tetrachloroethane	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.0	2.0
127-18-4	Tetrachloroethene	<2.0	2.0
109-99-9	Tetrahydrofuran	<10	10
108-88-3	Toluene	<2.0	2.0
87-61-6	1,2,3-Trichlorobenzene	<10	10
120-82-1	1,2,4-Trichlorobenzene	<10	10
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<2.0	2.0
75-69-4	Trichlorofluoromethane	<2.0	2.0
96-18-4	1,2,3-Trichloropropane	<2.0	2.0
95-63-6	1,2,4-Trimethylbenzene	<2.0	2.0
108-67-8	1,3,5-Trimethylbenzene	<2.0	2.0

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-20d**  
 Lab Sample ID: **1105281-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 2  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 11:05  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/21/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22010

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

CAS Number	Analyte	Analytical Result	RL
75-01-4	Vinyl Chloride	2.6	2.0
136777-61-2	Xylene, Meta + Para	<4.0	4.0
95-47-6	Xylene, Ortho	<2.0	2.0
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	88-116
	<i>1,2-Dichloroethane-d4</i>	105	87-123
	<i>Toluene-d8</i>	97	91-107
	<i>4-Bromofluorobenzene</i>	96	84-106

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-25s**  
 Lab Sample ID: **1105281-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 12:22  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

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\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-25s**  
 Lab Sample ID: **1105281-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 12:22  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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	<b>21</b>	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<b>2.2</b>	1.0
75-69-4	Trichlorofluoromethane	<1.0	1.0
96-18-4	1,2,3-Trichloropropane	<1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	<1.0	1.0
108-67-8	1,3,5-Trimethylbenzene	<1.0	1.0

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**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-25s**  
 Lab Sample ID: **1105281-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 12:22  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	105	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
<i>Toluene-d8</i>	98	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-7s**  
 Lab Sample ID: **1105281-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 13:23  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-7s**  
 Lab Sample ID: **1105281-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 13:23  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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	<b>1.5</b>	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<b>12</b>	1.0
75-69-4	Trichlorofluoromethane	<1.0	1.0
96-18-4	1,2,3-Trichloropropane	<1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	<1.0	1.0
108-67-8	1,3,5-Trimethylbenzene	<1.0	1.0

Continued on next page

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-7s**  
 Lab Sample ID: **1105281-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 13:23  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

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

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	104	<i>88-116</i>
<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
<i>Toluene-d8</i>	98	<i>91-107</i>
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-5s**  
 Lab Sample ID: **1105281-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 14:13  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

### Volatile Organic Compounds by EPA Method 8260B

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

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\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-5s**  
 Lab Sample ID: **1105281-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 14:13  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/21/11 By: JDM  
 Analytical Batch: 1E22009

**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	<b>4.9</b>	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	<b>160</b>	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:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1105281</b>
Project:	Tecumseh Products	Description:	Laboratory Services
Client Sample ID:	<b>MW-5s</b>	Sampled:	05/13/11 14:13
Lab Sample ID:	<b>1105281-19</b>	Sampled By:	J.J.
Matrix:	Water	Received:	05/17/11 18:40
Unit:	ug/L	Prepared:	05/20/11 By: JDM
Dilution Factor:	1	Analyzed:	05/21/11 By: JDM
QC Batch:	1104832	Analytical Batch:	1E22009

**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
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	105	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	95	<i>84-106</i>



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-03**  
 Lab Sample ID: **1105281-20**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 14:20  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**Volatile Organic Compounds by EPA Method 8260B**

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

Continued on next page

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **EB-03**  
 Lab Sample ID: **1105281-20**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1104832

Work Order: **1105281**  
 Description: Laboratory Services  
 Sampled: 05/13/11 14:20  
 Sampled By: J.J.  
 Received: 05/17/11 18:40  
 Prepared: 05/20/11 By: JDM  
 Analyzed: 05/20/11 By: JDM  
 Analytical Batch: 1E22009

**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: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1105281</b>
Project: Tecumseh Products	Description: Laboratory Services
Client Sample ID: <b>EB-03</b>	Sampled: 05/13/11 14:20
Lab Sample ID: <b>1105281-20</b>	Sampled By: J.J.
Matrix: Water	Received: 05/17/11 18:40
Unit: ug/L	Prepared: 05/20/11 By: JDM
Dilution Factor: 1	Analyzed: 05/20/11 By: JDM
QC Batch: 1104832	Analytical Batch: 1E22009

#### 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
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	102	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	103	<i>87-123</i>	
<i>Toluene-d8</i>	97	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	96	<i>84-106</i>	

**QUALITY CONTROL REPORT**
**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104572** 5030B Aqueous Purge & Trap/USEPA-8260B

<b>Method Blank</b>	Analyzed:	05/15/2011	By: JDM
Unit: ug/L	Analytical Batch:	1E16080	

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
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**QC Batch: 1104572 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/15/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E16080

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

**Surrogates:**

<i>Dibromofluoromethane</i>	98	88-116
<i>1,2-Dichloroethane-d4</i>	101	87-123
<i>Toluene-d8</i>	103	91-107
<i>4-Bromofluorobenzene</i>	98	84-106

**Laboratory Control Sample**

Analyzed: 05/15/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E16080

Benzene	40.0	<b>38.8</b>	97	84-119	--	20	1.0
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**QUALITY CONTROL REPORT**
**Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104572 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Laboratory Control Sample (Continued)**

 Analyzed: 05/15/2011 By: JDM  
 Unit: ug/L Analytical Batch: 1E16080

Chlorobenzene		40.0	<b>38.1</b>	95	84-118	--	20	1.0
1,1-Dichloroethene		40.0	<b>39.9</b>	100	77-123	--	20	1.0
Toluene		40.0	<b>38.7</b>	97	85-118	--	20	1.0
Trichloroethene		40.0	<b>38.1</b>	95	82-119	--	20	1.0

**Surrogates:**

<i>Dibromofluoromethane</i>				100	88-116			
<i>1,2-Dichloroethane-d4</i>				99	87-123			
<i>Toluene-d8</i>				104	91-107			
<i>4-Bromofluorobenzene</i>				100	84-106			

**Matrix Spike 1105169-07 MW-27s**

 Analyzed: 05/15/2011 By: JDM  
 Unit: ug/L Analytical Batch: 1E16080

Benzene	<1.0	40.0	<b>40.0</b>	100	80-129	--	9	1.0
Chlorobenzene	<1.0	40.0	<b>38.9</b>	97	80-121	--	8	1.0
1,1-Dichloroethene	<1.0	40.0	<b>40.7</b>	102	74-134	--	11	1.0
Toluene	<1.0	40.0	<b>39.9</b>	100	79-129	--	9	1.0
Trichloroethene	1.13	40.0	<b>39.5</b>	96	75-127	--	10	1.0

**Surrogates:**

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

**Matrix Spike Duplicate 1105169-07 MW-27s**

 Analyzed: 05/15/2011 By: JDM  
 Unit: ug/L Analytical Batch: 1E16080

Benzene	<1.0	40.0	<b>39.1</b>	98	80-129	2	9	1.0
Chlorobenzene	<1.0	40.0	<b>38.0</b>	95	80-121	2	8	1.0
1,1-Dichloroethene	<1.0	40.0	<b>39.2</b>	98	74-134	4	11	1.0
Toluene	<1.0	40.0	<b>39.0</b>	97	79-129	2	9	1.0
Trichloroethene	1.13	40.0	<b>38.4</b>	93	75-127	3	10	1.0

**Surrogates:**

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

**QC Batch: 1104573** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank**

 Analyzed: 05/16/2011 By: JDM  
 Unit: ug/L Analytical Batch: 1E16081

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
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**QC Batch: 1104573 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/16/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E16081

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
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**QC Batch: 1104573 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/16/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E16081

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

**Surrogates:**

<i>Dibromofluoromethane</i>	98	88-116
<i>1,2-Dichloroethane-d4</i>	101	87-123
<i>Toluene-d8</i>	105	91-107
<i>4-Bromofluorobenzene</i>	99	84-106

**Laboratory Control Sample**

Analyzed: 05/16/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E16081

Benzene	40.0	<b>38.9</b>	97	84-119	--	20	1.0
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**QUALITY CONTROL REPORT**

**Volatile Organic Compounds by EPA Method 8260B (Continued)**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104573 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Laboratory Control Sample (Continued)**

Unit: ug/L Analyzed: 05/16/2011 By: JDM  
Analytical Batch: 1E16081

Chlorobenzene		40.0	<b>37.8</b>	94	84-118	--	20	1.0
1,1-Dichloroethene		40.0	<b>37.7</b>	94	77-123	--	20	1.0
Toluene		40.0	<b>38.7</b>	97	85-118	--	20	1.0
Trichloroethene		40.0	<b>37.2</b>	93	82-119	--	20	1.0

**Surrogates:**

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

**Matrix Spike 1105202-09** MW-31

Unit: ug/L Analyzed: 05/16/2011 By: JDM  
Analytical Batch: 1E16081

Benzene	<2.0	80.0	<b>77.2</b>	96	80-129	--	9	2.0
Chlorobenzene	<2.0	80.0	<b>74.3</b>	93	80-121	--	8	2.0
1,1-Dichloroethene	<2.0	80.0	<b>72.2</b>	90	74-134	--	11	2.0
Toluene	<2.0	80.0	<b>76.2</b>	95	79-129	--	9	2.0
Trichloroethene	247	80.0	<b>312</b>	82	75-127	--	10	2.0

**Surrogates:**

<i>Dibromofluoromethane</i>				100	88-116			
<i>1,2-Dichloroethane-d4</i>				101	87-123			
<i>Toluene-d8</i>				106	91-107			
<i>4-Bromofluorobenzene</i>				102	84-106			

**Matrix Spike Duplicate 1105202-09** MW-31

Unit: ug/L Analyzed: 05/16/2011 By: JDM  
Analytical Batch: 1E16081

Benzene	<2.0	80.0	<b>78.7</b>	98	80-129	2	9	2.0
Chlorobenzene	<2.0	80.0	<b>75.7</b>	95	80-121	2	8	2.0
1,1-Dichloroethene	<2.0	80.0	<b>74.5</b>	93	74-134	3	11	2.0
Toluene	<2.0	80.0	<b>77.6</b>	97	79-129	2	9	2.0
Trichloroethene	247	80.0	<b>320</b>	92	75-127	3	10	2.0

**Surrogates:**

<i>Dibromofluoromethane</i>				101	88-116			
<i>1,2-Dichloroethane-d4</i>				101	87-123			
<i>Toluene-d8</i>				107	91-107			
<i>4-Bromofluorobenzene</i>				103	84-106			

**QC Batch: 1104832** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank**

Unit: ug/L Analyzed: 05/20/2011 By: JDM  
Analytical Batch: 1E22009

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
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/20/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

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

Continued on next page

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

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/20/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

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

**Surrogates:**

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

**Method Blank**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22010

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
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22010

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

Continued on next page

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

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Method Blank (Continued)**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22010

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

**Surrogates:**

<i>Dibromofluoromethane</i>	101	88-116
<i>1,2-Dichloroethane-d4</i>	102	87-123
<i>Toluene-d8</i>	97	91-107
<i>4-Bromofluorobenzene</i>	96	84-106

**Laboratory Control Sample**

Analyzed: 05/20/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

Benzene	40.0	<b>40.8</b>	102	84-119	--	20	1.0
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Continued on next page

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

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Laboratory Control Sample (Continued)**

Analyzed: 05/20/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

Chlorobenzene		40.0	<b>40.5</b>	101	84-118	--	20	1.0
1,1-Dichloroethene		40.0	<b>41.0</b>	102	77-123	--	20	1.0
Toluene		40.0	<b>40.7</b>	102	85-118	--	20	1.0
Trichloroethene		40.0	<b>42.7</b>	107	82-119	--	20	1.0

**Surrogates:**

<i>Dibromofluoromethane</i>				101	88-116			
<i>1,2-Dichloroethane-d4</i>				100	87-123			
<i>Toluene-d8</i>				100	91-107			
<i>4-Bromofluorobenzene</i>				102	84-106			

**Laboratory Control Sample**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22010

Benzene		40.0	<b>38.5</b>	96	84-119	--	20	1.0
Chlorobenzene		40.0	<b>38.6</b>	96	84-118	--	20	1.0
1,1-Dichloroethene		40.0	<b>38.2</b>	96	77-123	--	20	1.0
Toluene		40.0	<b>38.4</b>	96	85-118	--	20	1.0
Trichloroethene		40.0	<b>37.2</b>	93	82-119	--	20	1.0

**Surrogates:**

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

**Matrix Spike 1105281-15 MW-20s**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

Benzene	<2.0	80.0	<b>81.2</b>	101	80-129	--	9	2.0
Chlorobenzene	<2.0	80.0	<b>79.4</b>	99	80-121	--	8	2.0
1,1-Dichloroethene	2.78	80.0	<b>84.3</b>	102	74-134	--	11	2.0
Toluene	<2.0	80.0	<b>80.3</b>	100	79-129	--	9	2.0
Trichloroethene	91.5	80.0	<b>165</b>	92	75-127	--	10	2.0

**Surrogates:**

<i>Dibromofluoromethane</i>				105	88-116			
<i>1,2-Dichloroethane-d4</i>				101	87-123			
<i>Toluene-d8</i>				101	91-107			
<i>4-Bromofluorobenzene</i>				102	84-106			

**Matrix Spike Duplicate 1105281-15 MW-20s**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

Benzene	<2.0	80.0	<b>79.8</b>	100	80-129	2	9	2.0
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Continued on next page

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

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1104832 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Matrix Spike Duplicate (Continued) 1105281-15 MW-20s**

Analyzed: 05/21/2011 By: JDM

Unit: ug/L

Analytical Batch: 1E22009

Chlorobenzene	<2.0	80.0	<b>79.0</b>	99	80-121	0.6	8	2.0
1,1-Dichloroethene	2.78	80.0	<b>83.1</b>	100	74-134	1	11	2.0
Toluene	<2.0	80.0	<b>79.7</b>	100	79-129	0.8	9	2.0
Trichloroethene	91.5	80.0	<b>162</b>	88	75-127	2	10	2.0

**Surrogates:**

<i>Dibromofluoromethane</i>				103	88-116
<i>1,2-Dichloroethane-d4</i>				101	87-123
<i>Toluene-d8</i>				100	91-107
<i>4-Bromofluorobenzene</i>				102	84-106

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

**Qualification:** The SCV for this initial calibration had a recovery outside the control limit. All results for this analyte in the associated calibration should be considered as estimated.

Analysis: USEPA-8260B

Sample/Analyte:	1105281-01 TB-03	Carbon Disulfide
	1105281-02 MW-26s	Carbon Disulfide
	1105281-03 MW-15s	Carbon Disulfide
	1105281-04 MW-11s	Carbon Disulfide
	1105281-05 MW-28s	Carbon Disulfide
	1105281-06 MW-28d	Carbon Disulfide
	1105281-07 MW-12s	Carbon Disulfide
	1105281-08 MW-12d	Carbon Disulfide
	1105281-09 MW-29s	Carbon Disulfide
	1105281-10 MW-29d	Carbon Disulfide
	1105281-11 TB-04	Carbon Disulfide
	1105281-12 MW-13s	Carbon Disulfide
	1105281-13 MW-30s	Carbon Disulfide
	1105281-14 MW-30d	Carbon Disulfide
	1105281-15 MW-20s	Carbon Disulfide
	1105281-16 MW-20d	Carbon Disulfide
	1105281-17 MW-25s	Carbon Disulfide
	1105281-18 MW-7s	Carbon Disulfide
	1105281-19 MW-5s	Carbon Disulfide
	1105281-20 EB-03	Carbon Disulfide

**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:	1105169-01 MW-24s	1,1,1,2-Tetrachloroethane
	1105169-02 TB-01	1,1,1,2-Tetrachloroethane
	1105169-03 MW-24d	1,1,1,2-Tetrachloroethane
	1105169-04 MW-10s	1,1,1,2-Tetrachloroethane
	1105169-05 Dup-01	1,1,1,2-Tetrachloroethane
	1105169-06 MW-14d	1,1,1,2-Tetrachloroethane
	1105169-07 MW-27s	1,1,1,2-Tetrachloroethane
	1105169-08 MW-27d	1,1,1,2-Tetrachloroethane
	1105169-09 MW-18s	1,1,1,2-Tetrachloroethane
	1105169-10 MW-19d	1,1,1,2-Tetrachloroethane
	1105169-11 EB-01	1,1,1,2-Tetrachloroethane
	1105169-12 MW-19s	1,1,1,2-Tetrachloroethane
	1105169-13 Dup-02	1,1,1,2-Tetrachloroethane
	1105169-14 MW-6s	1,1,1,2-Tetrachloroethane
	1105169-15 MW-23	1,1,1,2-Tetrachloroethane
	1105169-16 MW-33s	1,1,1,2-Tetrachloroethane
	1105169-17 MW-32s	1,1,1,2-Tetrachloroethane
	1105169-18 MW-34s	1,1,1,2-Tetrachloroethane
	1105169-19 MW-2s	1,1,1,2-Tetrachloroethane
	1105202-01 TB-02	1,1,1,2-Tetrachloroethane
	1105202-02 MW-3s	1,1,1,2-Tetrachloroethane



**STATEMENT OF DATA QUALIFICATIONS****Volatile Organic Compounds by EPA Method 8260B (Continued)**

**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:	1105202-03 MW-4s	1,1,1,2-Tetrachloroethane
	1105202-04 MW-1s	1,1,1,2-Tetrachloroethane
	1105202-05 MW-9s	1,1,1,2-Tetrachloroethane
	1105202-06 Dup-03	1,1,1,2-Tetrachloroethane
	1105202-07 MW-21	1,1,1,2-Tetrachloroethane
	1105202-08 MW-22	1,1,1,2-Tetrachloroethane
	1105202-09 MW-31	1,1,1,2-Tetrachloroethane
	1105202-10 WL-01	1,1,1,2-Tetrachloroethane
	1105202-11 MW-17s	1,1,1,2-Tetrachloroethane
	1105202-12 EB-02	1,1,1,2-Tetrachloroethane
	1105202-13 MW-14s	1,1,1,2-Tetrachloroethane



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

COC No. **138589**

Analyses Requested

Pg. 2 of 2

192

For Lab Use Only

VOA Rack/Tray: **Box**  
 Receipt Log No.: **7-1**  
 Project Chemical:  
 Work Order No.: **1105169**  
 Client Name: **PMT Fine**  
 Address: **3754 Parkview Drive**  
 City/State/Zip: **Ann Arbor MI 48106**  
 Phone/Fax: **Ann 734-971 2080 734-971 8011**  
 Email:  
 Project Name: **T.P.C.**  
 Client Project No. / P.O. No.:  
 Invoice To:  Client  Other (comments)  
 Contact/Report To: **Stacy Meltz**

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
VOC 0260			

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID / Sample Date	Sample Time	C	O	R	S	Matrix	Comments
01		01	MW 24		0850					+	+
03		02	Trip Blank 01							x6	+
01		03	MW-24D		0940					+	+
		04	MW-103		1043					+	+
		05	DUP-01							+	+
		06	MW-14D		1214					+	+
02		07	MW-273		1353					+	+
		08	MW-273 mstmsD		1440					+	+
01		09	MW-183		1606					+	+

Sampled By (print): **JAW**  
 Sampler's Signature: *JAW*

How Shipped? **Hand**  
 Tracking No. **51611**

1. Requisitioned By: *JAW* Date: **5/16/11** Time: **1850**  
 2. Requisitioned By: *JAW* Date: **5/16/11** Time: **1850**  
 3. Requisitioned By: *JAW* Date: **5/16/11** Time: **0900**



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### Chain of Custody Record

COC No. **138588**

2 of 2

Analyses Requested

Pg. 2 of 2

For Lab Use Only

Client Name: **LMT Inc**  
 Project Name: **T.P.C.**  
 Address: **3754 Renslow Drive**  
 Client Project No. / P.O. No.:  
 City, State Zip: **Ann Arbor MI 48106**  
 Invoice To:  Client  
 Other (comments)  
 Phone/Fax: **734-971-7080 734-971-9001**  
 Contact/Report To: **Stacy MeH**  
 Email:

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total	Sample Comments
VOC 8260			

Schedule	Matrix Code	Sample Number	Field Sample ID	Coder ID	Sample Date	Sample Time	C	O	M	F	D	A	M	Matrix	Number of Containers Submitted	Total	Sample Comments
		10	MW-191D		5/16/11	0838								+6v	2		
		11	Equipment Blank 01			0835								+05	2		
		12	MW-19s											+6v	2		
		13	DUP-03											+6v	2		
		14	MW-6S											+6v	2		
		15	MW-23											+6v	2		
		16	MW-33s											+6v	2		
		17	MW-3As											+6v	2		
		18	MW-34s											+6v	2		
		19	MW-2s											+6v	2		

Sampled By (print): **JAVIER JASSR**  
 Sampler's Signature: *JAVIER JASSR*

How Shipped?  Hand  
 Tracking No. **Carrier**

Comments: **1705**

Company: **PM-T Inc**  
 Requisitioned By: *Spec* Date: **5/16/11** Time: **18:00**  
 Requisitioned By: *Spec* Date: **5/16/11** Time: **18:00**  
 Requisitioned For Lab Use: *Spec* Date: **5/16/11** Time: **09:00**

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: <u>Rmt Inc</u>	Work Order #: <u>1105169</u>
Receipt Record Page/Line #: <u>7-1</u>	Project Chemist: _____ Sample #: _____

Recorded by (Initials/Date): <u>LIC 5/11/11</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other _____	Qty Received: <u>1</u>	<input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Thermometer Used <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (# _____)
---	--	------------------------	--

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>0934</u>	<u>0715</u>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: <u>Dispersed / <u>Top</u> / Middle / Bottom</u>		Coolant Location: _____		Coolant Location: _____		Coolant Location: _____		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			Temp Blank:			Temp Blank:		
TB location: Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<u>9.3</u>	<u>-</u>	Actual °C	<u>9.3</u>		1		
2	<u>9.5</u>	<u>-</u>	Actual °C	<u>9.3</u>		2		
3	<u>9.3</u>	<u>-</u>	Actual °C	<u>9.3</u>		3		
Average °C			Average °C			Average °C		
<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?		
<input checked="" type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?		

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

**Paperwork Received**  No COC Received

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

COC ID #s

TriMatrix: 138589, 138588, 138590

Other (Name or ID#) \_\_\_\_\_

**Check COC for Accuracy**  No analysis requested

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

**Sample Condition Summary**  Non-TriMatrix containers, see Notes

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

**Check Sample Preservation**

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

**Check for Short Hold-Time Prep/Analyses**

N/A	Yes	No	
	<input type="checkbox"/>	<input type="checkbox"/>	Bacteriological
	<input type="checkbox"/>	<input type="checkbox"/>	Air Bags
	<input type="checkbox"/>	<input type="checkbox"/>	EnCores / Methanol Pre-Preserved
	<input type="checkbox"/>	<input type="checkbox"/>	Formaldehyde/Aldehyde
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Green-tagged containers
	<input type="checkbox"/>	<input type="checkbox"/>	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?
		Yes / No



## SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client <b>RMT INC</b>	Work Order # <b>1105109</b>
Receipt Log # <b>7-1</b>	Completed By (initials/date) <b>LR 5/11/11</b>
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			
138590	7							✓			MW-335	5/10/11	1332	1	1/2										
↓	9							✓			MW-345	5/10/11	1540	1	1/2										
138589	7							✓			MW-275	5/9/11	1353	1	1/2										

General Comments:

Project Chemist (initials/date)



5660 Corporate Exchange Court SE  
Grand Rapids, MI 49512

### Chain of Custody Record

COC No.

**138591**

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Analyses Requested

Pg. 1 of 2

VDA Rack/Tray  
51460B,  
Receipt Ldg No.  
9-16  
Project Chemist

Client Name  
RMT Inc  
Address  
3154 Ranchers Drw  
City, State Zip  
Ann Arbor  
Phone/Fax 734-971 2080 734-971800  
Email

Project Name  
T.P.C.  
Client Project No. / P.O. No.  
Invoice To  
 Client  
 Other (comments)  
Contact/Report To  
Stacy Matz

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Total
VX 8960		

- PRESERVATIVES
- A NONE pH<7
- B HNO<sub>3</sub> pH<2
- C H<sub>2</sub>SO<sub>4</sub> pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	C O P M A B	Q R A B	Matrix	Number of Containers Submitted	Total	Sample Comments
03		01	Field Blank KOD						03	1	1	
01		02	MW-33		5/11/11	1800			Kw	2	2	
		03	MW-45		0745	0840			+	2	2	
		04	MW-15			1030			+	2	2	
		05	MW-95						+	2	2	
		06	Duo-03						+	2	2	
		07	MW-216			1130			+	2	2	
		08	MW-22			1251			+	2	2	
		09	MW-31			1406			+	2	2	
		10	MW 31 ms fmsd			1406			+	2	2	

Sampled By (print)  
S. Avira JASS

How Shipped?  
Tracking No.  
Hand  
Carrier

Comments

Company  
RMT Inc

1 Returned By  
Date  
Time

2 Returned By  
Date  
Time

3 Returned By  
Date  
Time

4 Returned By  
Date  
Time

5 Returned By  
Date  
Time

6 Returned By  
Date  
Time



5560 Corporate Exchange Court SE  
Grand Rapids, MI 49512

Phone (616) 975-4500 Fax (616) 942-7463  
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Chain of Custody Record

COC No.

138593

Analyses Requested

Pg. 2 of 2

For Lab Use Only  
Call  
VDA Rack/Tray

Receipt Log No.  
9-16  
Project Chemist

Work Order No.  
1105202

Client Name  
AMT Inc

Address  
3754 Parkview Drive  
City, State Zip  
Ann Arbor MI 48106  
Phone/Fax (734) 971 209 (734) 971 9003  
Email

Project Name  
TRP.C  
Client Project No. / P.O. No.

Invoice To  
 Client  
 Other (comments)

Contag/Report To  
Stacy Metz

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Analyses Requested
8260 Voz	2	

- ☑ PRESERVATIVES
- A NONE pH-7
- B HNO<sub>3</sub> pH<2
- C H<sub>2</sub>SO<sub>4</sub> pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc<sub>2</sub>/NaOH pH>9
- G MeOH
- H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	Matrix	Number of Containers Submitted	Total	Sample Comments
		10	WL 01		5/11/11	14:20	+56 +	2	2	
		11	MW-175		5/11/11	15:36	+66x	2	2	
		12	EB 02		5/11/11	14:30	DIX	2	2	
		13	MW-145		5/11/11	16:52	6VX	2	2	
		5								
		6								
		7								
		8								
		9								
		10								

Sampled By (print)  
Saver JASS

Sampler's Signature  
[Signature]

Company  
AMT Inc

How Shipped? Hand Carper

Tracking No.

Requisitioned By  
[Signature]

Date

Time

2. Requisitioned By

Date

Time

3. Requisitioned By

Date

Time

Comments

[Signature]  
Date 5/11/11 Time 09:00

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: <u>RMT Inc</u>	Work Order #: <u>1105202</u>
Receipt Record Page/Line #: <u>9-4</u>	New / Add To: _____
	Project Chemist: _____ Sample #: _____

Recorded by (Initials/date): <u>RR 5/12/11</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other _____	Qty Received: <u>1</u>	<input checked="" type="checkbox"/> IR Gun (#202) Thermometer Used <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> See Additional Cooler Information Form <input type="checkbox"/> Other (# _____)
--	--	------------------------	--

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>0334</u>	<u>0951</u>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: Dispersed / Top / <u>0</u> Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			Temp Blank:			Temp Blank:		
TB location: Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<u>9.1</u>	-	9.1			1		
2	<u>9.9</u>	-	9.9			2		
3	<u>8.4</u>	-	8.4			3		
Average °C			Average °C			Average °C		
<input checked="" type="checkbox"/> Cooler ID on COC?			<input checked="" type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?		
<input checked="" type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?		

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

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

COC ID #s

TriMatrix 138591, 139593

Other (Name or ID#) \_\_\_\_\_

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

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

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

Check for Short Hold-Time Prep/Analyses	
<input type="checkbox"/> Bacteriological	
<input type="checkbox"/> Air Bags	
<input type="checkbox"/> EnCores / Methanol Pre-Preserved	
<input type="checkbox"/> Formaldehyde/Aldehyde	
<input type="checkbox"/> Green-tagged containers	
<input type="checkbox"/> 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): <u>5/12/11 900</u>	Paperwork Delivered (Date/Time): <u>5/12/11 1000</u>	≤1 Hour Goal Met?
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No





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.

**136760**

Analyses Requested

Pg. 1 of 1

For Lab Use Only  
Cart

VOA Rack/Tray: 377-G 344-G  
Receipt Log No.: 16-26  
Project Chemist:  
Work Order No.: 110582P1

Client Name: RMT Inc  
Address: 3794 Parkview Drive  
City, State Zip: Ann Arbor MI 48107  
Phone/Fax: 734-571 7000 / 734-571 8000  
Email:

Project Name: T.P.C.  
Client Project No. / P.O. No.: 0275108001  
Invoice To:  Client  Other (comments)  
Contact/Report To: Stacy Math

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Preservative
D	1	A NONE pH-7
		B HNO <sub>3</sub> pH<2
		C H <sub>2</sub> SO <sub>4</sub> pH<2
		D 1+1 HCl pH<2
		E NaOH pH>12
		F ZnAc/NaOH pH>9
		G MeOH
		H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	C	O	M	A	B	Matrix	total	Sample Comments
03		01	TR-03 J-1 TR-03 Blank 03	0983	5/6/11	0817	+	+	+	+	+	05	1	
		02	MW-265			0940	+	+	+	+	+		2	
		03	MW-153			1110	+	+	+	+	+		2	
		04	MW-115			1244	+	+	+	+	+		2	
		05	MW-285			1358	+	+	+	+	+		2	
		06	MW-28D			1504	+	+	+	+	+		2	
		07	MW-125			1602	+	+	+	+	+		2	
		08	MW-12D			1702	+	+	+	+	+		2	
		09	MW-285			1748	+	+	+	+	+		2	
		10	MW-28D											

Sampled By (print): JAVUSTAS  
Sampler's Signature: [Signature]  
Company: RMT Inc

How Shipped? Hand  Carrier   
Tracking No.:

1 Requisitioned By	Date	Time	2 Requisitioned By	Date	Time	3 Received For Lab By	Date	Time
[Signature]	5/13/11	05:15	[Signature]	5-17-11	18:45	[Signature]	5-17-11	18:40
[Signature]	5-17-11	5:17:11	[Signature]	5-17-11	18:45	[Signature]	5-17-11	18:40

WHITE COPY - REPORT

YELLOW COPY - LABORATORY

PINK COPY - FIELD



5660 Corporate Exchange Court SE  
 Grand Rapids, MI 49512  
 Phone (616) 975-4500 Fax (616) 942-7463  
 www.trimatrixlabs.com

For Lab Use Only

Chain of Custody Record

COC No. 136761

Analyses Requested

Pg. 1 of 2

Client Name: **MT Inc**  
 Project Name: **1.0.C.**  
 Address: **3754 Pinkshaw Drive**  
 Client Project No. / P.O. No.: **03751.08.01**  
 City, State Zip: **Ann Arbor MI 48106**  
 Invoice To:  Client  Other (comments)  
 Phone/Fax: **734-571-7600 734-571-9000**  
 Contact/Report To: **Steve Math**  
 Email:

Container Type (corresponds to Container Packing List)	Number of Containers Submitted	Preservative	Sample Comments
		A NONE pH=7	
		B HNO <sub>3</sub> pH<2	
		C H <sub>2</sub> SO <sub>4</sub> pH<2	
		D 1+1 HCl pH<2	
		E NaOH pH>12	
		F ZnAc/NaOH pH>9	
		G MeOH	
		H Other (note below)	

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	Matrix				Number of Containers Submitted	Total	Sample Comments
							C	D	R	M			
03		11	F-B 09TB-04	0983	5/11/11	1831	+	+	+	+	1	2	
01		12	MW-13s		5/13/11	0750	+	+	+	+	2	2	
		13	MW-30s		5/13/11	0911	+	+	+	+	2	2	
		14	MW-30D			1030	+	+	+	+	2	2	
		15	MW-20s			1030	+	+	+	+	2	2	
		16	MW-20 ms MSD			1030	+	+	+	+	2	2	
		17	MW-20 D			1105	+	+	+	+	2	2	
		18	MW-25s			1222	+	+	+	+	2	2	
		19	MW 7s			1333	+	+	+	+	2	2	
		20	MW 5s			1413	+	+	+	+	2	2	

Sampled By (print): **JAVIER J ABS**  
 Sampler's Signature: *[Signature]*  
 How Shipped? \_\_\_\_\_ Hand \_\_\_\_\_ Carrih \_\_\_\_\_  
 Tracking No. \_\_\_\_\_

1. Requisitioned By	Date	Time	2. Requisitioned By	Date	Time	3. Requisitioned By	Date	Time
<i>[Signature]</i>	5/13/11	15:30	<i>[Signature]</i>	5-17-11	15:45	<i>[Signature]</i>	5-17-11	18:40

1. Requisitioned By Date Time  
 2. Requisitioned By Date Time  
 3. Requisitioned By Date Time

WHITE COPY - REPORT

YELLOW COPY - LABORATORY

PINK COPY - FIELD



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.

**138594**

Analyses Requested

Pg. **2** of **2**

← PRESERVATIVES

- A NONE pH<7
- B HNO<sub>3</sub> pH<2
- C H<sub>2</sub>SO<sub>4</sub> pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc<sub>2</sub>/NaOH pH>9
- G MeOH
- H Other (note below)

Container Type (corresponds to Container Packing List)	Number of Containers Submitted
UUC B260	2

Client Name: **DMT Inc**  
Project Name: **T.P.C.**  
Client Project No. / P.O. No.:  
Invoice To:  Client  Other (comments)  
Contact/Report To: **Stacy Mof**

Address: **3154 Parkers Drive**  
City, State Zip: **Ann Arbor MI 48106**  
Phone/Fax: **734-971 7086 734-971 8033**  
Email:

VOA Rack/Tray: **597-G 571-G**  
Receipt Log No: **16-27**  
Project Chemical:  
Work Order No.: **1105281**

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	C O M P O S I T I O N	Matrix	Number of Containers Submitted	Total	Sample Comments
01		20	E B - 03	0983	5/13/11	142	X	DI X		2	

Sampled By (print): **SAVER JAS**  
How Shipped?  Tracking No.  Hand  Carrier: **Estrie**

Company: **DMT Inc**  
1. Requisitioned By: **[Signature]** Date: **5/13/11** Time: **15:30**  
2. Received By: **[Signature]** Date: **5-17-11** Time: **15:45**  
3. Requisitioned For Lab By: **[Signature]** Date: **5-17-11** Time: **18:40**

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: <u>RMT</u>	Work Order #: <u>1105281</u>
Receipt Record Page/Line #: <u>16-27</u>	New / Add To Project Chemist: _____ Sample #: _____

Recorded by (Initials/date): <u>CF 5-17-11</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other _____	Qty Received: <u>1</u>	<input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54)	<input type="checkbox"/> See Additional Cooler Information Form <input type="checkbox"/> Other (# _____)
--	--	------------------------	---	---

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>0983</u>	<u>21:26</u>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: Dispersed / <input checked="" type="checkbox"/> Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input checked="" type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	<u>0</u>	<u>6.2</u>	Temp Blank:			Temp Blank:		
TB location: <input checked="" type="checkbox"/> Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<u>7.8</u>	<u>0</u>	1			1		
2	<u>6.9</u>	<u>0</u>	2			2		
3	<u>6.1</u>	<u>0</u>	3			3		
Average °C			Average °C			Average °C		
<u>6.9</u>								
<input checked="" type="checkbox"/> Cooler ID on COC? <input checked="" type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		

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

<b>Paperwork Received</b>			<input type="checkbox"/> No COC Received
N/A	Yes	No	<input checked="" type="checkbox"/> Chain of Custody record(s)? If No, COC Initiated By _____ <input checked="" type="checkbox"/> Rec'd for Lab Signed/Date/Time? <input checked="" type="checkbox"/> Shipping document? <input type="checkbox"/> Other _____
COC ID #s			
<input checked="" type="checkbox"/> TriMatrix <u>136761</u> <u>138594</u> <input type="checkbox"/> Other (Name or ID#) _____			
<b>Check COC for Accuracy</b>			<input type="checkbox"/> No analysis requested
Yes	No	<input checked="" type="checkbox"/> Sample ID matches COC? <input checked="" type="checkbox"/> Sample Date and Time matches COC? <input checked="" type="checkbox"/> Container type completed on COC? <input checked="" type="checkbox"/> All container types indicated are received?	
<b>Sample Condition Summary</b>			
N/A	Yes	No	<input checked="" type="checkbox"/> Broken containers/lids? <input checked="" type="checkbox"/> Missing or incomplete labels? <input checked="" type="checkbox"/> Illegible information on labels? <input checked="" type="checkbox"/> Low volume received? <input checked="" type="checkbox"/> Inappropriate containers received? <input type="checkbox"/> VOC vials / TOX containers have headspace? <input type="checkbox"/> Extra sample locations / containers not listed on COC?
<input type="checkbox"/> Non-TriMatrix containers, see Notes			

<b>Check Sample Preservation</b>			
N/A	Yes	No	<input checked="" type="checkbox"/> Average sample temperature ≤6° C? <input checked="" type="checkbox"/> Completed Sample Preservation Verification Form? <input checked="" type="checkbox"/> Samples preserved correctly? If "No", added orange tag? <input checked="" type="checkbox"/> Received pre-preserved VOC soils? <input type="checkbox"/> MeOH <input type="checkbox"/> Na <sub>2</sub> SO <sub>4</sub>
<b>Check for Short Hold-Time Prep/Analyses</b>			
<input type="checkbox"/> Bacteriological <input type="checkbox"/> Air Bags <input type="checkbox"/> EnCores / Methanol Pre-Preserved <input type="checkbox"/> Formaldehyde/Aldehyde <input type="checkbox"/> Green-tagged containers <input type="checkbox"/> Yellow/White-tagged 1L ambers (SV Prep-Lab)			
<b>AFTER HOURS ONLY:</b> COPIES OF COC TO LAB AREA(S) <input checked="" type="checkbox"/> NONE RECEIVED <input type="checkbox"/> RECEIVED, COCs TO LAB(S)			
<b>Notes</b>			
<input checked="" type="checkbox"/> Trip Blank received <input type="checkbox"/> Trip Blank not listed on COC <input type="checkbox"/> No COC received, Proj. Chemist reviewed (Init/Date) _____ <input type="checkbox"/> No analysis requested, Proj. Chemist completed (Init/Date) _____			
Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?	
<u>5-17-11 18:40</u>	<u>5-17-11 21:49</u>	Yes / No	

May 24, 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:

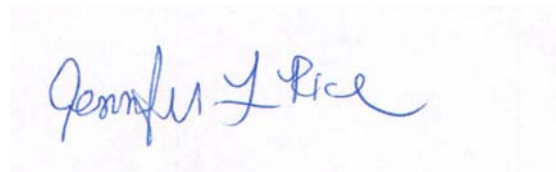
<b>Work Order</b>	<b>Received</b>	<b>Description</b>
1105136	05/10/2011	Laboratory Services
1105170	05/11/2011	Laboratory Services
1105201	05/12/2011	Laboratory Services

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

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

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

Sincerely,



Jennifer L. Rice  
Project Chemist

Enclosures(s)

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24s**  
 Lab Sample ID: **1105136-01**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 08:50  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	110	2.0	mg/L	2	SM 4500-Cl E 20th	05/18/11 11:47	LMA	1104676
*Iron, Ferrous	0.029	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 08:58	CLD	1104210
Nitrogen, Nitrate	1.4	0.10	mg/L	2	SM 4500-NO3 F 20th	05/10/11 16:12	CKD	1104539
Sulfate	46	2.0	mg/L	2	ASTM D516-90 (02)	05/18/11 11:54	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-24d**  
 Lab Sample ID: **1105136-02**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 09:40  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	930	10	mg/L	10	SM 4500-Cl E 20th	05/18/11 11:47	LMA	1104676
*Iron, Ferrous	1.6	0.50	mg/L	25	SM 3500-Fe B 20th	05/10/11 08:58	CLD	1104210
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F 20th	05/10/11 15:37	CKD	1104539
Sulfate	110	5.0	mg/L	5	ASTM D516-90 (02)	05/18/11 11:55	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-10s**  
 Lab Sample ID: **1105136-03**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 10:43  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	<b>7.8</b>	1.0	mg/L	1	SM 4500-Cl E 20th	05/18/11 11:02	LMA	1104676
*Iron, Ferrous	<b>0.028</b>	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 08:59	CLD	1104210
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F 20th	05/10/11 15:38	CKD	1104539
Sulfate	<b>28</b>	1.0	mg/L	1	ASTM D516-90 (02)	05/18/11 10:24	LMA	1104670

\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-01**  
 Lab Sample ID: **1105136-04**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Chloride</b>	<b>170</b>	2.0	mg/L	2	SM 4500-Cl E 20th	05/18/11 11:47	LMA	1104676
*Iron, Ferrous	<0.020	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 08:59	CLD	1104210
<b>Nitrogen, Nitrate</b>	<b>0.16</b>	0.050	mg/L	1	SM 4500-NO3 F 20th	05/10/11 15:39	CKD	1104539
<b>Sulfate</b>	<b>72</b>	5.0	mg/L	5	ASTM D516-90 (02)	05/18/11 12:24	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-14d**  
 Lab Sample ID: **1105136-05**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 12:14  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	170	2.0	mg/L	2	SM 4500-Cl E 20th	05/18/11 11:47	LMA	1104676
*Iron, Ferrous	0.043	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 09:00	CLD	1104210
Nitrogen, Nitrate	0.15	0.050	mg/L	1	SM 4500-NO3 F 20th	05/10/11 15:41	CKD	1104539
Sulfate	73	5.0	mg/L	5	ASTM D516-90 (02)	05/18/11 12:24	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27s**  
 Lab Sample ID: **1105136-06**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 13:53  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	180	2.0	mg/L	2	SM 4500-Cl E 20th	05/18/11 11:47	LMA	1104676
*Iron, Ferrous	0.024	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 09:00	CLD	1104210
Nitrogen, Nitrate	2.9	0.25	mg/L	5	SM 4500-NO3 F 20th	05/10/11 16:14	CKD	1104539
Sulfate	48	2.0	mg/L	2	ASTM D516-90 (02)	05/18/11 12:01	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-27d**  
 Lab Sample ID: **1105136-07**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 14:40  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	200	5.0	mg/L	5	SM 4500-Cl E 20th	05/18/11 12:27	LMA	1104676
*Iron, Ferrous	0.20	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 09:01	CLD	1104210
Nitrogen, Nitrate	0.45	0.050	mg/L	1	SM 4500-NO3 F 20th	05/10/11 15:47	CKD	1104539
Sulfate	63	2.0	mg/L	2	ASTM D516-90 (02)	05/18/11 12:01	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-18s**  
 Lab Sample ID: **1105136-08**  
 Matrix: Water

Work Order: **1105136**  
 Description: Laboratory Services  
 Sampled: 05/09/11 16:06  
 Sampled By: J. Jasso  
 Received: 05/10/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	600	10	mg/L	10	SM 4500-Cl E 20th	05/18/11 12:27	LMA	1104676
*Iron, Ferrous	0.028	0.020	mg/L	1	SM 3500-Fe B 20th	05/10/11 09:02	CLD	1104210
Nitrogen, Nitrate	2.3	0.25	mg/L	5	SM 4500-NO3 F 20th	05/10/11 16:17	CKD	1104539
Sulfate	46	2.0	mg/L	2	ASTM D516-90 (02)	05/18/11 12:04	LMA	1104670

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19d**  
 Lab Sample ID: **1105170-01**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 08:28  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	<b>180</b>	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:30	LMA	1104791
*Iron, Ferrous	<b>1.4</b>	0.50	mg/L	25	SM 3500-Fe B 20th	05/11/11 08:39	CLD	1104326
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F 20th	05/11/11 13:14	CKD	1104547
Sulfate	<b>61</b>	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 10:53	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-19s**  
 Lab Sample ID: **1105170-02**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 09:35  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	120	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:30	LMA	1104791
*Iron, Ferrous	0.035	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:40	CLD	1104326
Nitrogen, Nitrate	2.0	0.25	mg/L	5	SM 4500-NO3 F 20th	05/11/11 13:29	CKD	1104547
Sulfate	34	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 08:44	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-02**  
 Lab Sample ID: **1105170-03**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	110	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:55	LMA	1104791
*Iron, Ferrous	0.026	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:40	CLD	1104326
Nitrogen, Nitrate	2.0	0.25	mg/L	5	SM 4500-NO3 F 20th	05/11/11 13:31	CKD	1104547
Sulfate	34	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 08:51	LMA	1104783

\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-6s**  
 Lab Sample ID: **1105170-04**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 11:07  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	68	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 08:50	LMA	1104791
*Iron, Ferrous	0.030	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:41	CLD	1104326
Nitrogen, Nitrate	8.2	0.50	mg/L	10	SM 4500-NO3 F 20th	05/11/11 13:32	CKD	1104547
Sulfate	42	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 10:53	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-23**  
 Lab Sample ID: **1105170-05**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 12:13  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	220	5.0	mg/L	5	SM 4500-Cl E 20th	05/20/11 10:20	LMA	1104791
*Iron, Ferrous	1.2	0.50	mg/L	25	SM 3500-Fe B 20th	05/11/11 08:41	CLD	1104326
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F 20th	05/11/11 13:18	CKD	1104547
Sulfate	56	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 11:09	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-33s**  
 Lab Sample ID: **1105170-06**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 13:32  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	160	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:20	LMA	1104791
*Iron, Ferrous	0.35	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:41	CLD	1104326
Nitrogen, Nitrate	13	1.2	mg/L	25	SM 4500-NO3 F 20th	05/11/11 13:33	CKD	1104547
Sulfate	26	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 08:52	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-32s**  
 Lab Sample ID: **1105170-07**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 14:45  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	<b>66</b>	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 08:57	LMA	1104791
*Iron, Ferrous	<b>0.10</b>	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:42	CLD	1104326
Nitrogen, Nitrate	<b>1.4</b>	0.25	mg/L	5	SM 4500-NO3 F 20th	05/11/11 13:34	CKD	1104547
Sulfate	<b>22</b>	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 08:59	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-34s**  
 Lab Sample ID: **1105170-08**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 15:40  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	59	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 08:57	LMA	1104791
*Iron, Ferrous	0.028	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:42	CLD	1104326
Nitrogen, Nitrate	3.5	0.25	mg/L	5	SM 4500-NO3 F 20th	05/11/11 13:35	CKD	1104547
Sulfate	24	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 08:59	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-3s**  
 Lab Sample ID: **1105170-09**  
 Matrix: Water

Work Order: **1105170**  
 Description: Laboratory Services  
 Sampled: 05/10/11 18:00  
 Sampled By: J. Jasso  
 Received: 05/11/11 07:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	130	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:20	LMA	1104791
*Iron, Ferrous	0.028	0.020	mg/L	1	SM 3500-Fe B 20th	05/11/11 08:43	CLD	1104326
Nitrogen, Nitrate	0.56	0.050	mg/L	1	SM 4500-NO3 F 20th	05/11/11 13:25	CKD	1104547
Sulfate	39	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 11:09	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-4s**  
 Lab Sample ID: **1105201-01**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 07:45  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	<b>62</b>	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 09:08	LMA	1104791
*Iron, Ferrous	<b>0.036</b>	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:40	CLD	1104418
Nitrogen, Nitrate	<b>0.17</b>	0.050	mg/L	1	SM 4500-NO3 F 20th	05/12/11 16:07	CKD	1104551
Sulfate	<b>20</b>	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 09:59	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-1s**  
 Lab Sample ID: **1105201-02**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 08:40  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	50	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 09:08	LMA	1104791
*Iron, Ferrous	0.031	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:40	CLD	1104418
Nitrogen, Nitrate	2.8	0.25	mg/L	5	SM 4500-NO3 F 20th	05/12/11 16:18	CKD	1104551
Sulfate	23	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 10:18	LMA	1104783

\*See Statement of Data Qualifications



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-9s**  
 Lab Sample ID: **1105201-03**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 10:28  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	5.9	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 09:08	LMA	1104791
*Iron, Ferrous	0.046	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:41	CLD	1104418
Nitrogen, Nitrate	1.2	0.10	mg/L	2	SM 4500-NO3 F 20th	05/12/11 16:19	CKD	1104551
Sulfate	5.7	1.0	mg/L	1	ASTM D516-90 (02)	05/20/11 10:58	LMA	1104782

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **Dup-03**  
 Lab Sample ID: **1105201-04**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 00:00  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	110	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:27	LMA	1104791
*Iron, Ferrous	0.024	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:41	CLD	1104418
Nitrogen, Nitrate	0.61	0.050	mg/L	1	SM 4500-NO3 F 20th	05/12/11 16:10	CKD	1104551
Sulfate	34	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 11:13	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-21**  
 Lab Sample ID: **1105201-05**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 11:34  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
<b>Chloride</b>	<b>110</b>	2.0	mg/L	2	SM 4500-Cl E 20th	05/20/11 10:27	LMA	1104791
*Iron, Ferrous	<0.020	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:41	CLD	1104418
<b>Nitrogen, Nitrate</b>	<b>0.57</b>	0.050	mg/L	1	SM 4500-NO3 F 20th	05/12/11 16:12	CKD	1104551
<b>Sulfate</b>	<b>34</b>	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 11:19	LMA	1104783

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products  
 Client Sample ID: **MW-17s**  
 Lab Sample ID: **1105201-06**  
 Matrix: Water

Work Order: **1105201**  
 Description: Laboratory Services  
 Sampled: 05/11/11 15:36  
 Sampled By: J. Jasso  
 Received: 05/12/11 09:00

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Chloride	<b>98</b>	1.0	mg/L	1	SM 4500-Cl E 20th	05/20/11 09:08	LMA	1104791
*Iron, Ferrous	<b>0.062</b>	0.020	mg/L	1	SM 3500-Fe B 20th	05/12/11 10:42	CLD	1104418
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F 20th	05/12/11 16:15	CKD	1104551
Sulfate	<b>39</b>	2.0	mg/L	2	ASTM D516-90 (02)	05/20/11 11:13	LMA	1104783

\*See Statement of Data Qualifications

**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
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**Analyte: Chloride/SM 4500-Cl E 20th**

QC Batch: 1104676 (General Inorganic Prep)						Analyzed: 05/18/2011 By: LMA			
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	<b>48.0</b>	mg/L	96	90-106		20	1.0
<b>1105136-06 [MW-27s]</b>									
Matrix Spike	180	50.0	<b>235</b>	mg/L	111	72-123		20	5.0
Matrix Spike Duplicate	180	50.0	<b>234</b>	mg/L	108	72-123	0.5	20	5.0

QC Batch: 1104791 (General Inorganic Prep)						Analyzed: 05/20/2011 By: LMA			
Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		50.0	<b>49.7</b>	mg/L	99	90-106		20	1.0
<b>1105170-01 [MW-19d]</b>									
Matrix Spike	177	50.0	<b>234</b>	mg/L	114	72-123		20	5.0
Matrix Spike Duplicate	177	50.0	<b>232</b>	mg/L	110	72-123	0.9	20	5.0

**Analyte: Iron, Ferrous/SM 3500-Fe B 20th**

QC Batch: 1104210 (General Inorganic Prep)						Analyzed: 05/10/2011 By: CLD			
Method Blank			<0.020	mg/L					0.020
Laboratory Control Sample		0.320	<b>0.325</b>	mg/L	101	80-120		20	0.020
<b>1105136-06 [MW-27s]</b>									
Matrix Spike	0.0236	0.320	<b>0.350</b>	mg/L	102	68-131		20	0.020
Matrix Spike Duplicate	0.0236	0.320	<b>0.346</b>	mg/L	101	68-131	1	20	0.020

QC Batch: 1104326 (General Inorganic Prep)						Analyzed: 05/11/2011 By: CLD			
Method Blank			<0.020	mg/L					0.020
Laboratory Control Sample		0.320	<b>0.315</b>	mg/L	99	80-120		20	0.020
<b>1105170-09 [MW-3s]</b>									
Matrix Spike	0.0282	0.320	<b>0.342</b>	mg/L	98	68-131		20	0.020
Matrix Spike Duplicate	0.0282	0.320	<b>0.365</b>	mg/L	105	68-131	7	20	0.020

QC Batch: 1104418 (General Inorganic Prep)						Analyzed: 05/12/2011 By: CLD			
Method Blank			<0.020	mg/L					0.020
Laboratory Control Sample		0.320	<b>0.325</b>	mg/L	102	80-120		20	0.020

Continued on next page

**QUALITY CONTROL REPORT**
**Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Iron, Ferrous/SM 3500-Fe B 20th (Continued)**

QC Batch: 1104418 (Continued) (General Inorganic Prep) Analyzed: 05/12/2011 By: CLD

**1105201-06 [MW-17s]**

Matrix Spike	0.0623	0.320	<b>0.387</b>	mg/L	101	68-131		20	0.020
Matrix Spike Duplicate	0.0623	0.320	<b>0.388</b>	mg/L	102	68-131	0.2	20	0.020

**Analyte: Nitrogen, Nitrate/SM 4500-NO3 F 20th**

QC Batch: 1104539 (General Inorganic Prep) Analyzed: 05/10/2011 By: CKD

Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	<b>0.536</b>	mg/L	107	90-110		20	0.050

**1105136-06 [MW-27s]**

Matrix Spike	2.88	5.00	<b>7.91</b>	mg/L	101	90-110		20	0.50
Matrix Spike Duplicate	2.88	5.00	<b>8.04</b>	mg/L	103	90-110	2	20	0.50

QC Batch: 1104547 (General Inorganic Prep) Analyzed: 05/11/2011 By: CKD

Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	<b>0.502</b>	mg/L	100	90-110		20	0.050

**1105170-01 [MW-19d]**

Matrix Spike	0.00520	0.500	<b>0.496</b>	mg/L	98	90-110		20	0.050
Matrix Spike Duplicate	0.00520	0.500	<b>0.507</b>	mg/L	100	90-110	2	20	0.050

QC Batch: 1104551 (General Inorganic Prep) Analyzed: 05/12/2011 By: CKD

Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	<b>0.497</b>	mg/L	99	90-110		20	0.050

**1105201-01 [MW-4s]**

Matrix Spike	0.172	0.500	<b>0.678</b>	mg/L	101	90-110		20	0.050
Matrix Spike Duplicate	0.172	0.500	<b>0.667</b>	mg/L	99	90-110	2	20	0.050

**Analyte: Sulfate/ASTM D516-90 (02)**

QC Batch: 1104670 (General Inorganic Prep) Analyzed: 05/18/2011 By: LMA

Method Blank			<1.0	mg/L					1.0
Laboratory Control Sample		20.0	<b>19.5</b>	mg/L	97	88-116		20	1.0
Matrix Spike	48.2	20.0	<b>64.7</b>	mg/L	83	55-151		20	2.0

Continued on next page

**QUALITY CONTROL REPORT**
**Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Sulfate/ASTM D516-90 (02) (Continued)**

QC Batch: 1104670 (Continued) (General Inorganic Prep) Analyzed: 05/18/2011 By: LMA

**1105136-06 [MW-27s]**

Matrix Spike Duplicate	48.2	20.0	<b>64.6</b>	mg/L	82	55-151	0.1	20	2.0
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QC Batch: 1104782 (General Inorganic Prep) Analyzed: 05/20/2011 By: LMA

Method Blank			<1.0	mg/L					1.0
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Laboratory Control Sample		20.0	<b>19.1</b>	mg/L	96	88-116		20	2.0
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QC Batch: 1104783 (General Inorganic Prep) Analyzed: 05/20/2011 By: LMA

Method Blank			<1.0	mg/L					1.0
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Laboratory Control Sample		20.0	<b>19.9</b>	mg/L	99	88-116		20	1.0
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**1105170-01 [MW-19d]**

Matrix Spike	61.4	20.0	<b>82.2</b>	mg/L	104	55-151		20	5.0
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Matrix Spike Duplicate	61.4	20.0	<b>80.7</b>	mg/L	97	55-151	2	20	5.0
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## STATEMENT OF DATA QUALIFICATIONS

### Physical/Chemical Parameters by EPA/APHA/ASTM Methods

**Qualification:** Ferrous iron is unstable and easily changes to the ferric form in solutions in contact with air. Determination should be done in the field at the time of collection. Because analysis was performed in the lab, the reported value may not be representative.

Analysis: SM 3500-Fe B 20th

Sample/Analyte:	1105136-01 MW-24s	Iron, Ferrous
	1105136-02 MW-24d	Iron, Ferrous
	1105136-03 MW-10s	Iron, Ferrous
	1105136-04 Dup-01	Iron, Ferrous
	1105136-05 MW-14d	Iron, Ferrous
	1105136-06 MW-27s	Iron, Ferrous
	1105136-07 MW-27d	Iron, Ferrous
	1105136-08 MW-18s	Iron, Ferrous
	1105170-01 MW-19d	Iron, Ferrous
	1105170-02 MW-19s	Iron, Ferrous
	1105170-03 Dup-02	Iron, Ferrous
	1105170-04 MW-6s	Iron, Ferrous
	1105170-05 MW-23	Iron, Ferrous
	1105170-06 MW-33s	Iron, Ferrous
	1105170-07 MW-32s	Iron, Ferrous
	1105170-08 MW-34s	Iron, Ferrous
	1105170-09 MW-3s	Iron, Ferrous
	1105201-01 MW-4s	Iron, Ferrous
	1105201-02 MW-1s	Iron, Ferrous
	1105201-03 MW-9s	Iron, Ferrous
	1105201-04 Dup-03	Iron, Ferrous
	1105201-05 MW-21	Iron, Ferrous
	1105201-06 MW-17s	Iron, Ferrous





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.

**138587**

Analyses Requested

Pg. 1 of 1

← PRESERVATIVES

- A NONE pH=7
- B HNO<sub>3</sub> pH<2
- C H<sub>2</sub>SO<sub>4</sub> pH<2
- D 1+1 HCl pH<2
- E NaOH pH>12
- F ZnAc<sub>2</sub>/NaOH pH>9
- G MeOH
- H Other (note below)

Container Type (corresponds to Container Packing List)
Iron II chloride nitrate sulfate

Client Name: **RMT Inc**  
 Project Name: **T.P.C.**  
 Client Project No. / P.O. No.:  
 Invoice To:  Client  Other (comments)  
 Contact/Report To: **Stacy Metz**

Address: **3754 Randew Drive**  
 City, State Zip: **Ann Arbor MI 48108**  
 Phone/Fax: **734-971 7080 734-971 9081**  
 Email:

For Lab Use Only  
 Cart: **8**  
 VOA Rack/Tray  
 Receipt Log No.: **5-1**  
 Project Chemist  
 Work Order No.: **1105136**

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooker ID	Sample Date	Sample Time	Matrix	Number of Containers Submitted	Total	Sample Comments
06	01	01	MW-244	0934	5/9/11	0850	16u	1	2	
	02	02	MW-241D			0940	16u	1	2	
	03	03	MW-103			1043	16u	1	2	
	04	04	Dupel			1214	16u	1	2	
	05	05	MW-14D			1353	16u	1	2	
	07	06	MW-275			1353	16u	1	2	
	07	06	MW-275 (MSDMSD)			1353	16u	1	2	
	06	07	MW-27D			1446	16u	1	2	
	06	08	MW-18c			1606	16u	1	2	

Sampled By (print): **JAVIER TASSC**  
 Sampler's Signature: *Javier Tassc*  
 Company: **RMT Inc**  
 How Shipped?  Hand  Carrier  
 Tracking No.:  
 Requisitioned By: *Shan* Date: *5/9/11* Time: *1715*  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Requisitioned By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received for Lab by: *Stacy Metz* Date: *5/9/11* Time: *0700*

WHITE COPY - REPORT

YELLOW COPY - LABORATORY

PINK COPY - FIELD

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client: <u>RMT Inc</u>	Work Order #: <u>1105136</u>
Receipt Record Page/Line #: <u>5-1</u>	Project Chemist: _____ Sample #: _____

Recorded by (Initials/date): <u>LR 5/10/11</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other _____	Qty Received: <u>1</u>	<input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> See Additional Cooler Information Form <input type="checkbox"/> Other (# _____)
---	--	---------------------------	---

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>—</u>	<u>0727</u>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: Dispersed / <u>Top</u> / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	
Temp Blank: _____	<u>—</u>	<u>4.8</u>	Temp Blank: _____			Temp Blank: _____		
TB location: Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<u>4.4</u>	<u>—</u>	1			1		
2	<u>4.3</u>	<u>—</u>	2			2		
3	<u>3.6</u>	<u>—</u>	3			3		
Average °C			Average °C			Average °C		
<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?		
<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?		

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

<b>Paperwork Received</b> <input type="checkbox"/> No COC Received <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Chain of Custody record(s)? If No, COC Initiated By _____</li> <li><input checked="" type="checkbox"/> Rec'd for Lab Signed/Date/Time?</li> <li><input checked="" type="checkbox"/> Shipping document?</li> <li><input type="checkbox"/> Other _____</li> </ul> COC ID #s <input checked="" type="checkbox"/> TriMatrix <u>138587</u> <input type="checkbox"/> Other (Name or ID#) _____	N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Check Sample Preservation</b> <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Average sample temperature ≤6° C?</li> <li><input checked="" type="checkbox"/> Completed Sample Preservation Verification Form?</li> <li><input checked="" type="checkbox"/> Samples preserved correctly? if "No", added orange tag?</li> <li><input type="checkbox"/> Received pre-preserved VOC soils? <input type="checkbox"/> MeOH <input type="checkbox"/> Na<sub>2</sub>SO<sub>4</sub></li> </ul> <b>Check for Short Hold-Time Prep/Analyses</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Bacteriological</li> <li><input type="checkbox"/> Air Bags</li> <li><input type="checkbox"/> EnCores / Methanol Pre-Preserved</li> <li><input type="checkbox"/> Formaldehyde/Aldehyde</li> <li><input checked="" type="checkbox"/> Green-tagged containers</li> <li><input type="checkbox"/> Yellow/White-tagged 1L ambers (SV Prep-Lab)</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <b>AFTER HOURS ONLY:</b>            COPIES OF COC TO LAB AREA(S)  <input type="checkbox"/> NONE RECEIVED  <input checked="" type="checkbox"/> RECEIVED, COCs TO LAB(S)         </div>	N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
N/A	Yes	No															
	<input checked="" type="checkbox"/>	<input type="checkbox"/>															
N/A	Yes	No															
	<input checked="" type="checkbox"/>	<input type="checkbox"/>															
<b>Check COC for Accuracy</b> <input type="checkbox"/> No analysis requested <table style="width: 100%;"> <tr> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Sample ID matches COC?</li> <li><input checked="" type="checkbox"/> Sample Date and Time matches COC?</li> <li><input checked="" type="checkbox"/> Container type completed on COC?</li> <li><input checked="" type="checkbox"/> All container types indicated are received?</li> </ul> <b>Sample Condition Summary</b> <input type="checkbox"/> Non-TriMatrix containers, see Notes <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Broken containers/lids?</li> <li><input checked="" type="checkbox"/> Missing or incomplete labels?</li> <li><input checked="" type="checkbox"/> Illegible information on labels?</li> <li><input checked="" type="checkbox"/> Low volume received?</li> <li><input checked="" type="checkbox"/> Inappropriate containers received?</li> <li><input type="checkbox"/> VOC vials / TOX containers have headspace?</li> <li><input type="checkbox"/> Extra sample locations / containers not listed on COC?</li> </ul>	Yes	No	<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Notes</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trip Blank received <input type="checkbox"/> Trip Blank not listed on COC</li> <li><input type="checkbox"/> No COC received, Proj. Chemist reviewed (Init/Date) _____</li> <li><input type="checkbox"/> No analysis requested, Proj. Chemist completed (Init/Date) _____</li> </ul> <table style="width: 100%; border-top: 1px solid black;"> <tr> <td style="width: 33%;">Cooler Received (Date/Time)</td> <td style="width: 33%;">Paperwork Delivered (Date/Time)</td> <td style="width: 33%;">≤1 Hour Goal Met?</td> </tr> <tr> <td><u>5/10/11 0700</u></td> <td><u>5/10/11 0739</u></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </table>	Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?	<u>5/10/11 0700</u>	<u>5/10/11 0739</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Yes	No																
<input checked="" type="checkbox"/>	<input type="checkbox"/>																
N/A	Yes	No															
	<input checked="" type="checkbox"/>	<input type="checkbox"/>															
Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?															
<u>5/10/11 0700</u>	<u>5/10/11 0739</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

Client <u>RMT INC</u>	Work Order # <u>1105136</u>
Receipt Log # <u>5-1</u>	Project Chemist _____
Completed By (initials/date) <u>UC 5/10/11</u>	

COC ID # <u>138587</u>				Adjusted by: _____ Date: _____				DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5	4	13	<u>24</u> <u>white</u>	3	6	15				
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe				
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		None	HNO <sub>3</sub>	HNO <sub>3</sub>				
Expected pH	>12	<2	<2	<2	6-8	<2	<2				
COC Line #1				✓	✓						
COC Line #2				✓	✓						
COC Line #3				✓	✓						
COC Line #4				✓	✓						
COC Line #5				✓	✓						
COC Line #6				✓	✓						
COC Line #7				✓	✓						
COC Line #8				✓	✓						
COC Line #9				✓	✓						
COC Line #10											
Comments											

Ph Strip Lot #
<input checked="" type="checkbox"/> <b>HC003104</b>
<input type="checkbox"/> _____

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

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

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



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Grand Rapids, MI 49512  
Phone (616) 975-4500 Fax (616) 942-7463  
www.trimatrixlabs.com

### Chain of Custody Record

COC No. **138590**

Analyses Requested

Pg. 1 of 1

- PRESERVATIVES
- A NONE pH=7
  - B HNO<sub>3</sub> pH<2
  - C H<sub>2</sub>SO<sub>4</sub> pH<2
  - D 1+1 HCl pH<2
  - E NaOH pH>12
  - F ZnAc<sub>2</sub>/NaOH pH>9
  - G MeOH
  - H Other (note below)

**For Lab Use Only**

Cart 6

VOA Rack/Tray

Receipt Log No. 7-1

Project Chemist

Work Order No. 1105170

Client Name RM-ITL

Address 3754 Parklens Dr

City/State/Zip Ann Arbor MI 48106

Phone/Fax

Email

Project Name T.P.C.

Client Project No. / P.O. No.

Invoice To  Client  Other (comments)

Contact/Report To Stacy Matz

Container Type (corresponds to Container Packing List)

Iron II Chloride Nitrate Sulfate

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	C	M	P	S	A	B	Matrix	Number of Containers Submitted	Total	Sample Comments
		01	MW 191D		5/11/11	0830	X	X					+	+	2	
		02	MW-191		5/11/11	0935	X	X					+	+	2	
		03	Dup. 02				X	X					+	+	2	
		04	MW-65				X	X					+	+	2	
		05	MW-23				X	X					+	+	2	
		06	MW 33s				X	X					+	+	2	
		07	MW 32s				X	X					+	+	2	
		08	MW-34s				X	X					+	+	2	
		09	MW 35				X	X					+	+	2	
		10														

Sampled By (print) Javier Jasso

Sampler Signature Jasso

Company AMT Inc

How Shipped? Car

Tracking No.

1. Requisitioned By Jasso Date 5/11/11 Time 18:10

2. Received By

3. Requisitioned By

4. Received By Stacy Matz Date 5/11/11 Time 09:00

Comments

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client <u>RMT Inc</u>	Work Order #: <u>1105170</u>
Receipt Record Page/Line # <u>7-1</u>	Project Chemist / Sample #s

Recorded by (Initials/date) <u>LR 5/11/11</u>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other	Qty Received <u>1</u>	<input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (# _____)	<input type="checkbox"/> See Additional Cooler Information Form
--	--	--------------------------	---	---

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<u>0934</u>	<u>0715</u>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: Dispersed / <input checked="" type="checkbox"/> Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			Temp Blank:			Temp Blank:		
TB location: Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<u>9.3</u>	<u>-</u>	Actual	<u>9.3</u>		1		
2	<u>9.3</u>	<u>-</u>	Actual	<u>9.3</u>		2		
3	<u>9.3</u>	<u>-</u>	Actual	<u>9.3</u>		3		
Average °C			Average °C			Average °C		
<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?		
<input checked="" type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?		

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

<b>Paperwork Received</b> <input type="checkbox"/> No COC Received <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><input type="checkbox"/> Chain of Custody record(s)? If No, COC Initiated By _____</p> <p><input type="checkbox"/> Rec'd for Lab Signed/Date/Time?</p> <p><input type="checkbox"/> Shipping document?</p> <p><input type="checkbox"/> Other _____</p> <p>COC ID #s <input checked="" type="checkbox"/> TriMatrix <u>138589, 138588, 138590</u></p> <p><input type="checkbox"/> Other (Name or ID#) _____</p>	N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Check Sample Preservation</b> <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><input checked="" type="checkbox"/> Average sample temperature <math>\leq 6^{\circ}</math> C?</p> <p><input type="checkbox"/> Completed Sample Preservation Verification Form?</p> <p><input checked="" type="checkbox"/> Samples preserved correctly?</p> <p>If "No", added orange tag?</p> <p>Received pre-preserved VOC soils?  <input type="checkbox"/> MeOH    <input type="checkbox"/> Na<sub>2</sub>SO<sub>4</sub></p>	N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>
N/A	Yes	No											
	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
N/A	Yes	No											
	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
<b>Check COC for Accuracy</b> <input type="checkbox"/> No analysis requested <table style="width: 100%;"> <tr> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><input checked="" type="checkbox"/> Sample ID matches COC?</p> <p><input checked="" type="checkbox"/> Sample Date and Time matches COC?</p> <p><input checked="" type="checkbox"/> Container type completed on COC?</p> <p><input checked="" type="checkbox"/> All container types indicated are received?</p>	Yes	No	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Check for Short Hold-Time Prep/Analyses</b> <input type="checkbox"/> Bacteriological <input type="checkbox"/> Air Bags <input type="checkbox"/> EnCores / Methanol Pre-Preserved <input type="checkbox"/> Formaldehyde/Aldehyde <input checked="" type="checkbox"/> Green-tagged containers <input type="checkbox"/> Yellow/White-tagged 1L ambers (SV Prep-Lab) <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p style="text-align: center; margin: 0;"><b>AFTER HOURS ONLY:</b></p> <p style="text-align: center; margin: 0;">COPIES OF COC TO LAB AREA(S)</p> <p style="text-align: center; margin: 0;"><input type="checkbox"/> NONE RECEIVED</p> <p style="text-align: center; margin: 0;"><input checked="" type="checkbox"/> RECEIVED, COCs TO LAB(S)</p> </div>								
Yes	No												
<input checked="" type="checkbox"/>	<input type="checkbox"/>												
<b>Sample Condition Summary</b> <input type="checkbox"/> Non-TriMatrix containers, see Notes <table style="width: 100%;"> <tr> <td style="width: 33%;">N/A</td> <td style="width: 33%;">Yes</td> <td style="width: 33%;">No</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <p><input checked="" type="checkbox"/> Broken containers/lids?</p> <p><input checked="" type="checkbox"/> Missing or incomplete labels?</p> <p><input checked="" type="checkbox"/> Illegible information on labels?</p> <p><input checked="" type="checkbox"/> Low volume received?</p> <p><input checked="" type="checkbox"/> Inappropriate containers received?</p> <p><input type="checkbox"/> VOC vials / TOX containers have headspace?</p> <p><input checked="" type="checkbox"/> Extra sample locations / containers not listed on COC?</p>		N/A	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Notes</b> <input checked="" type="checkbox"/> Trip Blank received <input type="checkbox"/> Trip Blank not listed on COC <input type="checkbox"/> No COC received, Proj. Chemist reviewed (Init/Date) _____ <input type="checkbox"/> No analysis requested, Proj. Chemist completed (Init/Date) _____					
N/A	Yes	No											
	<input checked="" type="checkbox"/>	<input type="checkbox"/>											
Cooler Received (Date/Time):		Paperwork Delivered (Date/Time):	≤ 1 Hour Goal Met?										
			Yes / No										

Client <i>RMT Inc</i>	Work Order # <i>1105170</i>
Receipt Log # <i>7-1</i>	Completed By (initials/date) <i>LR 5/11/11</i>
Project Chemist	

COC ID #				Adjusted by: _____	DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
				Date: _____				
Container Type	5	4	13	<i>24</i>	3	6	15	
Tag Color	Lt. Blue	Blue	Brown	<i>White</i>	Green	Red	Red Stripe	
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		None	HNO <sub>3</sub>	HNO <sub>3</sub>	
Expected pH	<i>&gt;12</i>	<i>&lt;2</i>	<i>&lt;2</i>	<i>&lt;2</i>	<b>6-8</b>	<b>&lt;2</b>	<b>&lt;2</b>	
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								

Ph Strip Lot #
<input checked="" type="checkbox"/> <b>HC003104</b>
<input type="checkbox"/>

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

Comments

COC ID #				Adjusted by: _____	DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
				Date: _____				
Container Type	5	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		None	HNO <sub>3</sub>	HNO <sub>3</sub>	
Expected pH	<i>&gt;12</i>	<i>&lt;2</i>	<i>&lt;2</i>		<i>-7</i>	<i>&lt;2</i>	<i>&lt;2</i>	
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								

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

Comments



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. **138592**

Analyses Requested

Pg. 1 of 1

For Lab Use Only

Cart 13

VQA Rack/Tray 1

Receipt Log No. 9-5

Project Chemist

Work Order No. 1105201

Client Name PMT Inc

Address 3754 Parkview Dr

City, State Zip Ann Arbor MI 48106

Phone/Fax 734 971 7050 734 971 9003

Email

Project Name T.P.R.C.

Client Project No. / P.O. No.

Invoice To  Client  Other (comments)

Contact/Report To Stacy Metz

Container Type (corresponds to Container Packing List)	Number of Containers Submitted
Iron II Chloride Nitrate Sulfate	2
	2
	2
	2
	2
	2
	2
	2
	2
	2

- PRESERVATIVES
- A NONE pH<7
  - B HNO<sub>3</sub> pH<2
  - C H<sub>2</sub>SO<sub>4</sub> pH<2
  - D 1+1 HCl pH<2
  - E NaOH pH>12
  - F ZnAc/NaOH pH>9
  - G MeOH
  - H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	C	D	E	F	G	H	Total	Sample Comments
							M	P	A	B				
		01	Mw-4s		5/11/11	0745	+	+	+	+	+	+	2	
		02	Mw 1s			0840	+	+	+	+	+	+	2	
		03	Mw 9s			1038	+	+	+	+	+	+	2	
		04	Duo-03			—	+	+	+	+	+	+	2	
		05	Mw 210			1134	+	+	+	+	+	+	2	
		06	Mw-17s			1536	+	+	+	+	+	+	2	
		07												
		08												
		09												
		10												

Sampled By (print) JAVIS JAVIS

Sampler Signature Javis

Company PM T Inc

How Shipped? Hand  Carrier

Tracking No.

1. Requisitioned By Javis Date 5/11/11 Time 1:00

2. Received By Javis Date 5/11/11 Time 1:00

3. Requisitioned By Javis Date 5/11/11 Time 09:00

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client <i>RMT INC</i>	Work Order #: <i>1105201</i>
Receipt Record Page/Line # <i>9-5</i>	New / Add To Project Chemist Sample #

Recorded by (initials/date) <i>LR 5/12/11</i>	<input checked="" type="checkbox"/> Cooler	Qty Received <i>1</i>	<input checked="" type="checkbox"/> IR Gun (#202)	<input type="checkbox"/> See Additional Cooler Information Form
	<input type="checkbox"/> Box		<input type="checkbox"/> Digital Thermometer (#54)	
	<input type="checkbox"/> Other		<input type="checkbox"/> Other (# _____)	

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time	
<i>0336</i>	<i>0934</i>							
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		
Coolant Location: Dispersed / <input checked="" type="checkbox"/> Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose ice / Avg 2-3 containers <input type="checkbox"/> Bagged ice / Avg 2-3 containers <input type="checkbox"/> Blue ice / Avg 2-3 containers <input type="checkbox"/> None / Avg 2-3 containers		
Alternate Temperature Taken Via: <input checked="" type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:	-	<i>4.3</i>	Temp Blank:			Temp Blank:		
TB location: Representative / Not Representative			TB location: Representative / Not Representative			TB location: Representative / Not Representative		
1	<i>5.6</i>	-	<i>5.6</i>			1		
2	<i>5.9</i>	-	<i>5.9</i>			2		
3	<i>6.2</i>	-	<i>6.2</i>			3		
Average °C			Average °C			Average °C		
<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?			<input type="checkbox"/> Cooler ID on COC?		
<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?			<input type="checkbox"/> VOC Trip Blank received?		

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

<p><b>Paperwork Received</b> <input type="checkbox"/> No COC Received</p> <table style="width: 100%;"> <tr> <td style="width: 10%;">N/A</td> <td style="width: 10%;">Yes</td> <td style="width: 10%;">No</td> <td></td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><b>Chain of Custody record(s)?</b></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>If No, COC Initiated By _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Rec'd for Lab Signed/Date/Time?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Shipping document?</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Other _____</td> </tr> </table> <p>COC ID #s <i>TriMatrix 138592</i></p> <p><input type="checkbox"/> Other (Name or ID#) _____</p> <p><b>Check COC for Accuracy</b> <input type="checkbox"/> No analysis requested</p> <table style="width: 100%;"> <tr> <td style="width: 10%;">Yes</td> <td style="width: 10%;">No</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sample ID matches COC?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Sample Date and Time matches COC?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Container type completed on COC?</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>All container types indicated are received?</td> </tr> </table> <p><b>Sample Condition Summary</b> <input type="checkbox"/> Non-TriMatrix containers, see Notes</p> <table style="width: 100%;"> <tr> <td style="width: 10%;">N/A</td> <td style="width: 10%;">Yes</td> <td style="width: 10%;">No</td> <td></td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Broken containers/lids?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Missing or incomplete labels?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Illegible information on labels?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Low volume received?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Inappropriate containers received?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>VOC vials / TOX containers have headspace?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Extra sample locations / containers not listed on COC?</td> </tr> </table>	N/A	Yes	No			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Chain of Custody record(s)?</b>		<input type="checkbox"/>	<input type="checkbox"/>	If No, COC Initiated By _____		<input type="checkbox"/>	<input type="checkbox"/>	Rec'd for Lab Signed/Date/Time?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shipping document?		<input type="checkbox"/>	<input type="checkbox"/>	Other _____	Yes	No		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID matches COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample Date and Time matches COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Container type completed on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All container types indicated are received?	N/A	Yes	No			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Broken containers/lids?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Missing or incomplete labels?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Illegible information on labels?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low volume received?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Inappropriate containers received?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	VOC vials / TOX containers have headspace?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Extra sample locations / containers not listed on COC?	<p><b>Check Sample Preservation</b></p> <table style="width: 100%;"> <tr> <td style="width: 10%;">N/A</td> <td style="width: 10%;">Yes</td> <td style="width: 10%;">No</td> <td></td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Average sample temperature ≤6° C?</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Completed Sample Preservation Verification Form?</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>Samples preserved correctly?</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>If "No", added orange tag?</td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Received pre-preserved VOC soils?</td> </tr> <tr> <td></td> <td></td> <td><input type="checkbox"/> MeOH <input type="checkbox"/> Na<sub>2</sub>SO<sub>4</sub></td> <td></td> </tr> </table> <p><b>Check for Short Hold-Time Prep/Analyses</b></p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Bacteriological</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Air Bags</td> <td></td> </tr> <tr> <td><input type="checkbox"/> EnCores / Methanol Pre-Preserved</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Formaldehyde/Aldehyde</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> Green-tagged containers</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Yellow/White-tagged 1L ambers (SV Prep-Lab)</td> <td></td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center; margin: 0;"><b>AFTER HOURS ONLY:</b></p> <p style="text-align: center; margin: 0;">COPIES OF COC TO LAB AREA(S)</p> <p style="margin: 0;"><input type="checkbox"/> NONE RECEIVED</p> <p style="margin: 0;"><input checked="" type="checkbox"/> RECEIVED, COCs TO LAB(S)</p> </div> <p><b>Notes</b></p> <p><input type="checkbox"/> Trip Blank received <input type="checkbox"/> Trip Blank not listed on COC</p> <p><input type="checkbox"/> No COC received, Proj. Chemist reviewed (Init/Date) _____</p> <p><input type="checkbox"/> No analysis requested, Proj. Chemist completed (Init/Date) _____</p> <table style="width: 100%; border-top: 1px solid black;"> <tr> <td style="width: 33%;">Cooler Received (Date/Time)</td> <td style="width: 33%;">Paperwork Delivered (Date/Time)</td> <td style="width: 33%;">≤1 Hour Goal Met?</td> </tr> <tr> <td><i>5/12/11 0900</i></td> <td><i>5/12/11 0950</i></td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </table>	N/A	Yes	No			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Average sample temperature ≤6° C?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Completed Sample Preservation Verification Form?		<input type="checkbox"/>	<input checked="" type="checkbox"/>	Samples preserved correctly?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	If "No", added orange tag?		<input type="checkbox"/>	<input type="checkbox"/>	Received pre-preserved VOC soils?			<input type="checkbox"/> MeOH <input type="checkbox"/> Na <sub>2</sub> SO <sub>4</sub>		<input type="checkbox"/> Bacteriological		<input type="checkbox"/> Air Bags		<input type="checkbox"/> EnCores / Methanol Pre-Preserved		<input type="checkbox"/> Formaldehyde/Aldehyde		<input checked="" type="checkbox"/> Green-tagged containers		<input type="checkbox"/> Yellow/White-tagged 1L ambers (SV Prep-Lab)		Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?	<i>5/12/11 0900</i>	<i>5/12/11 0950</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Client: <b>RMT Inc</b>	Work Order #: <b>1105201</b>
Receipt Log #: <b>9-5</b>	Completed By (initials/date): <b>LA 5/12/11</b>
Project Chemist: _____	

CQC ID #: <b>13P592</b>				Adjusted by: _____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Date: _____									
Container Type	5	4	13	23	3	6	15		
Tag Color	Lt. Blue	Blue	Brown	<b>White</b>	Green	Red	Red Stripe		
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		None	HNO <sub>3</sub>	HNO <sub>3</sub>		
Expected pH	<b>&gt;12</b>	<b>&lt;2</b>	<b>&lt;2</b>	<b>&lt;2</b>	<b>6-8</b>	<b>&lt;2</b>	<b>&lt;2</b>		
CQC Line #1				✓	✓				
CQC Line #2				✓	✓				
CQC Line #3				✓	✓				
CQC Line #4				✓	✓				
CQC Line #5				✓	✓				
CQC Line #6				✓	✓				
CQC Line #7									
CQC Line #8									
CQC Line #9									
CQC Line #10									

Ph Strip Lot #
<input checked="" type="checkbox"/> <b>HC003104</b>
<input type="checkbox"/> _____

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

Comments

CQC ID #				Adjusted by: _____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Date: _____									
Container Type	5	4	13		3	6	15		
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe		
Preservative	NaOH	H <sub>2</sub> SO <sub>4</sub>	H <sub>2</sub> SO <sub>4</sub>		None	HNO <sub>3</sub>	HNO <sub>3</sub>		
Expected pH	<b>&gt;12</b>	<b>&lt;2</b>	<b>&lt;2</b>		<b>~7</b>	<b>&lt;2</b>	<b>&lt;2</b>		
CQC Line #1									
CQC Line #2									
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CQC Line #4									
CQC Line #5									
CQC Line #6									
CQC Line #7									
CQC Line #8									
CQC Line #9									
CQC Line #10									

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

Comments

# Attachment 2

## Data Validation Report

**Laboratory Data Validation**  
**Second Quarter 2011 Groundwater Sample Event**  
**Former Tecumseh Products Company Site**  
**Tecumseh, Michigan**

Forty-five water samples, including three field duplicates, were collected between May 9 and 13, 2011, in addition to four trip blanks and three equipment rinsate blanks. These samples were analyzed by Trimatrix Laboratories, located in Grand Rapids, Michigan. The samples were analyzed for volatile organic compounds by USEPA Method 8260 B following Tecumseh Products Quality Assurance Project Plan (QAPP) specified protocols. TRC performed a validation of the laboratory data. The following sections summarize the data validation procedure and the results of the validation.

### **Validation Procedure**

The analytical data were validated using the USEPA National Functional Guidelines for Organic Data Review (USEPA, 2008). The data validation included a review of the spike, duplicate, and blank results from the laboratory, as well as verification that the sample holding times were met. TRC reviewed additional QC information to check for appropriate matrix performance using the analytical methods specified by the laboratory. The procedures TRC used to evaluate data in general included the following items:

- Checked technical holding times for analyses and sample receipt temperature
- Reviewed data for blanks, matrix spikes, laboratory duplicates, and laboratory control samples
- Determined field precision from blind field duplicate data
- Assessed the usability of the data

The data validation report addresses the following items:

- Usability of the data if QC results suggest potential problems with all or some of the data
- Potential sample contamination due to blank contributions
- Actions regarding specific QC criteria exceedences

TRC reviewed internal standard areas and retention times, method blanks, project-specific and matrix spike and matrix spike duplicate (MS/MSD) recoveries, field and laboratory duplicate relative percent differences (RPDs), Laboratory Control Sample (LCS) recoveries, holding times, and temperature.

## Findings

The data quality objectives and laboratory completeness goals for the project were met, and the data are usable. The procedures specified in the methods were implemented, and the data packages were found to contain all of the deliverables necessary for validation of the analytical data. The discussion that follows describes the QA/QC results and evaluation.

- The laboratory met technical holding times for all samples. Samples were sent to the lab in three shipments. In one of the shipments, average sample temperature exceeded the recommended temperature range by less than one degree. Flags were not added. In the other two shipments, average temperature exceeded the recommended temperature range by approximately 3 degrees. Due to sample temperature, there is potential for VOC sample results for samples collected between May 9, 2001 and May 11, 2011 to be biased low. Reported detections have estimated concentrations. Assign “j” flags to detections from samples shipped collected between May 9, 2001 and May 11, 2011 (work orders 1105202 and 1105169). These samples include Dup-02, Dup-03, MW-19s, MW-1s, MW-21, MW-22, MW-23, MW-27s, MW-2s, MW-31, MW-32s, MW-33s, MW-34s, MW-3s, MW-4s, MW-6s, and MW-9s.
- Internal standard areas and retention times were reviewed and found to be within acceptable QC limits.
- The laboratory performed an LCS with each analytical batch. All results were within the laboratory control limits.
- Contaminants were not detected in the method blanks, trip blanks, or in the rinsate blanks.
- Three duplicate samples were collected. DUP-01 corresponded with sample MW-14d, DUP-02 corresponded with sample MW-19s, and DUP-03 corresponded with sample MW-21. No constituents were detected in DUP-01/MW-14d; therefore RPDs were not calculated from that data set. Calculated RPDs for the remaining samples were within QC limits.
- MS/MSD analyses were performed according to the standard of one per twenty samples in three batches. MS/MSD analyses were performed on samples MW-27s, MW-31, and MW-20s. Recoveries and RPDs were within QC limits for each MS/MSD.

Prepared by: Jennifer Meek

Reviewed by: Terry Hertz

# Appendix C

## Technical Memorandum

**Date:** May 13, 2011

**To:** Jason Smith, Tecumseh Products Company

**cc:** Douglas McClure, Colin, McKenney & Philbrick, PC

**From:** Graham Crockford/Stacy Metz

**Project No.:** 02751.18

**Subject:** Summary of the Limited Aromatic Petroleum Hydrocarbon Investigation – April 2011 RCRA 3008(h) Consent Order (RCRA-05-2010-0012) - Tecumseh Products Company

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In February 2011, Tecumseh Products Company (TPC) retained RMT, Inc. (RMT) to conduct a design basis investigation to support permeable reactive barrier (PRB) evaluation and design at the former Tecumseh Products Site in Tecumseh, Michigan. The results of this investigation are summarized in a Technical Memorandum dated March 22, 2011. As noted in the March 22, 2011 Technical Memorandum, ethylbenzene, toluene and total xylenes were detected at boring location B-52 above Michigan Department of Environmental Quality (MDEQ) Part 201 generic drinking water and groundwater surface water interface criteria. These compounds, along with benzene are typically associated with gasoline spills/releases. Benzene was not detected in any of the samples suggesting that benzene may have been preferentially degraded subsequent to any release/spill. In April 2011, RMT conducted a limited investigation around the area of soil boring B-52, to determine whether the presence of petroleum aromatic hydrocarbons would affect PRB design or construction activities.

### Summary of Field Activities

On April 1, 2011, RMT conducted a Geoprobe® investigation to evaluate concentrations of petroleum hydrocarbons, i.e. toluene, ethylbenzene and total xylenes in the vicinity of soil boring B-52 located near the southeast corner of the site. Investigation activities included:

- Advancement of soil borings at ten on-site locations around soil boring B-52 (Figure 1) to 12 feet below ground surface (ft bgs) to evaluate site geology and depth to groundwater (Attachment 1);
- Collection of continuous soil samples at each soil boring location so that unsaturated soil could be screened with a 10.6 eV photoionization detector (PID);
- Collection of two soil samples at six soil boring locations for laboratory analysis (these six locations are located nearest the proposed trenched PRB);
- Collection of one grab groundwater sample over a five-foot screened interval each of the 10 boring locations; and
- Analysis of 12 soil samples and 10 groundwater samples for total benzene, toluene, ethylbenzene, and xylene (BTEX) compounds.

## Technical Memorandum

### Evaluation of Soil Chemistry Data

Soil chemistry data are summarized in Table 1. Laboratory analytical data are included in Attachment 2. Soil samples were analyzed for BTEX compounds in order to determine if a soil source of petroleum hydrocarbons was present in the vicinity of the proposed PRB. If BTEX compounds were present in soils above Part 201 criteria, soils could have required special handling and disposal during PRB construction activities. No VOCs were detected in the unsaturated soil using the PID. Consequently, no adjustments were made to the target sample depth based on field screening data. Two soil samples were collected at each of the following soil boring locations: B-58, B-59, B-60, B-61, B-62, and B-63. In general, one sample was collected from the shallow subsurface soil and a second sample was collected just above the saturated zone. As shown on Table 1, no BTEX compounds were detected in soil above Part 201 criteria. Therefore no special handling or disposal of excavated soils will be required during PRB construction activities.

### Evaluation of Groundwater Chemistry Data

Grab groundwater samples were collected at the water table at each of the ten boring locations. Groundwater chemistry data are summarized in Table 2. Laboratory analytical data are included in Attachment 2. Groundwater samples were analyzed for BTEX compounds in order to help determine the location of the source of aromatic hydrocarbons detected at soil boring B-52. BTEX compounds were detected above Part 201 criteria at all boring locations except B-62, located furthest north.

The source of the hydrocarbon compounds in groundwater is not apparent, given the lack of detected concentrations in soil.

Although the PRB is not designed to treat petroleum hydrocarbons directly, aromatic hydrocarbon compounds are expected to act as an electron donor (degrading in the process) in the reactive environment created by the PRB. Consequently, the concentration of aromatic hydrocarbon compounds should decrease as groundwater migrates through the PRB.

### Data Quality Assurance

RMT collected 13 soil samples (12 sample locations with one duplicate) and 11 groundwater samples (10 sample locations with 1 duplicate) on April 1, 2011. These samples were analyzed by Trimatrix Laboratories, located in Grand Rapids, Michigan for BTEX compounds by USEPA Method 8260B following protocols specified in the Quality Assurance Project Plan (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 the limited BTEX investigation conducted on April 1, 2011. A brief summary of key investigation findings are provided below:

- No BTEX compounds were detected in soil above Part 201 criteria.
- The detected hydrocarbon compounds are expected to act as electron donors (degrading in the process) in the reactive environment created by the PRB.

## Technical Memorandum

- BTEX compounds have not been detected at off-site monitoring locations. Therefore no further action is proposed to address these localized detections of aromatic petroleum hydrocarbons.



# Technical Memorandum

## Tables

**Table 1**  
**Summary of Limited Aromatic Petroleum Hydrocarbon Investigation Results in Soil**  
**Former Tecumseh Products Company Site**  
**Tecumseh, Michigan**  
**April 2011**

Analyte		Benzene <sup>(2)</sup>	Ethylbenzene <sup>(2)</sup>	Toluene <sup>(2)</sup>	Total Xylenes <sup>(2)</sup>
DW Protection Criteria		0.10	1.5	16	5.6
GSI Protection Criteria		4.0 <sup>(1)</sup>	0.36	5.4	0.82
GC Protection Criteria		220	140	250	150
Residential DC Criteria		180	140	250	150
Non-Residential DC Criteria		400	140	250	150
Units		mg/kg	mg/kg	mg/kg	mg/kg

B-58 (3-4')	4/1/2011	<0.059	<0.059	<0.059	<0.18
DUP-01 [B-58 (3-4')]	4/1/2011	<0.060	<0.060	<0.060	<0.18
B-58 (6-7')	4/1/2011	<0.055	<0.055	<0.055	<0.17
B-59 (3-4')	4/1/2011	<0.057	<0.057	<0.057	<0.17
B-59 (6-7')	4/1/2011	<0.055	<0.055	<0.055	<0.16
B-60 (3-4')	4/1/2011	<0.057	<0.057	<0.057	<0.17
B-60 (6-7')	4/1/2011	<0.054	<0.054	<0.054	<0.16
B-61 (3-4')	4/1/2011	<0.056	<0.056	<0.056	<0.17
B-61 (6-7')	4/1/2011	<0.049	<0.049	<b>0.18</b>	<b>0.43</b>
B-62 (1-2')	4/1/2011	<0.049	<0.049	<b>0.14</b>	<0.15
B-62 (3-4')	4/1/2011	<0.055	<0.055	<0.055	<0.16
B-63 (3-4')	4/1/2011	<0.051	<0.051	<0.051	<0.15
B-63 (6-7')	4/1/2011	<0.054	<0.054	<0.054	<0.16

**Notes:**

Residential and Non-Residential Drinking Water (DW) Protection Criteria, Groundwater Surface Water Interface (GSI) Protection Criteria, Groundwater Contact (GC) Protection Criteria, and Direct Contact (DC) Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.

mg/kg = milligrams per kilogram

**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**  
 Summary of Limited Aromatic Petroleum Hydrocarbon Investigation Results in Groundwater  
 Former Tecumseh Products Company Site  
 Tecumseh, Michigan  
 April 2011

Analyte	Benzene <sup>(2)</sup>	Ethylbenzene <sup>(2)</sup>	Toluene <sup>(2)</sup>	Total Xylenes <sup>(2)</sup>
Aesthetic DW Criteria	NC	74	790	280
Health-Based DW Criteria	5.0	700	1,000	10,000
GSI Criteria	200 <sup>(1)</sup>	18	270	41
Groundwater Contact Criteria	11,000	170,000	530,000	190,000
Units	ug/L	ug/L	ug/L	ug/L

B-58 (7-12')	4/1/2011	<10	<b>620</b>	<b>16</b>	<b>5,300</b>
B-59 (7-12')	4/1/2011	<250	<b>2,500</b>	<b>41,000</b>	<b>24,000</b>
B-60 (7-12')	4/1/2011	<500	<b>4,700</b>	<b>55,000</b>	<b>48,000</b>
B-61 (7-12')	4/1/2011	<500	<b>5,200</b>	<b>61,000</b>	<b>41,000</b>
B-62 (7-12')	4/1/2011	<1.0	<b>1.4</b>	<1.0	<3.0
B-63 (7-12')	4/1/2011	<200	<b>3,800</b>	<b>21,000</b>	<b>30,000</b>
B-63 (DUP-01)	4/1/2011	<200	<b>3,800</b>	<b>21,000</b>	<b>31,000</b>
B-64 (7-12')	4/1/2011	<250	<b>9,300</b>	<b>18,000</b>	<b>59,000</b>
B-65 (7-12')	4/1/2011	<50	<b>3,200</b>	<b>90</b>	<b>23,000</b>
B-66 (7-12')	4/1/2011	<50	<b>2,500</b>	<50	<b>28,000</b>
B-67 (7-12')	4/1/2011	<5.0	<b>140</b>	<5.0	<b>1,300</b>
Trip Blank	4/1/2011	<1.0	<1.0	<1.0	<3.0

**Notes:**

Residential and Non-Residential Drinking Water (DW) Criteria, Groundwater Surface Water Interface (GSI) Criteria, and Groundwater Contact Criteria from MDEQ RRD Op Memo 1 Part 201 Generic Cleanup Criteria/Part 213 Risk Based Cleanup Levels, January 23, 2006, as amended March 25, 2011.

ug/L = micrograms per liter

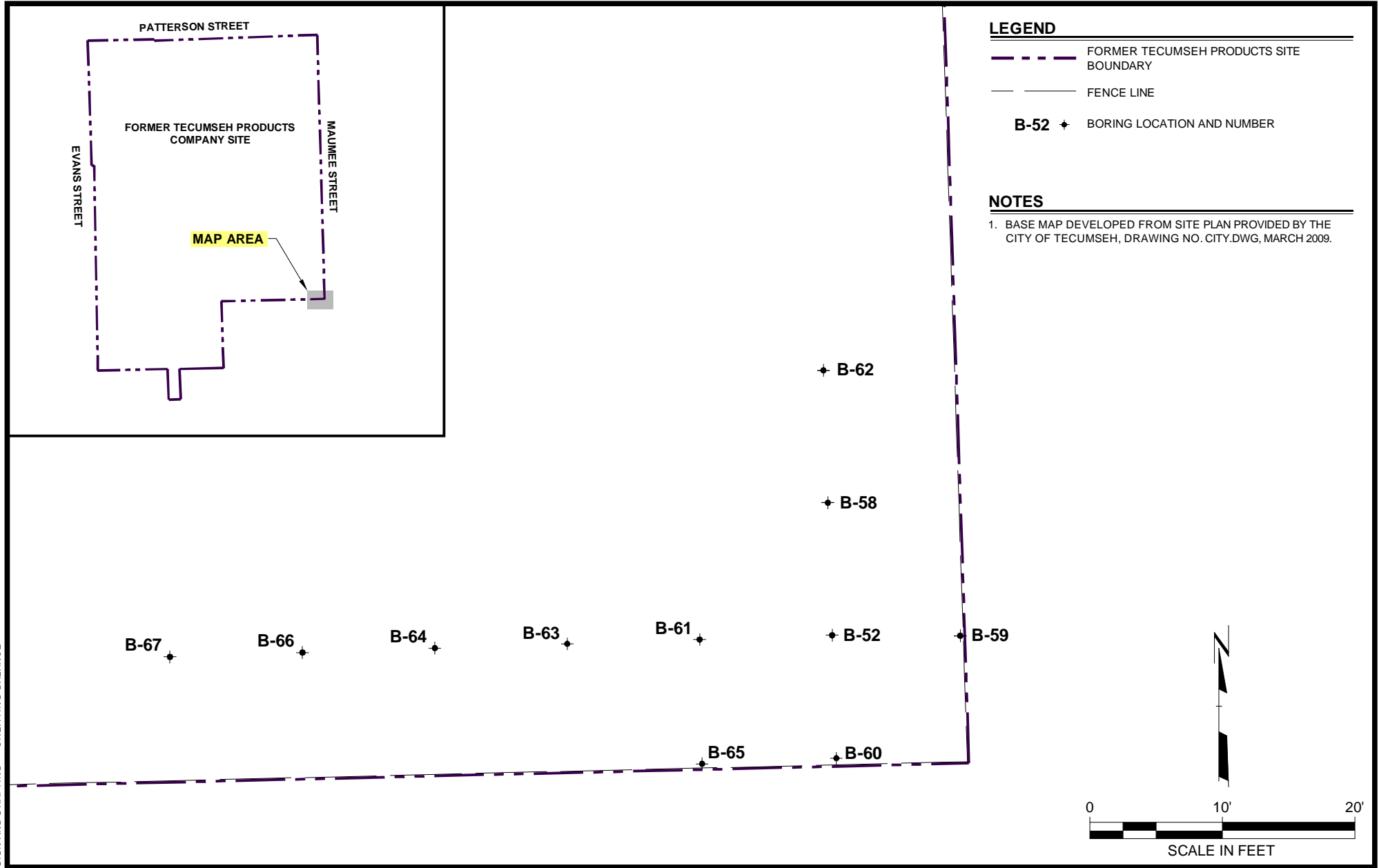
NC = No criteria

**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.

Figure



RMT COMPUTER AIDED DESIGN AND DRAFTING • CREATING BALANCE



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

PROJECT:	<b>FIGURE 1: FORMER TECUMSEH PRODUCTS SITE TECUMSEH, MICHIGAN</b>		DRAWN BY:	SJL
SHEET TITLE:	<b>AROMATIC PETROLEUM HYDROCARBON INVESTIGATION SAMPLE LOCATIONS</b>		APPROVED BY:	SEM
			PROJECT NO.	V:\CADD\AAM\02751\16
			FILE NO.	02751.16.25.dwg
			DATE:	April 2011

# Attachment 1

## Soil Boring Logs

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 10 feet west of eastern fence, 20 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <u><b>7</b></u> After Drilling: Date/Time _____ Depth (ft bgs) <u><b>NM</b></u>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
1 GP	80		2	<b>SILTY SAND</b> mostly fine to medium sand, some silt, trace lean clay, dark yellowish brown (10YR 3/4), no odor, damp, medium dense.	SM		0	Collected grab soil sample and DUP-01 from 3-4 ft bgs at 8:55 on 4/1/2011
2 GP	75		4	<b>CLAYEY SAND</b> mostly fine to coarse sand, little lean clay, little silt, slightly plastic, very dark grayish brown (10YR 3/2), no odor, damp to moist.	SC		0	Collected grab soil sample from 6-7 ft bgs at 9:03 on 4/1/2011
3 GP	80		8	<b>WELL GRADED SAND</b> mostly fine to coarse sand, few silt, trace clay, very dark grayish brown (10YR 3/2), no odor, saturated, loose.			0	Collected grab groundwater sample from 7-12 ft bgs at 11:03 on 4/1/2011
				Change to few gravel.	SW			
				Change to slight odor.				
			12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

Signature:	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By Stacy Metz

# RMT

## SOIL BORING LOG

**BORING NO. B-59**

Page 1 of 1

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>----</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>
Boring Location: <b>Along eastern perimeter of site, at eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <u><b>7</b></u> After Drilling: Date/Time _____ Depth (ft bgs) <u><b>NM</b></u>	

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
			2	<b>LEAN CLAY</b> mostly lean clay, little silt, few sand, plastic, dark yellowish brown (10YR 3/4), no odor, damp, medium stiff.			0	
			4	Same as above.	CL		0	Collected grab soil sample from 3-4 ft bgs at 9:16 on 4/1/2011
			6	Change to very dark grayish brown (10 YR 3/2).			0	Collected grab soil sample from 6-7 ft bgs at 9:23 on 4/1/2011
			7	<input checked="" type="checkbox"/> Change to saturated.			0	
			8	<b>SILTY SAND</b> mostly fine to coarse sand, little silt, trace gravel, very dark grayish brown (10YR 3/2), slight odor, saturated.	SM		0	Collected grab groundwater sample from 7-12 ft bgs at 13:16 on 4/1/2011
			10	<b>SILTY SAND WITH GRAVEL</b> mostly fine to coarse sand, little silt, little gravel, very dark grayish brown (10YR 3/2), slight odor, saturated.	SM			
			12	Change to strong odor. End of boring at 12.0 feet below ground surface.				





SOIL BORING WELL CONSTRUCTION LOG 8070.18, 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

Signature:	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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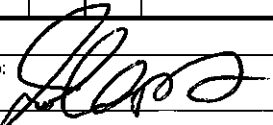
Checked By: Stacy Metz



Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) ---	TOC Elevation (ft) ---	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 10 feet west of eastern fence, at southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <u><b>7</b></u> After Drilling: Date/Time _____ Depth (ft bgs) <u><b>NM</b></u>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
				<b>LEAN CLAY</b> mostly lean clay, little silt, few sand, plastic, dark yellowish brown (10YR 3/4), no odor, damp, medium stiff.			0	Collected grab soil sample from 3-4 ft bgs at 9:44 on 4/1/2011
1 GP	80		2				0	
				Change to very dark grayish brown (10 YR 3/2).			0	
				<input checked="" type="checkbox"/> Change to saturated.			0	
				<b>WELL GRADED SAND</b> mostly fine to coarse sand, few silt, trace clay, very dark grayish brown (10YR 3/2), no odor, saturated, loose.	CL		0	Collected grab soil sample from 6-7 ft bgs at 9:54 on 4/1/2011
2 GP	75		6				0	
				Change to moderate odor.			0	
				<b>WELL GRADED SAND WITH GRAVEL</b> mostly fine to coarse sand, little gravel, few silt, trace clay, very dark grayish brown (10YR 3/2), moderate odor, saturated, loose.	SW		0	Collected grab groundwater sample from 7-12 ft bgs at 13:29 on 4/1/2011
3 GP	80		10				0	
				End of boring at 12.0 feet below ground surface.			0	
			12					

SOIL BORING WELL CONSTRUCTION LOG 8070-18 2011.GPJ RMT CORP.GDT 02751.18 6/24/11

Signature: 	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By: Stacy Metz



# SOIL BORING LOG

## BORING NO. B-61

Page 1 of 1

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 20 feet west of eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
			2	<b>LEAN CLAY</b> mostly lean clay, few fine to medium sand, trace silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.			0	
			4	Change to very dark grayish brown (10 YR 3/2).	CL		0	Collected grab soil sample from 3-4 ft bgs at 10:05 on 4/1/2011
			6	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, trace clay, very dark grayish brown (10YR 3/2), slight odor, damp to moist, loose.			0	Collected grab soil sample from 6-7 ft bgs at 10:09 on 4/1/2011
			8	▽ Change to saturated.			0	Collected grab groundwater sample from 7-12 ft bgs at 13:59 on 4/1/2011
			10	Change to few gravel, moderate to strong odor.	SW			
			12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070-18 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

Signature:	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By: Stacy Metz

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 10 feet west of eastern fence, 30 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	Collected grab soil sample from 1-2 ft bgs at 8:34 on 4/1/2011
1 GP	75		2	<b>SILTY SAND</b> mostly fine sand, some silt, trace clay, dark yellowish brown (10YR 3/4), no odor, damp to moist, medium dense.	SM		0	Collected grab soil sample from 3-4 ft bgs at 8:39 on 4/1/2011
			4	<b>WELL GRADED SAND</b> mostly fine to coarse sand, few silt, trace clay, very dark grayish brown (10YR 3/2), no odor, damp to moist, loose.			0	
			6				0	
			7	▽ Change to saturated.			0	
			8	Same as above.	SW		0	Collected grab groundwater sample from 7-12 ft bgs at 10:48 on 4/1/2011
			10				0	
			12	End of boring at 12.0 feet below ground surface.			0	

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

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Checked By: Stacy Metz

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>
Boring Location: <b>Along eastern perimeter of site, 30 feet west of eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Biscohoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>	

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
1 GP	75		2	<b>LEAN CLAY</b> mostly lean clay, little sand, little silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.	CL		0	
				Change to very dark grayish brown (10 YR 3/2).			0	Collected grab soil sample from 3-4 ft bgs at 10:21 on 4/1/2011
2 GP	80		4	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, trace clay, very dark grayish brown (10YR 3/2), no odor, damp, loose.			0	
				Change to saturated.			0	Collected grab soil sample from 6-7 ft bgs at 10:26 on 4/1/2011
3 GP	65		8		SW		0	Collected grab groundwater sample from 7-12 ft bgs at 14:11 on 4/1/2011
				Change to few gravel, slight odor.				
			12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT\_CORP.GDT 02751.18 8/24/11

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Checked By: Stacy Metz

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>
Boring Location: <b>Along eastern perimeter of site, 40 feet west of eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7.25</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>	

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
			2	<b>LEAN CLAY</b> mostly lean clay, little sand, little silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.			0	
			4	Change to very dark grayish brown (10 YR 3/2).	CL		0	
			6				0	
			8	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, <input checked="" type="checkbox"/> trace clay, very dark grayish brown (10YR 3/2), no odor, damp, loose. Change to saturated.			0	Collected grab groundwater sample from 7-12 ft bgs at 14:42 on 4/1/2011
			10	Change to slight to moderate odor.	SW		0	
			12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

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Checked By: Stacy Metz



# SOIL BORING LOG

## BORING NO. B-65

Page 1 of 1

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 20 feet west of eastern fence, at southern fence</b>		Personnel Logged By - John Bacon Driller - Steve Bischoff		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
1 GP	75		2	<b>LEAN CLAY</b> mostly lean clay, little sand, little silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.			0	
			4	Change to very dark grayish brown (10 YR 3/2).	CL		0	
2 GP	75		6				0	
			8	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, <input checked="" type="checkbox"/> trace clay, very dark grayish brown (10YR 3/2), no odor, damp, loose. Change to saturated.			0	Collected grab groundwater sample from 7-12 ft bgs at 14:30 on 4/1/2011
3 GP	90		10	Change to slight odor.	SW			
			12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT CORP.GDT 02751.18 6/24/11

Signature:	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By: Stacy Metz



# SOIL BORING LOG

## BORING NO. B-66

Page 1 of 1

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>
Boring Location: <b>Along eastern perimeter of site, 50 feet west of eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>	








SAMPLE	NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				0	<b>TOPSOIL</b>			0	
	1 GP	80		2	<b>LEAN CLAY</b> mostly lean clay, little sand, little silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.	CL		0	
				4	Change to very dark grayish brown (10 YR 3/2).			0	
	2 GP	80		6	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, trace clay, very dark grayish brown (10YR 3/2), no odor, damp, loose.			0	
				7	Change to saturated, gravel lens from 7 to 7.25 feet below ground surface.			0	Collected grab groundwater sample from 7-12 ft bgs at 15:24 on 4/1/2011
	3 GP	85		10	Change to few gravel.	SW			
				12	End of boring at 12.0 feet below ground surface.				

SOIL BORING WELL CONSTRUCTION LOG 8070.18 2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

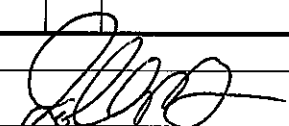
Signature:	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By: Stacy Metz

Facility/Project Name: <b>Former Tecumseh Products Company</b>		Date Drilling Started: <b>4/1/11</b>	Date Drilling Completed: <b>4/1/11</b>	Project Number: <b>02751.18</b>	
Drilling Firm: <b>Terra Probe, Inc.</b>	Drilling Method: <b>Direct Push</b>	Surface Elev. (ft) <b>---</b>	TOC Elevation (ft) <b>---</b>	Total Depth (ft bgs) <b>12.0</b>	Borehole Dia. (in) <b>2</b>
Boring Location: <b>Along eastern perimeter of site, 60 feet west of eastern fence, 10 north of southern fence</b>		Personnel Logged By - <b>John Bacon</b> Driller - <b>Steve Bischoff</b>		Drilling Equipment: <b>Geoprobe 6620 DT</b>	
Civil Town/City/or Village: <b>Tecumseh</b>	County: <b>Lenawee</b>	State: <b>MI</b>	Water Level Observations: While Drilling: Date/Time <b>4/1/11 00:00</b> <input checked="" type="checkbox"/> Depth (ft bgs) <b>7</b> After Drilling: Date/Time _____ Depth (ft bgs) <b>NM</b>		

SAMPLE NUMBER AND TYPE	RECOVERY (%)	BLOW COUNTS	DEPTH IN FEET	LITHOLOGIC DESCRIPTION	USCS	GRAPHIC LOG	PID (PPM)	COMMENTS
				<b>TOPSOIL</b>			0	
			2	<b>LEAN CLAY</b> mostly lean clay, little sand, little silt, plastic, dark yellowish brown (10YR 3/4), no odor, damp, soft.			0	
			4	Change to very dark grayish brown (10 YR 3/2).	CL		0	
			6				0	
			8	<b>WELL GRADED SAND</b> mostly fine to coarse sand, trace silt, trace clay, very dark grayish brown (10YR 3/2), no odor, damp, loose.			0	
			10	Change to saturated.			0	
			12	Change to few gravel.	SW		0	
			12	End of boring at 12.0 feet below ground surface.				Collected grab groundwater sample from 7-12 ft bgs at 15:44 on 4/1/2011

SOIL BORING WELL CONSTRUCTION LOG 8070.18\_2011.GPJ RMT\_CORP.GDT 02751.18 6/24/11

Signature: 	Firm: <b>RMT, Inc.</b> 3754 Ranchero Drive Ann Arbor, MI 48108	734-971-7080 Fax 734-971-9022
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Checked By: Stacy Metz



# Attachment 2

## Analytical Data

April 11, 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:

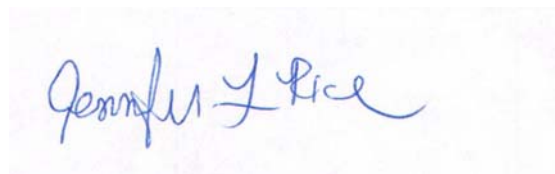
<b>Work Order</b>	<b>Received</b>	<b>Description</b>
1104030	04/02/2011	Laboratory Services

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

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

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

Sincerely,



Jennifer L. Rice  
Project Chemist

Enclosures(s)

### ANALYTICAL REPORT

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-62 (1-2')**  
 Lab Sample ID: **1104030-01**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 91

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 08:34  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/06/11 By: DLV  
 Analytical Batch: 1D07033

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.049	0.049
100-41-4	Ethylbenzene	<0.049	0.049
108-88-3	Toluene	<b>0.14</b>	0.049
1330-20-7	Xylene (Total)	<0.15	0.15
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	94	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	98	<i>84-115</i>
	<i>Toluene-d8</i>	98	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	101	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-62 (1-2')</b>	Sampled:	04/01/11 08:34
Lab Sample ID:	<b>1104030-01</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	91	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-62 (3-4')</b>	Sampled: 04/01/11 08:39
Lab Sample ID: <b>1104030-02</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/kg dry	Prepared: 04/06/11 By: DLV
Dilution Factor: 1	Analyzed: 04/06/11 By: DLV
QC Batch: 1102664	Analytical Batch: 1D07033
Percent Solids: 91	

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.055	0.055
100-41-4	Ethylbenzene	<0.055	0.055
108-88-3	Toluene	<0.055	0.055
1330-20-7	Xylene (Total)	<0.16	0.16
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	93	<i>76-108</i>	
<i>1,2-Dichloroethane-d4</i>	97	<i>84-115</i>	
<i>Toluene-d8</i>	98	<i>90-107</i>	
<i>4-Bromofluorobenzene</i>	101	<i>84-110</i>	

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-62 (3-4')</b>	Sampled:	04/01/11 08:39
Lab Sample ID:	<b>1104030-02</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	91	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-58 (3-4')**  
 Lab Sample ID: **1104030-03**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 85

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 08:55  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/06/11 By: DLV  
 Analytical Batch: 1D07033

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.059	0.059
100-41-4	Ethylbenzene	<0.059	0.059
108-88-3	Toluene	<0.059	0.059
1330-20-7	Xylene (Total)	<0.18	0.18
<b>Surrogates:</b>		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	92	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	95	<i>84-115</i>
	<i>Toluene-d8</i>	98	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-58 (3-4')</b>	Sampled:	04/01/11 08:55
Lab Sample ID:	<b>1104030-03</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	85	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589



### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-58 (6-7')</b>	Sampled: 04/01/11 09:03
Lab Sample ID: <b>1104030-04</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/kg dry	Prepared: 04/06/11 By: DLV
Dilution Factor: 1	Analyzed: 04/06/11 By: DLV
QC Batch: 1102664	Analytical Batch: 1D07033
Percent Solids: 90	

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.055	0.055
100-41-4	Ethylbenzene	<0.055	0.055
108-88-3	Toluene	<0.055	0.055
1330-20-7	Xylene (Total)	<0.17	0.17
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	92	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	95	<i>84-115</i>
	<i>Toluene-d8</i>	97	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	101	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-58 (6-7')</b>	Sampled:	04/01/11 09:03
Lab Sample ID:	<b>1104030-04</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	90	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-59 (3-4')**  
 Lab Sample ID: **1104030-05**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 88

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 09:16  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/06/11 By: DLV  
 Analytical Batch: 1D07033

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.057	0.057
100-41-4	Ethylbenzene	<0.057	0.057
108-88-3	Toluene	<0.057	0.057
1330-20-7	Xylene (Total)	<0.17	0.17
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	92	76-108
	<i>1,2-Dichloroethane-d4</i>	96	84-115
	<i>Toluene-d8</i>	98	90-107
	<i>4-Bromofluorobenzene</i>	101	84-110

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-59 (3-4')</b>	Sampled:	04/01/11 09:16
Lab Sample ID:	<b>1104030-05</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	<b>88</b>	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-59 (6-7')**  
 Lab Sample ID: **1104030-06**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 92

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 09:23  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/06/11 By: DLV  
 Analytical Batch: 1D07033

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.055	0.055
100-41-4	Ethylbenzene	<0.055	0.055
108-88-3	Toluene	<0.055	0.055
1330-20-7	Xylene (Total)	<0.16	0.16
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	91	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	97	<i>84-115</i>
	<i>Toluene-d8</i>	98	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	101	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-59 (6-7')</b>	Sampled:	04/01/11 09:23
Lab Sample ID:	<b>1104030-06</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	92	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-60 (3-4')**  
 Lab Sample ID: **1104030-07**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 88

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 09:44  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/06/11 By: DLV  
 Analytical Batch: 1D07033

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.057	0.057
100-41-4	Ethylbenzene	<0.057	0.057
108-88-3	Toluene	<0.057	0.057
1330-20-7	Xylene (Total)	<0.17	0.17
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	92	76-108
	<i>1,2-Dichloroethane-d4</i>	94	84-115
	<i>Toluene-d8</i>	100	90-107
	<i>4-Bromofluorobenzene</i>	101	84-110

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-60 (3-4')</b>	Sampled:	04/01/11 09:44
Lab Sample ID:	<b>1104030-07</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	<b>88</b>	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589



### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-60 (6-7')</b>	Sampled: 04/01/11 09:54
Lab Sample ID: <b>1104030-08</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/kg dry	Prepared: 04/06/11 By: DLV
Dilution Factor: 1	Analyzed: 04/06/11 By: DLV
QC Batch: 1102664	Analytical Batch: 1D07033
Percent Solids: 93	

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.054	0.054
100-41-4	Ethylbenzene	<0.054	0.054
108-88-3	Toluene	<0.054	0.054
1330-20-7	Xylene (Total)	<0.16	0.16
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	92	<i>76-108</i>	
<i>1,2-Dichloroethane-d4</i>	96	<i>84-115</i>	
<i>Toluene-d8</i>	98	<i>90-107</i>	
<i>4-Bromofluorobenzene</i>	100	<i>84-110</i>	

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-60 (6-7')</b>	Sampled:	04/01/11 09:54
Lab Sample ID:	<b>1104030-08</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	93	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-61 (3-4')</b>	Sampled: 04/01/11 10:05
Lab Sample ID: <b>1104030-09</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/kg dry	Prepared: 04/06/11 By: DLV
Dilution Factor: 1	Analyzed: 04/06/11 By: DLV
QC Batch: 1102664	Analytical Batch: 1D07033
Percent Solids: 89	

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.056	0.056
100-41-4	Ethylbenzene	<0.056	0.056
108-88-3	Toluene	<0.056	0.056
1330-20-7	Xylene (Total)	<0.17	0.17
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	90	<i>76-108</i>	
<i>1,2-Dichloroethane-d4</i>	92	<i>84-115</i>	
<i>Toluene-d8</i>	97	<i>90-107</i>	
<i>4-Bromofluorobenzene</i>	100	<i>84-110</i>	

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-61 (3-4')</b>	Sampled:	04/01/11 10:05
Lab Sample ID:	<b>1104030-09</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	<b>89</b>	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-61 (6-7')</b>	Sampled: 04/01/11 10:09
Lab Sample ID: <b>1104030-10</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/kg dry	Prepared: 04/06/11 By: DLV
Dilution Factor: 1	Analyzed: 04/07/11 By: DLV
QC Batch: 1102664	Analytical Batch: 1D07034
Percent Solids: 92	

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.049	0.049
100-41-4	Ethylbenzene	<0.049	0.049
108-88-3	Toluene	<b>0.18</b>	0.049
1330-20-7	Xylene (Total)	<b>0.43</b>	0.15
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	96	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	100	<i>84-115</i>
	<i>Toluene-d8</i>	98	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-61 (6-7')</b>	Sampled:	04/01/11 10:09
Lab Sample ID:	<b>1104030-10</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	92	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-63 (3-4')**  
 Lab Sample ID: **1104030-11**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 87

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 10:21  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07034

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.051	0.051
100-41-4	Ethylbenzene	<0.051	0.051
108-88-3	Toluene	<0.051	0.051
1330-20-7	Xylene (Total)	<0.15	0.15
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	96	76-108
	<i>1,2-Dichloroethane-d4</i>	101	84-115
	<i>Toluene-d8</i>	98	90-107
	<i>4-Bromofluorobenzene</i>	100	84-110

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-63 (3-4')</b>	Sampled:	04/01/11 10:21
Lab Sample ID:	<b>1104030-11</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	<b>87</b>	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-63 (6-7')**  
 Lab Sample ID: **1104030-12**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 93

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 10:26  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07034

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.054	0.054
100-41-4	Ethylbenzene	<0.054	0.054
108-88-3	Toluene	<0.054	0.054
1330-20-7	Xylene (Total)	<0.16	0.16
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	98	<i>76-108</i>
	<i>1,2-Dichloroethane-d4</i>	100	<i>84-115</i>
	<i>Toluene-d8</i>	98	<i>90-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-63 (6-7')</b>	Sampled:	04/01/11 10:26
Lab Sample ID:	<b>1104030-12</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	93	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **DUP-1**  
 Lab Sample ID: **1104030-13**  
 Matrix: Soil  
 Unit: mg/kg dry  
 Dilution Factor: 1  
 QC Batch: 1102664  
 Percent Solids: 83

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 00:00  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07034

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.060	0.060
100-41-4	Ethylbenzene	<0.060	0.060
108-88-3	Toluene	<0.060	0.060
1330-20-7	Xylene (Total)	<0.18	0.18

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	95	<i>76-108</i>
<i>1,2-Dichloroethane-d4</i>	100	<i>84-115</i>
<i>Toluene-d8</i>	98	<i>90-107</i>
<i>4-Bromofluorobenzene</i>	99	<i>84-110</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>DUP-1</b>	Sampled:	04/01/11 00:00
Lab Sample ID:	<b>1104030-13</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Percent Solids	83	0.1	%	1	USEPA-3550B	04/06/11 13:00	CLD	1102589

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>Soil Composite 01</b>	Sampled:	04/01/11 10:45
Lab Sample ID:	<b>1104030-14</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45

**Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
*Flashpoint, Closed-Cup	> 200	68	°F	1	USEPA-1020A	04/06/11 14:41	KRK	1102620
*Cyanide Reactivity	<250	250	mg/kg	1	USEPA-7.3.3.2	04/07/11 09:54	LMA	1102590
Sulfide Reactivity	<10	10	mg/kg	1	USEPA-7.3.4.2	04/07/11 11:30	KAR	1102690
<b>pH</b>	<b>8.2</b>	1.0	pH Units	1	USEPA-9045C	04/06/11 12:30	CLB	1102599

\*See Statement of Data Qualifications

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>Soil Composite 01</b>	Sampled:	04/01/11 10:45
Lab Sample ID:	<b>1104030-14</b>	Sampled By:	J. Bacon
Matrix:	Soil	Received:	04/02/11 08:45
Percent Solids:	n/a		

**TCLP Metals by EPA 1311/6000/7000 Series Methods**

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<0.10	0.10	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
<b>Barium</b>	<b>0.38</b>	0.35	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
Cadmium	<0.010	0.010	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
Chromium	<0.050	0.050	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
Lead	<0.050	0.050	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
Mercury	<0.00020	0.00020	mg/L	1	USEPA-7470A	04/06/11 08:20	DSC	1102575
Selenium	<0.10	0.10	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552
Silver	<0.010	0.010	mg/L	1	USEPA-6010C	04/06/11 11:30	JMF	1102552

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>Soil Composite 01</b>	Sampled: 04/01/11 10:45
Lab Sample ID: <b>1104030-14</b>	Sampled By: J. Bacon
Matrix: Soil	Received: 04/02/11 08:45
Unit: mg/L	Prepared: 04/06/11 By: DLV
Dilution Factor: 100	Analyzed: 04/07/11 By: DLV
QC Batch: 1102424	Analytical Batch: 1D07038
Percent Solids: n/a	

#### TCLP Volatile Organics by EPA Method 1311/8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<0.10	0.10
56-23-5	Carbon Tetrachloride	<0.10	0.10
108-90-7	Chlorobenzene	<0.10	0.10
67-66-3	Chloroform	<0.10	0.10
107-06-2	1,2-Dichloroethane	<0.10	0.10
75-35-4	1,1-Dichloroethene	<0.10	0.10
78-93-3	2-Butanone (MEK)	<5.0	5.0
127-18-4	Tetrachloroethene	<0.10	0.10
79-01-6	Trichloroethene	<0.10	0.10
75-01-4	Vinyl Chloride	<0.10	0.10

<i>Surrogates:</i>	<i>% Recovery</i>	<i>Control Limits</i>
<i>Dibromofluoromethane</i>	96	<i>79-124</i>
<i>1,2-Dichloroethane-d4</i>	100	<i>75-128</i>
<i>Toluene-d8</i>	99	<i>87-113</i>
<i>4-Bromofluorobenzene</i>	100	<i>70-121</i>

**ANALYTICAL REPORT**

Client:	<b>RMT, Inc. - Ann Arbor Office</b>	Work Order:	<b>1104030</b>
Project:	Tecumseh Products - Investigation	Description:	Laboratory Services
Client Sample ID:	<b>B-59 (7-12')</b>	Sampled:	04/01/11 13:16
Lab Sample ID:	<b>1104030-15</b>	Sampled By:	J. Bacon
Matrix:	Water	Received:	04/02/11 08:45
Unit:	ug/L	Prepared:	04/06/11 By: DLV
Dilution Factor:	250	Analyzed:	04/07/11 By: DLV
QC Batch:	1102596	Analytical Batch:	1D07020

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<250	250
100-41-4	Ethylbenzene	<b>2500</b>	250
108-88-3	Toluene	<b>41000</b>	250
1330-20-7	Xylene (Total)	<b>24000</b>	750
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	100	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-106</i>



**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-60 (7-12')**  
 Lab Sample ID: **1104030-16**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 500  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 13:29  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07020

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<500	500
100-41-4	Ethylbenzene	<b>4700</b>	500
108-88-3	Toluene	<b>55000</b>	500
1330-20-7	Xylene (Total)	<b>48000</b>	1500
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	101	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	99	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-61 (7-12')**  
 Lab Sample ID: **1104030-17**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 500  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 13:59  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07020

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<500	500
100-41-4	Ethylbenzene	<b>5200</b>	500
108-88-3	Toluene	<b>61000</b>	500
1330-20-7	Xylene (Total)	<b>41000</b>	1500
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	101	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	92	<i>87-123</i>
	<i>Toluene-d8</i>	100	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-62 (7-12')**  
 Lab Sample ID: **1104030-18**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 10:48  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07020

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<1.0	1.0
100-41-4	Ethylbenzene	<b>1.4</b>	1.0
108-88-3	Toluene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	98	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	98	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-63 (7-12')**  
 Lab Sample ID: **1104030-19**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 200  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 14:11  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/06/11 By: DLV  
 Analyzed: 04/07/11 By: DLV  
 Analytical Batch: 1D07020

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<200	200
100-41-4	Ethylbenzene	<b>3800</b>	200
108-88-3	Toluene	<b>21000</b>	200
1330-20-7	Xylene (Total)	<b>30000</b>	600
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	92	<i>87-123</i>
	<i>Toluene-d8</i>	100	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-64 (7-12')**  
 Lab Sample ID: **1104030-20**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 250  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 14:42  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/07/11 By: DLV  
 Analyzed: 04/08/11 By: DLV  
 Analytical Batch: 1D08005

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<250	250
100-41-4	Ethylbenzene	<b>9300</b>	250
108-88-3	Toluene	<b>18000</b>	250
1330-20-7	Xylene (Total)	<b>59000</b>	750
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	101	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	90	<i>87-123</i>
	<i>Toluene-d8</i>	101	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-65 (7-12')**  
 Lab Sample ID: **1104030-21**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 50  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 14:30  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/07/11 By: DLV  
 Analyzed: 04/08/11 By: DLV  
 Analytical Batch: 1D08005

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<50	50
100-41-4	Ethylbenzene	<b>3200</b>	50
108-88-3	Toluene	<b>90</b>	50
1330-20-7	Xylene (Total)	<b>23000</b>	150
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	100	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	101	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-66 (7-12')**  
 Lab Sample ID: **1104030-22**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 50  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 15:24  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/07/11 By: DLV  
 Analyzed: 04/08/11 By: DLV  
 Analytical Batch: 1D08005

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<50	50
100-41-4	Ethylbenzene	<b>2500</b>	50
108-88-3	Toluene	<50	50
1330-20-7	Xylene (Total)	<b>28000</b>	150
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	102	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	102	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	101	<i>84-106</i>

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **B-67 (7-12')**  
 Lab Sample ID: **1104030-23**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 5  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 15:44  
 Sampled By: J. Bacon  
 Received: 04/02/11 08:45  
 Prepared: 04/07/11 By: DLV  
 Analyzed: 04/08/11 By: DLV  
 Analytical Batch: 1D08005

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<5.0	5.0
100-41-4	Ethylbenzene	<b>140</b>	5.0
108-88-3	Toluene	<5.0	5.0
1330-20-7	Xylene (Total)	<b>1300</b>	15
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	101	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>
	<i>Toluene-d8</i>	101	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-106</i>



### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>DUP-01</b>	Sampled: 04/01/11 00:00
Lab Sample ID: <b>1104030-24</b>	Sampled By: J. Bacon
Matrix: Water	Received: 04/02/11 08:45
Unit: ug/L	Prepared: 04/06/11 By: DLV
Dilution Factor: 200	Analyzed: 04/07/11 By: DLV
QC Batch: 1102596	Analytical Batch: 1D07020

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<200	200
100-41-4	Ethylbenzene	<b>3800</b>	200
108-88-3	Toluene	<b>21000</b>	200
1330-20-7	Xylene (Total)	<b>31000</b>	600
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	101	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	93	<i>87-123</i>	
<i>Toluene-d8</i>	100	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>	

### ANALYTICAL REPORT

Client: <b>RMT, Inc. - Ann Arbor Office</b>	Work Order: <b>1104030</b>
Project: Tecumseh Products - Investigation	Description: Laboratory Services
Client Sample ID: <b>B-58 (7-12')</b>	Sampled: 04/01/11 11:03
Lab Sample ID: <b>1104030-25</b>	Sampled By: J. Bacon
Matrix: Water	Received: 04/02/11 08:45
Unit: ug/L	Prepared: 04/07/11 By: DLV
Dilution Factor: 10	Analyzed: 04/08/11 By: DLV
QC Batch: 1102596	Analytical Batch: 1D08005

#### Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<10	10
100-41-4	Ethylbenzene	<b>620</b>	10
108-88-3	Toluene	<b>16</b>	10
1330-20-7	Xylene (Total)	<b>5300</b>	30
<b>Surrogates:</b>			
	<b>% Recovery</b>	<b>Control Limits</b>	
<i>Dibromofluoromethane</i>	102	<i>88-116</i>	
<i>1,2-Dichloroethane-d4</i>	91	<i>87-123</i>	
<i>Toluene-d8</i>	102	<i>91-107</i>	
<i>4-Bromofluorobenzene</i>	99	<i>84-106</i>	

**ANALYTICAL REPORT**

Client: **RMT, Inc. - Ann Arbor Office**  
 Project: Tecumseh Products - Investigation  
 Client Sample ID: **Trip Blank**  
 Lab Sample ID: **1104030-26**  
 Matrix: Water  
 Unit: ug/L  
 Dilution Factor: 1  
 QC Batch: 1102596

Work Order: **1104030**  
 Description: Laboratory Services  
 Sampled: 04/01/11 00:00  
 Sampled By: TML  
 Received: 04/02/11 08:45  
 Prepared: 04/05/11 By: LEW  
 Analyzed: 04/05/11 By: LEW  
 Analytical Batch: 1D08008

**Volatile Organic Compounds by EPA Method 8260B**

CAS Number	Analyte	Analytical Result	RL
71-43-2	Benzene	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0
<b>Surrogates:</b>			
		<b>% Recovery</b>	<b>Control Limits</b>
	<i>Dibromofluoromethane</i>	103	<i>88-116</i>
	<i>1,2-Dichloroethane-d4</i>	104	<i>87-123</i>
	<i>Toluene-d8</i>	106	<i>91-107</i>
	<i>4-Bromofluorobenzene</i>	100	<i>84-106</i>

**QUALITY CONTROL REPORT**
**Volatile Organic Compounds by EPA Method 8260B**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1102596** 5030B Aqueous Purge & Trap/USEPA-8260B

<b>Method Blank</b>						Analyzed:	04/06/2011	By: DLV
Unit: ug/L						Analytical Batch:	1D07020	

Benzene			<1.0					1.0
Ethylbenzene			<1.0					1.0
Toluene			<1.0					1.0
Xylene (Total)			<3.0					3.0

**Surrogates:**

<i>Dibromofluoromethane</i>				100	88-116			
<i>1,2-Dichloroethane-d4</i>				93	87-123			
<i>Toluene-d8</i>				99	91-107			
<i>4-Bromofluorobenzene</i>				97	84-106			

<b>Method Blank</b>						Analyzed:	04/07/2011	By: DLV
Unit: ug/L						Analytical Batch:	1D08005	

Benzene			<1.0					1.0
Ethylbenzene			<1.0			--		1.0
Toluene			<1.0					1.0
Xylene (Total)			<3.0					3.0

**Surrogates:**

<i>Dibromofluoromethane</i>				101	88-116			
<i>1,2-Dichloroethane-d4</i>				92	87-123			
<i>Toluene-d8</i>				101	91-107			
<i>4-Bromofluorobenzene</i>				98	84-106			

<b>Method Blank</b>						Analyzed:	04/05/2011	By: LEW
Unit: ug/L						Analytical Batch:	1D08008	

Benzene			<1.0			--		1.0
Ethylbenzene			<1.0			--		1.0
Toluene			<1.0			--		1.0
Xylene (Total)			<3.0			--		3.0

**Surrogates:**

<i>Dibromofluoromethane</i>				105	88-116			
<i>1,2-Dichloroethane-d4</i>				104	87-123			
<i>Toluene-d8</i>				107	91-107			
<i>4-Bromofluorobenzene</i>				101	84-106			

<b>Laboratory Control Sample</b>						Analyzed:	04/06/2011	By: DLV
Unit: ug/L						Analytical Batch:	1D07020	

Benzene		40.0	<b>40.9</b>		102	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
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**QC Batch: 1102596 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

<b>Laboratory Control Sample (Continued)</b>				Analyzed:	04/06/2011	By: DLV	
Unit: ug/L				Analytical Batch:	1D07020		
Ethylbenzene		40.0	<b>39.4</b>	99	87-119	--	1.0
Toluene		40.0	<b>40.3</b>	101	85-118	--	1.0
Xylene (Total)		120	<b>120</b>	100	86-119	--	3.0
<b>Surrogates:</b>							
<i>Dibromofluoromethane</i>				102	88-116		
<i>1,2-Dichloroethane-d4</i>				93	87-123		
<i>Toluene-d8</i>				102	91-107		
<i>4-Bromofluorobenzene</i>				100	84-106		

<b>Laboratory Control Sample</b>				Analyzed:	04/07/2011	By: DLV	
Unit: ug/L				Analytical Batch:	1D08005		
Benzene		40.0	<b>42.2</b>	105	84-119	--	1.0
Ethylbenzene		40.0	<b>38.9</b>	97	87-119	--	1.0
Toluene		40.0	<b>41.4</b>	103	85-118	--	1.0
Xylene (Total)		120	<b>119</b>	99	86-119	--	3.0
<b>Surrogates:</b>							
<i>Dibromofluoromethane</i>				103	88-116		
<i>1,2-Dichloroethane-d4</i>				92	87-123		
<i>Toluene-d8</i>				103	91-107		
<i>4-Bromofluorobenzene</i>				99	84-106		

<b>Laboratory Control Sample</b>				Analyzed:	04/05/2011	By: LEW	
Unit: ug/L				Analytical Batch:	1D08008		
Benzene		40.0	<b>38.5</b>	96	84-119	--	1.0
Ethylbenzene		40.0	<b>36.7</b>	92	87-119	--	1.0
Toluene		40.0	<b>38.6</b>	97	85-118	--	1.0
Xylene (Total)		120	<b>111</b>	92	86-119	--	3.0
<b>Surrogates:</b>							
<i>Dibromofluoromethane</i>				102	88-116		
<i>1,2-Dichloroethane-d4</i>				100	87-123		
<i>Toluene-d8</i>				105	91-107		
<i>4-Bromofluorobenzene</i>				101	84-106		

<b>Laboratory Control Sample Duplicate</b>				Analyzed:	04/06/2011	By: DLV		
Unit: ug/L				Analytical Batch:	1D07020			
Benzene		40.0	<b>41.2</b>	103	84-119	0.8	20	1.0
Ethylbenzene		40.0	<b>39.7</b>	99	87-119	0.7	20	1.0

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

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1102596 (Continued)** 5030B Aqueous Purge & Trap/USEPA-8260B

**Laboratory Control Sample Duplicate (Continued)**

Analyzed: 04/06/2011 By: DLV

Unit: ug/L

Analytical Batch: 1D07020

Toluene		40.0	<b>41.1</b>	103	85-118	2	20	1.0
Xylene (Total)		120	<b>121</b>	101	86-119	1	20	3.0

**Surrogates:**

<i>Dibromofluoromethane</i>				103	88-116			
<i>1,2-Dichloroethane-d4</i>				92	87-123			
<i>Toluene-d8</i>				103	91-107			
<i>4-Bromofluorobenzene</i>				100	84-106			

**Laboratory Control Sample Duplicate**

Analyzed: 04/07/2011 By: DLV

Unit: ug/L

Analytical Batch: 1D08005

Benzene		40.0	<b>43.0</b>	107	84-119	2	20	1.0
Ethylbenzene		40.0	<b>40.1</b>	100	87-119	3	20	1.0
Toluene		40.0	<b>42.4</b>	106	85-118	2	20	1.0
Xylene (Total)		120	<b>122</b>	102	86-119	3	20	3.0

**Surrogates:**

<i>Dibromofluoromethane</i>				102	88-116			
<i>1,2-Dichloroethane-d4</i>				90	87-123			
<i>Toluene-d8</i>				104	91-107			
<i>4-Bromofluorobenzene</i>				99	84-106			

**QC Batch: 1102664** 5035 Soil Purge & Trap - MS/USEPA-8260B

**Method Blank**

Analyzed: 04/06/2011 By: DLV

Unit: mg/kg wet

Analytical Batch: 1D07033

Benzene		<0.050						0.050
Ethylbenzene		<0.050				--		0.050
Toluene		<0.050						0.050
Xylene (Total)		<0.15						0.15

**Method Blank**

Analyzed: 04/06/2011 By: DLV

Unit: ug/L

Analytical Batch: 1D07033

**Surrogates:**

<i>Dibromofluoromethane</i>				95	76-108			
<i>1,2-Dichloroethane-d4</i>				96	84-115			
<i>Toluene-d8</i>				98	90-107			
<i>4-Bromofluorobenzene</i>				101	84-110			

**Method Blank**

Analyzed: 04/06/2011 By: DLV

Unit: mg/kg wet

Analytical Batch: 1D07034

Benzene		<0.050						0.050
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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
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**QC Batch: 1102664 (Continued)** 5035 Soil Purge & Trap - MS/USEPA-8260B

**Method Blank (Continued)**

Unit: mg/kg wet

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07034

Ethylbenzene			<0.050				0.050	
Toluene			<0.050				0.050	
Xylene (Total)			<0.15				0.15	

**Method Blank**

Unit: ug/L

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07034

**Surrogates:**

<i>Dibromofluoromethane</i>				97	76-108			
<i>1,2-Dichloroethane-d4</i>				101	84-115			
<i>Toluene-d8</i>				98	90-107			
<i>4-Bromofluorobenzene</i>				100	84-110			

**Laboratory Control Sample**

Unit: mg/kg wet

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07033

Benzene		2.00	<b>2.05</b>	102	85-120	--	0.050	
Toluene		2.00	<b>2.00</b>	100	81-122	--	0.050	

**Laboratory Control Sample**

Unit: ug/L

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07033

**Surrogates:**

<i>Dibromofluoromethane</i>				97	76-108			
<i>1,2-Dichloroethane-d4</i>				97	84-115			
<i>Toluene-d8</i>				98	90-107			
<i>4-Bromofluorobenzene</i>				101	84-110			

**Laboratory Control Sample**

Unit: mg/kg wet

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07034

Benzene		2.00	<b>1.85</b>	92	85-120	--	0.050	
Toluene		2.00	<b>1.83</b>	92	81-122	--	0.050	

**Laboratory Control Sample**

Unit: ug/L

Analyzed: 04/06/2011 By: DLV

Analytical Batch: 1D07034

**Surrogates:**

<i>Dibromofluoromethane</i>				100	76-108			
<i>1,2-Dichloroethane-d4</i>				104	84-115			
<i>Toluene-d8</i>				98	90-107			
<i>4-Bromofluorobenzene</i>				102	84-110			

**Matrix Spike 1104030-13 DUP-1**

Unit: mg/kg dry

Analyzed: 04/07/2011 By: DLV

Analytical Batch: 1D07034

Benzene	<0.060	2.41	<b>2.37</b>	99	83-116	--	0.060	
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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
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**QC Batch: 1102664 (Continued)** 5035 Soil Purge & Trap - MS/USEPA-8260B

<b>Matrix Spike (Continued) 1104030-13 DUP-1</b>	Analyzed:	04/07/2011	By: DLV
Unit: mg/kg dry	Analytical Batch:	1D07034	

Toluene	<0.060	2.41	<b>2.36</b>	98	82-118	--	0.060	
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<b>Matrix Spike 1104030-13 DUP-1</b>	Analyzed:	04/07/2011	By: DLV
Unit: ug/L	Analytical Batch:	1D07034	

**Surrogates:**

<i>Dibromofluoromethane</i>	98	76-108
<i>1,2-Dichloroethane-d4</i>	99	84-115
<i>Toluene-d8</i>	99	90-107
<i>4-Bromofluorobenzene</i>	100	84-110

<b>Matrix Spike Duplicate 1104030-13 DUP-1</b>	Analyzed:	04/07/2011	By: DLV
Unit: mg/kg dry	Analytical Batch:	1D07034	

Benzene	<0.060	2.41	<b>2.28</b>	95	83-116	4	9	0.060
Toluene	<0.060	2.41	<b>2.27</b>	94	82-118	4	10	0.060

<b>Matrix Spike Duplicate 1104030-13 DUP-1</b>	Analyzed:	04/07/2011	By: DLV
Unit: ug/L	Analytical Batch:	1D07034	

**Surrogates:**

<i>Dibromofluoromethane</i>	98	76-108
<i>1,2-Dichloroethane-d4</i>	99	84-115
<i>Toluene-d8</i>	99	90-107
<i>4-Bromofluorobenzene</i>	100	84-110



**QUALITY CONTROL REPORT**
**TCLP Volatile Organics by EPA Method 1311/8260B**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1102424** 5030B MS TCLP/USEPA-8260B

<b>Method Blank</b>						Analyzed:	04/06/2011	By: DLV
Unit: mg/L						Analytical Batch:	1D07038	

Benzene			<0.10					0.10
Carbon Tetrachloride			<0.10					0.10
Chlorobenzene			<0.10					0.10
Chloroform			<0.10					0.10
1,2-Dichloroethane			<0.10					0.10
1,1-Dichloroethene			<0.10					0.10
2-Butanone (MEK)			<5.0			--		5.0
Tetrachloroethene			<0.10					0.10
Trichloroethene			<0.10					0.10
Vinyl Chloride			<0.10					0.10

<b>Method Blank</b>						Analyzed:	04/06/2011	By: DLV
Unit: ug/L						Analytical Batch:	1D07038	

**Surrogates:**

<i>Dibromofluoromethane</i>	97	79-124
<i>1,2-Dichloroethane-d4</i>	101	75-128
<i>Toluene-d8</i>	98	87-113
<i>4-Bromofluorobenzene</i>	100	70-121

<b>Laboratory Control Sample</b>						Analyzed:	04/06/2011	By: DLV
Unit: mg/L						Analytical Batch:	1D07038	

Benzene	4.00	<b>3.47</b>	87	77-122	--		0.10
Carbon Tetrachloride	4.00	<b>3.29</b>	82	77-132	--		0.10
Chlorobenzene	4.00	<b>3.51</b>	88	76-128	--		0.10
Chloroform	4.00	<b>3.54</b>	89	78-127	--		0.10
1,2-Dichloroethane	4.00	<b>3.80</b>	95	78-125	--		0.10
1,1-Dichloroethene	4.00	<b>3.20</b>	80	71-129	--		0.10
2-Butanone (MEK)	4.00	<b>3.52</b>	88	32-178	--		5.0
Tetrachloroethene	4.00	<b>3.59</b>	90	78-131	--		0.10
Trichloroethene	4.00	<b>3.53</b>	88	72-129	--		0.10
Vinyl Chloride	4.00	<b>3.32</b>	83	66-139	--		0.10

<b>Laboratory Control Sample</b>						Analyzed:	04/06/2011	By: DLV
Unit: ug/L						Analytical Batch:	1D07038	

**Surrogates:**

<i>Dibromofluoromethane</i>	99	79-124
<i>1,2-Dichloroethane-d4</i>	105	75-128

Continued on next page

**QUALITY CONTROL REPORT**
**TCLP Volatile Organics by EPA Method 1311/8260B (Continued)**

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**QC Batch: 1102424 (Continued)** 5030B MS TCLP/USEPA-8260B

**Laboratory Control Sample (Continued)**

 Analyzed: 04/06/2011 By: DLV  
 Analytical Batch: 1D07038

Unit: ug/L

**Surrogates (Continued):**

<i>Toluene-d8</i>	98	87-113
<i>4-Bromofluorobenzene</i>	101	70-121

**Laboratory Control Sample Duplicate**

 Analyzed: 04/06/2011 By: DLV  
 Analytical Batch: 1D07038

Unit: mg/L

Benzene	4.00	<b>3.70</b>	92	77-122	6	20	0.10
Carbon Tetrachloride	4.00	<b>3.67</b>	92	77-132	11	20	0.10
Chlorobenzene	4.00	<b>3.72</b>	93	76-128	6	20	0.10
Chloroform	4.00	<b>3.75</b>	94	78-127	6	20	0.10
1,2-Dichloroethane	4.00	<b>3.92</b>	98	78-125	3	20	0.10
1,1-Dichloroethene	4.00	<b>3.48</b>	87	71-129	8	20	0.10
2-Butanone (MEK)	4.00	<b>3.22</b>	80	32-178	9	20	5.0
Tetrachloroethene	4.00	<b>3.85</b>	96	78-131	7	20	0.10
Trichloroethene	4.00	<b>3.79</b>	95	72-129	7	20	0.10
Vinyl Chloride	4.00	<b>3.62</b>	90	66-139	9	20	0.10

**Laboratory Control Sample Duplicate**

 Analyzed: 04/06/2011 By: DLV  
 Analytical Batch: 1D07038

Unit: ug/L

**Surrogates:**

<i>Dibromofluoromethane</i>	100	79-124
<i>1,2-Dichloroethane-d4</i>	104	75-128
<i>Toluene-d8</i>	98	87-113
<i>4-Bromofluorobenzene</i>	102	70-121

**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
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**Analyte: Cyanide Reactivity/USEPA-7.3.3.2**

QC Batch: 1102590 (9010B Cyanide Distillation)							Analyzed: 04/07/2011 By: LMA		
Method Blank			<0.4	mg/kg					0.4
Laboratory Control Sample		2.48	<b>3</b>	mg/kg	103	80-120			0.4
Laboratory Control Sample		1.26	<b>1</b>	mg/kg	104	80-120			0.4
<b>1104030-14 [Soil Composite 01]</b>									
Duplicate	<250		<250	mg/kg				20	250

**Analyte: Flashpoint, Closed-Cup/USEPA-1020A**

QC Batch: 1102620 (General Inorganic Prep)							Analyzed: 04/06/2011 By: KRK		
Method Blank			> 200	°F					68
Laboratory Control Sample		81.0	<b>81</b>	°F	100	80-120			68
<b>1104030-14 [Soil Composite 01]</b>									
Duplicate	> 200		> 200	°F			0	20	68

**Analyte: Percent Solids/USEPA-3550B**

QC Batch: 1102589 (General Inorganic Prep)							Analyzed: 04/06/2011 By: CLD		
Method Blank			<0.1	%					0.1
<b>1104030-01 [B-62 (1-2')]</b>									
Duplicate	91		<b>91</b>	%			0.3	5	0.1

**Analyte: pH/USEPA-9045C**

QC Batch: 1102599 (Method-Specific Preparation)							Analyzed: 04/06/2011 By: CLB		
<b>1104030-14 [Soil Composite 01]</b>									
Duplicate	8.18		<b>8.15</b>	pH Units			0.4	20	1.0

**Analyte: Sulfide Reactivity/USEPA-7.3.4.2**

QC Batch: 1102690 (Method-Specific Preparation)							Analyzed: 04/07/2011 By: KAR		
Method Blank			<10	mg/kg					10
Laboratory Control Sample		610	<b>354</b>	mg/kg	58	29-113			10
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	<10	602	<b>308</b>	mg/kg	51	1-138			10

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**QUALITY CONTROL REPORT**
**Physical/Chemical Parameters by EPA/APHA/ASTM Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Sulfide Reactivity/USEPA-7.3.4.2 (Continued)**

QC Batch: 1102690 (Continued) (Method-Specific Preparation)

Analyzed: 04/07/2011 By: KAR

**1104030-14 [Soil Composite 01]**

Duplicate	<10		<10	mg/kg				20	10
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## QUALITY CONTROL REPORT

### TCLP Metals by EPA 1311/6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Arsenic/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.10	mg/L					0.10
Laboratory Control Sample		1.25	<b>1.28</b>	mg/L	102	80-120			0.10
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	0.0388	1.25	<b>1.22</b>	mg/L	94	75-125			0.10
Matrix Spike Duplicate	0.0388	1.25	<b>1.23</b>	mg/L	95	75-125	0.9	20	0.10

**Analyte: Barium/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.35	mg/L					0.35
Laboratory Control Sample		0.250	<b>0.260</b>	mg/L	104	80-120			0.35
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	0.382	0.250	<b>0.603</b>	mg/L	89	75-125			0.35
Matrix Spike Duplicate	0.382	0.250	<b>0.619</b>	mg/L	95	75-125	3	20	0.35

**Analyte: Cadmium/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.010	mg/L					0.010
Laboratory Control Sample		0.250	<b>0.246</b>	mg/L	99	80-120			0.010
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	0.00718	0.250	<b>0.222</b>	mg/L	86	75-125			0.010
Matrix Spike Duplicate	0.00718	0.250	<b>0.222</b>	mg/L	86	75-125	0.1	20	0.010

**Analyte: Chromium/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.250	<b>0.246</b>	mg/L	99	80-120			0.050
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	<0.050	0.250	<b>0.221</b>	mg/L	88	75-125			0.050
Matrix Spike Duplicate	<0.050	0.250	<b>0.221</b>	mg/L	88	75-125	0.1	20	0.050

**Analyte: Lead/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.050	mg/L					0.050

Continued on next page

**QUALITY CONTROL REPORT**

**TCLP Metals by EPA 1311/6000/7000 Series Methods (Continued)**

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
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**Analyte: Lead/USEPA-6010C (Continued)**

QC Batch: 1102552 (Continued) (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Laboratory Control Sample		0.250	<b>0.254</b>	mg/L	101	80-120			0.050
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	<0.050	0.250	<b>0.233</b>	mg/L	93	75-125			0.050
Matrix Spike Duplicate	<0.050	0.250	<b>0.231</b>	mg/L	92	75-125	1	20	0.050

**Analyte: Mercury/USEPA-7470A**

QC Batch: 1102575 (7470A TCLP Digestion)						Analyzed: 04/06/2011 By: DSC			
Method Blank			<0.00020	mg/L					0.00020
Laboratory Control Sample		0.00200	<b>0.00197</b>	mg/L	99	80-120			0.00020
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	<0.00020	0.00200	<b>0.00196</b>	mg/L	98	80-120			0.00020
Matrix Spike Duplicate	<0.00020	0.00200	<b>0.00190</b>	mg/L	95	80-120	3	20	0.00020

**Analyte: Selenium/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<0.10	mg/L					0.10
Laboratory Control Sample		1.25	<b>1.28</b>	mg/L	102	80-120			0.10
<b>1104030-14 [Soil Composite 01]</b>									
Matrix Spike	<0.10	1.25	<b>1.16</b>	mg/L	92	75-125			0.10
Matrix Spike Duplicate	<0.10	1.25	<b>1.18</b>	mg/L	94	75-125	2	20	0.10

**Analyte: Silver/USEPA-6010C**

QC Batch: 1102552 (3010A TCLP Digestion)						Analyzed: 04/06/2011 By: JMF			
Method Blank			<b>0.012</b>	mg/L					0.010
*Laboratory Control Sample		0.250	<b>0.269</b>	mg/L	108	80-120			0.010
<b>1104030-14 [Soil Composite 01]</b>									
*Matrix Spike	0.00555	0.250	<b>0.256</b>	mg/L	100	75-125			0.010
*Matrix Spike Duplicate	0.00555	0.250	<b>0.255</b>	mg/L	100	75-125	0.4	20	0.010

**STATEMENT OF DATA QUALIFICATIONS****Physical/Chemical Parameters by EPA/APHA/ASTM Methods**

**Qualification:** Methods 1010/1020A were designed to be used as the flashpoint analysis method for liquid waste matrices. The sample result, alone, does not define the characteristic of ignitability on a solid waste matrix.

Analysis: USEPA-1020A

Sample/Analyte: 1104030-14 Soil Composite 01 Flashpoint, Closed-Cup

**Qualification:** Reactive Cyanide analysis was not performed since the corresponding Total Cyanide result is <250 mg/kg.

Analysis: USEPA-7.3.3.2

Sample/Analyte: 1104030-14 Soil Composite 01 Cyanide Reactivity



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. **138101**

Analyses Requested Pg. 1 of 3

For Lab Use Only  
Cell 13

VQA Rack/Tray 2001105 Serial # 239167610 (boxed)

Receipt Log No. 41-8

Project Client # 32

Work Order No. 1041030

Client Name RMT, INC

Address 3754 Rowland

City, State Zip Ann Arbor MI 48108

Phone/Fax 734 971 7080 / 734 971 6022 Contact/Report To Stacy. Metz @rmtinc.com, Metz

Email Stacy.Metz@rmtinc.com, Metz

Project Name TR Tecumseh

Client Project No. / P.O. No. 02751.18.001

Invoice To Client

Other (comments)

BTEX (8260)

Container Type (corresponds to Container Packing List)

- ← PRESERVATIVES
- A NONE pH-7
- B HNO<sub>3</sub> pH<2
- C H<sub>2</sub>SO<sub>4</sub> pH<2
- D 1+1 HCl pH<2
- E NaOH pH=12
- F ZnAc/NaOH pH>9
- G MeOH
- H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	Matrix			Total	Sample Comments
							C	A	B		
		01	B62 (1-2')	M244	4/1/11	0834	✓	✓	✓	X	
		02	B62 (3-4')			0839	✓	✓	✓	X	
		03	B58 (3-4')			0855	✓	✓	✓	X	
		04	B58 (6-7')			0903	✓	✓	✓	X	
		05	B59 (3-4')			0916	✓	✓	✓	X	
		06	B59 (6-7')			0923	✓	✓	✓	X	
		07	B60 (3-4')			0944	✓	✓	✓	X	
		08	B60 (6-7')			0954	✓	✓	✓	X	
		09	B61 (3-4')			1005	✓	✓	✓	X	
		10	B61 (6-7')			1009	✓	✓	✓	X	

Sampled By (print) JOHN BROWN

Sampler's Signature [Signature]

Company RMT INC

How Shipped? Fedex

Tracking No. 8742 29014792 0215

1 Received by [Signature] Date 4/1/11 Time 1655

2 Received by [Signature] Date 4/2/11 Time 0845

Comments 1st Mt

1st Mt

WHITE COPY - REPORT

YELLOW COPY - LABORATORY

PINK COPY - FIELD





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.

**138102**

Analyses Requested

Pg. 2 of 3

← PRESERVATIVES

- A. NONE pH-7
- B. HNO<sub>3</sub> pH<2
- C. H<sub>2</sub>SO<sub>4</sub> pH<2
- D. +1 HCl pH<2
- E. NaOH pH>12
- F. ZnAc/NaOH pH>9
- G. MeOH
- H. Other (note below)

Container Type (corresponds to Container Packing List)

BTEX (8260)  
TCLP VOC (EHC)  
TCLP VOC  
TCLP Metals  
PH  
Flammability  
Reactivity

<b>For Lab Use Only</b> Cart: 13 Receipt Log No.: 239, 676 White Project Chemist: 41-8 Work Order No.: 1104030		Client Name: RMT INC Address: 3754 Randers City, State Zip: Ann Arbor, MI 48108 Phone/Fax: 734 971 7080 Email: steeg.wetz@rmtinc.com		Project Name: TRC Teunissen Client Project No. / P.O. No.: 02951.18.021 Invoice To: <input checked="" type="checkbox"/> Client Other (comments):									
Schedule Matrix Code Sample Number 07 05 06	11 12 13 14 15 16 17 18 19 20	Field Sample ID B-63 (3-4) B-63 (6-7) DUP-01 Soil Composite 01 B-59 (7-12') B-60 (7-12') B-61 (7-12') B-62 (7-12') B-63 (7-12') B-64 (7-12')	Cooler ID TM2044 4/1/11	Sample Date 10/21 10/24 — 10/25 13/6 13/29 13/29 10/48 14/11 14/42	Sample Time 10:21 10:24 — 10:25 13:06 13:29 13:29 10:48 14:11 14:42	Matrix VSX VSX VSX VS VWX VWX VWX VWX VWX VWX	Number of Containers Submitted 1 1 1 1 1 1 1 1 1 1	Total 1 1 1 1 1 1 1 1 1 1	Sample Comments 2-8oz jars				
										How Shipped? Hand: <u>Fedex</u> Tracking No.: 8792 2901 4792 0215 Date: 4/1/11 Time: 10:55		2. Requisitioned By: _____ Date: _____ Time: _____ 3. Requisitioned By: _____ Date: _____ Time: _____	
										Sampled By (print): JOHN B. WETZ Sampled By Signature: <i>[Signature]</i> Company: RMT INC		2. Received By: _____ Date: _____ Time: _____ 3. Received By: _____ Date: _____ Time: _____	



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. **138103**

Analyses Requested Pg. 3 of 3

← PRESERVATIVES  
A NONE pH<7  
B HNO<sub>3</sub> pH<2  
C H<sub>2</sub>SO<sub>4</sub> pH<2  
D 1+1 HCl pH<2  
E NaOH pH>12  
F ZnAc<sub>2</sub>/NaOH pH>9  
G MeOH  
H Other (note below)

For Lab Use Only  
Cart

VOA Rack/Tray

Receipt Log No.

Project Chemist

Work Order No.

Schedule

Matrix Code

Sample Number

Client Name

Address

City, State, Zip

Phone/fax

Email

Project Name

Client Project No. / P.O. No.

Invoice To

Contact/Report To

Field Sample ID

Cooler ID

Sample Date

Sample Time

Matrix

Number of Containers Submitted

Sample Comments

How Shipped? Hand Carrier FedEx

Tracking No.

Requested By

Received By

2. Requisitioned By

2. Received By

3. Requisitioned By

3. Received By

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

Date

Time

BTEX (8260)

1 wk NAT

8/2 4/2/11

Sample Number	Matrix Code	Field Sample ID	Cooler ID	Sample Date	Sample Time	Matrix	Number of Containers Submitted	Sample Comments
21	OK	B-65 (7-12)	TW224	4/1/11	1430	X W		
22		B-64 (7-12)			1524	X W		
23		B-67 (7-12)			1544	X W		
24		DUP 01 (WATER)			—	X W		
25		B-58 (7-12)			1103	X W		
26	OK	TRIP Blank (TB-01)				X W		

Sampled By: *[Signature]*  
Company: *RMT, INC*

How Shipped? Hand Carrier FedEx  
Tracking No. *8342 29014792*  
Requested By: *[Signature]*  
Received By: *[Signature]*  
Date: *4/1/11*

2. Requisitioned By: *[Signature]*  
2. Received By: *[Signature]*  
3. Requisitioned By: *[Signature]*  
3. Received By: *[Signature]*  
Date: *4/2/11*

WHITE COPY - REPORT

YELLOW COPY - LABORATORY

PINK COPY - FIELD

# SAMPLE RECEIVING / LOG-IN CHECKLIST



Client <b>RMT Inc</b>	Work Order #: <b>1104030</b>
Receipt Record Page/Line # <b>41-8</b>	New / Add To <b>SVR</b>
Project Chemist <b>SVR</b>	Sample #s <b>01-26</b>

Recorded by (Initials/date) <b>LC 4/2/11</b>	<input checked="" type="checkbox"/> Cooler <input type="checkbox"/> Box <input type="checkbox"/> Other _____	Qty Received <b>1</b>	<input checked="" type="checkbox"/> IR Gun (#202) <input type="checkbox"/> Digital Thermometer (#54) <input type="checkbox"/> Other (# _____)	<input type="checkbox"/> Thermometer Used <input type="checkbox"/> See Additional Cooler Information Form
---	--	--------------------------	---	--

Cooler #	Time	Cooler #	Time	Cooler #	Time	Cooler #	Time
<b>2644</b>	<b>1314</b>						
Custody Seals: <input checked="" type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact		Custody Seals: <input type="checkbox"/> None <input type="checkbox"/> Present / Intact <input type="checkbox"/> Present / Not Intact	
Coolant Location: Dispersed / <input checked="" type="radio"/> Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom		Coolant Location: Dispersed / Top / Middle / Bottom	
Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input checked="" type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers		Coolant/Temperature Taken Via: <input type="checkbox"/> Loose Ice / Avg 2-3 containers <input type="checkbox"/> Bagged Ice / Avg 2-3 containers <input type="checkbox"/> Blue Ice / Avg 2-3 containers <input checked="" type="checkbox"/> None / Avg 2-3 containers	
Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container		Alternate Temperature Taken Via: <input type="checkbox"/> Temperature Blank (TB) <input type="checkbox"/> 1 Container	
Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C	Actual °C	Recorded °C	Correction Factor °C
Temp Blank:			Temp Blank:			Temp Blank:	
TB location: Representative / Not Representative		TB location: Representative / Not Representative		TB location: Representative / Not Representative		TB location: Representative / Not Representative	
1	<b>8.7</b>	<b>8.7</b>	1			1	
2	<b>6.8</b>	<b>6.8</b>	2			2	
3	<b>8.9</b>	<b>8.7</b>	3			3	
Average °C		Average °C		Average °C		Average °C	
<input checked="" type="checkbox"/> Cooler ID on COC? <input checked="" type="checkbox"/> VOC Trip Blank received?		<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?		<input type="checkbox"/> Cooler ID on COC? <input type="checkbox"/> VOC Trip Blank received?	

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

**Paperwork Received**  No COC Received

N/A	Yes	No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Chain of Custody record(s)?  
If No, COC Initiated By \_\_\_\_\_

Rec'd for Lab Signed/Date/Time?  
 Shipping document?  
 Other \_\_\_\_\_

COC ID #s

TriMatrix **138101, 138102, 138103**

Other (Name or ID#) \_\_\_\_\_

**Check COC for Accuracy**  No analysis requested

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>

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
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Average sample temperature  $\leq 6^\circ\text{C}$ ?  
 Completed Sample Preservation Verification Form?  
 Samples preserved correctly?  
 If "No", added orange tag?  
 Received pre-preserved VOC soils?  
 MeOH  Na<sub>2</sub>SO<sub>4</sub>

**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) <b>4/2/11 0845</b>	Paperwork Delivered (Date/Time) <b>4/2/11 1350</b>	≤1 Hour Goal Met? <b>Yes / No</b>
---	---	--------------------------------------



### SAMPLE RECEIVING NON-CONFORMANCE REPORT

Client: RMT Inc  
 Receipt Log #: 41-8  
 Completed By (initials/date): UC 4/2/11  
 Work Order #: 1104030  
 Project Chemist: QR

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	Headpace	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	
138101	1	✓									B-62 (1-2)	4/1/11	1103	16	1	B-62 (0-2)				16	1	★
138103	5										B-58 (7-12)				3							
138103											TRIP Blank											

General Comments:  
 ★ keep COC ID 1-2' (see J, 15)

MH 4-4-11

Project Chemist (initials/date)